

Report No.:

Test Time: 2020-10-29 16:33

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm):

Luminous Height (mm):

Current: 0.323 A

Power Factor: 0.993

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm):

Voltage: 120.0 V

Power: 38.56 W

Photometric Results

IES Classification: Type IV

Total Rated Lamp Lumens: 5471.0 lm

Efficiency: 100%

Upward Ratio: 2%

C0r0 Intensity: 953.16 cd

Pos of Max. Intensity: H180 V50

Longitudinal Classification: Short

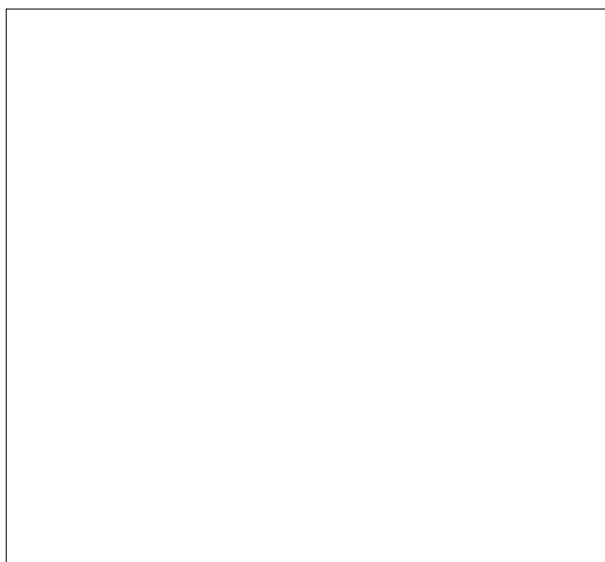
Measurement Flux: 5471 lm

Downward Ratio: 98%

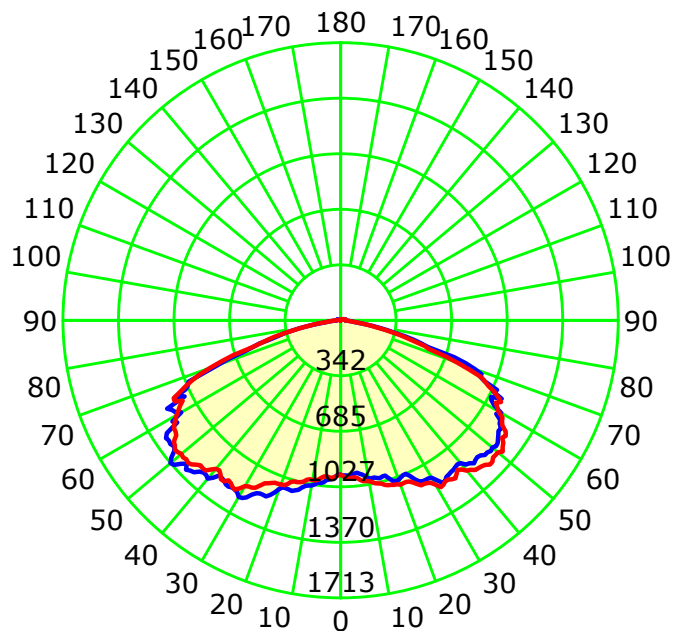
Luminaire Efficacy Rating (LER): 141.93

Max. Intensity: 1370.57 cd

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 143.7°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.6 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

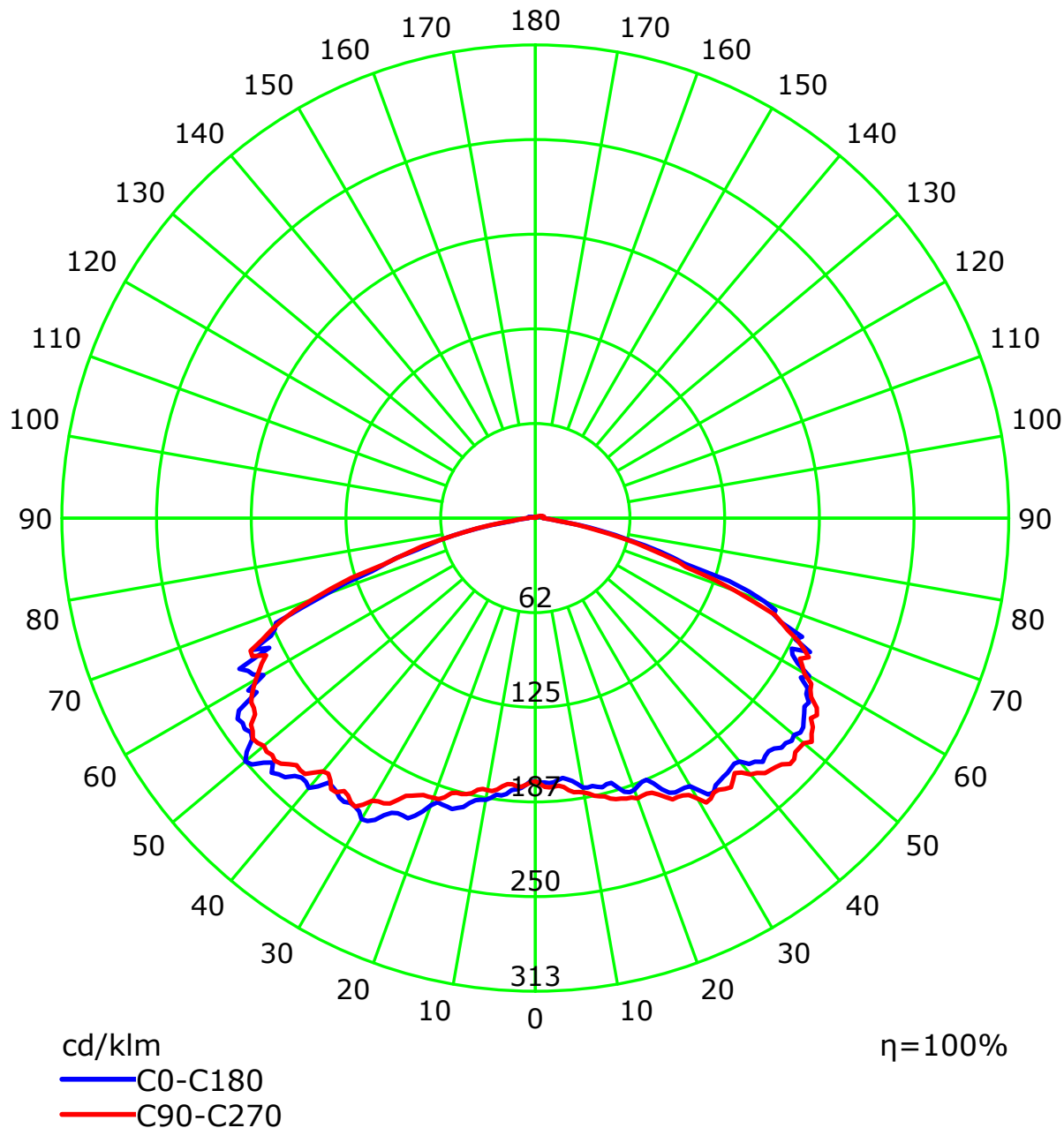
Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

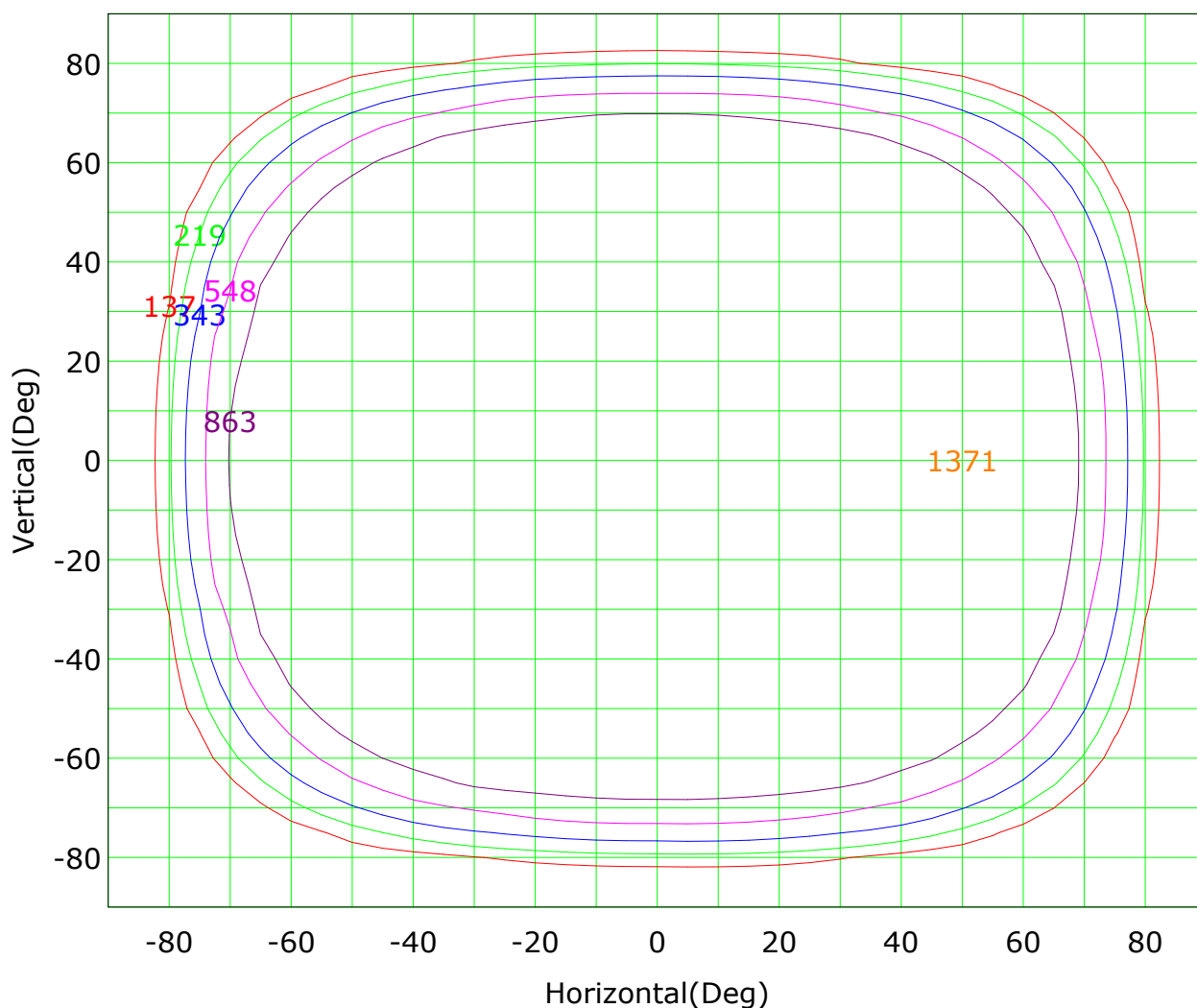
Luminous Intensity Distribution Curve(cd / klm)



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:

Isocandela (rectangle)



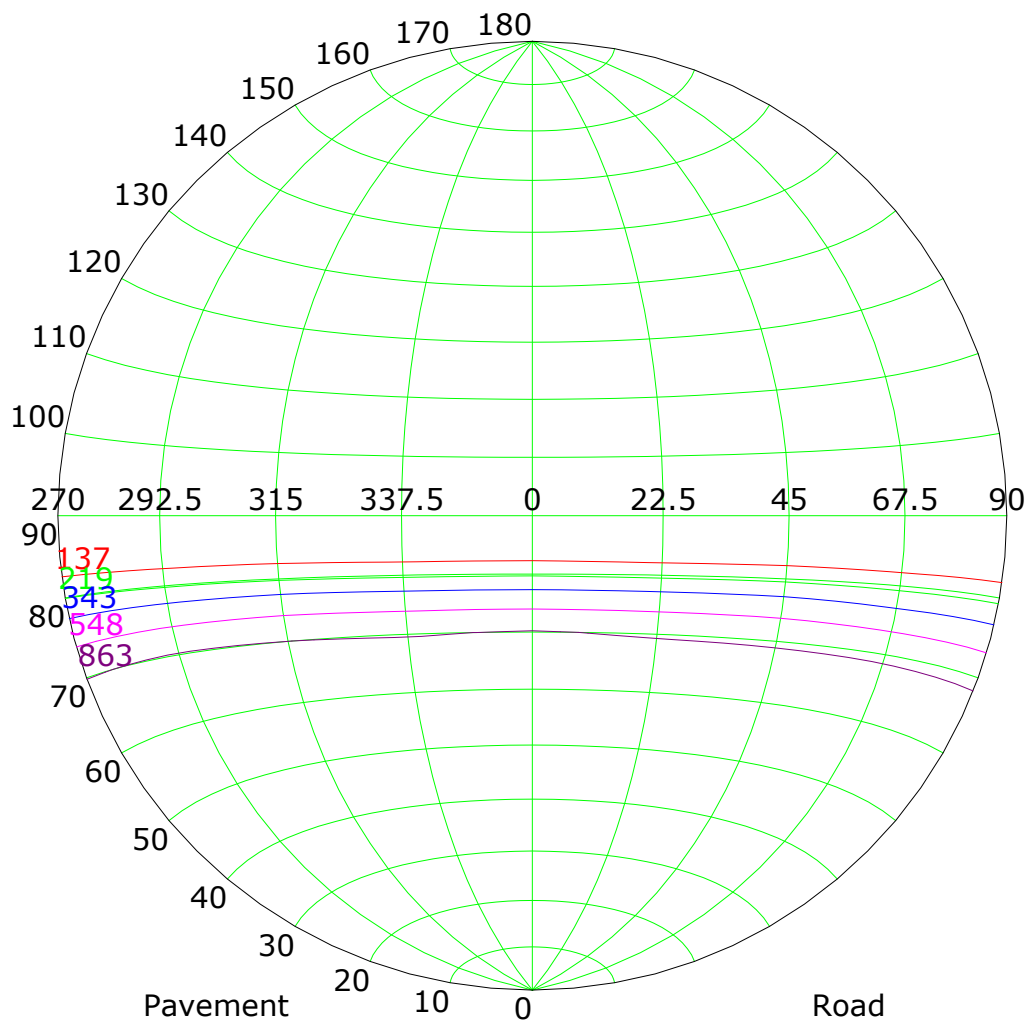
Imax (100%): 1371 cd

(10%): 137 cd	(16%): 219 cd
(25%): 343 cd	(40%): 548 cd
(63%): 863 cd	(100%): 1371 cd

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:

Isocandela (sphere)



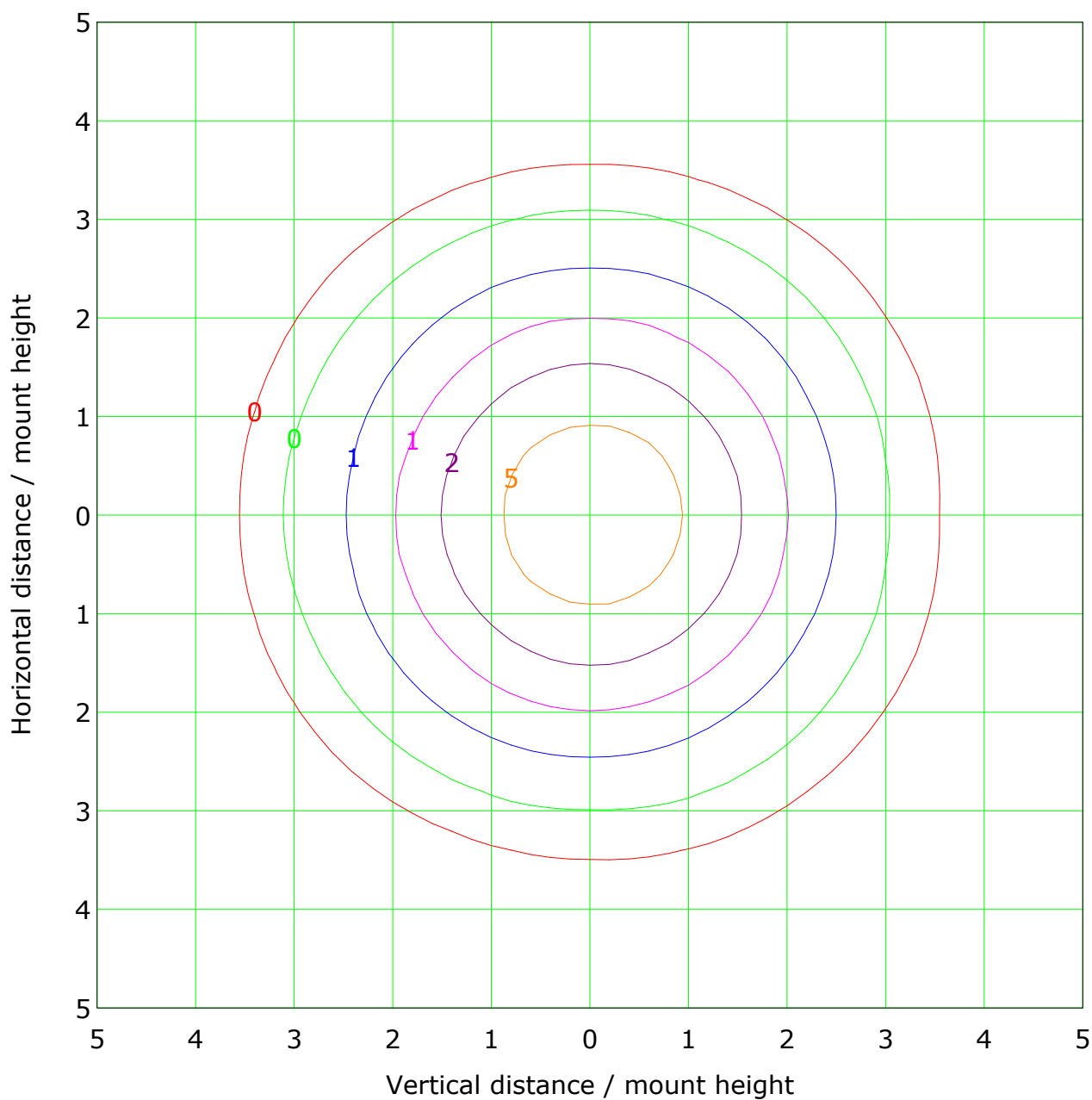
Imax (100%): 1371 cd

(10%): 137 cd	(16%): 219 cd
(25%): 343 cd	(40%): 548 cd
(63%): 863 cd	(100%): 1371 cd

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 10.0 lx

(1%): 0.1 lx	(2%): 0.2 lx
(5%): 0.5 lx	(10%): 1.0 lx
(20%): 2.0 lx	(50%): 5.0 lx
(100%): 10.0 lx	

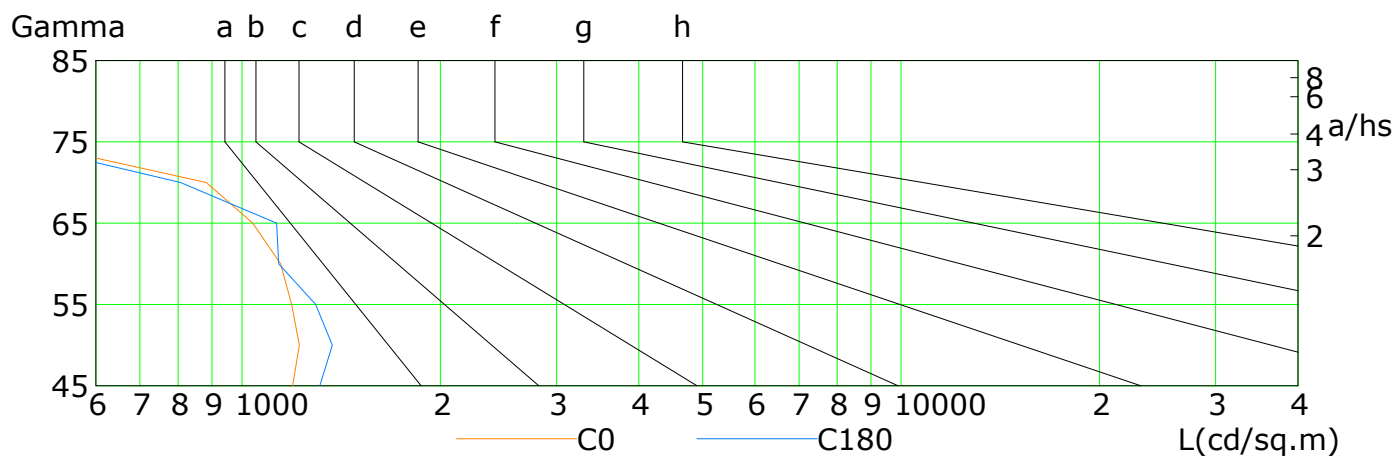
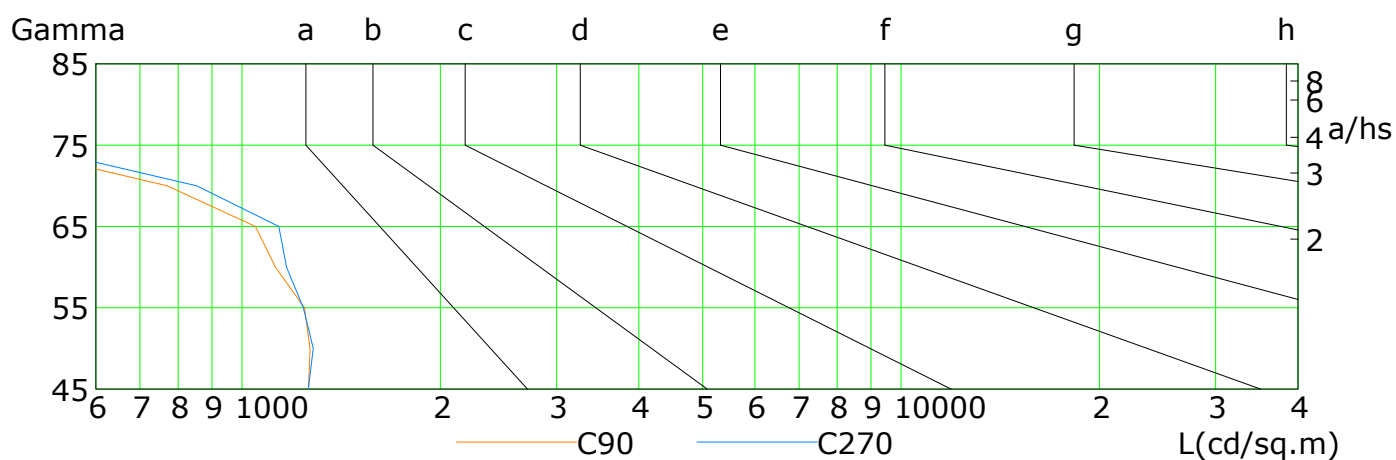
C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1194	1222	1189	1144	1038	883	465	202	60
C90	1261	1268	1244	1124	1048	770	422	186	56
C180	1312	1371	1293	1136	1128	807	443	207	58
C270	1260	1283	1239	1168	1137	853	465	216	63

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

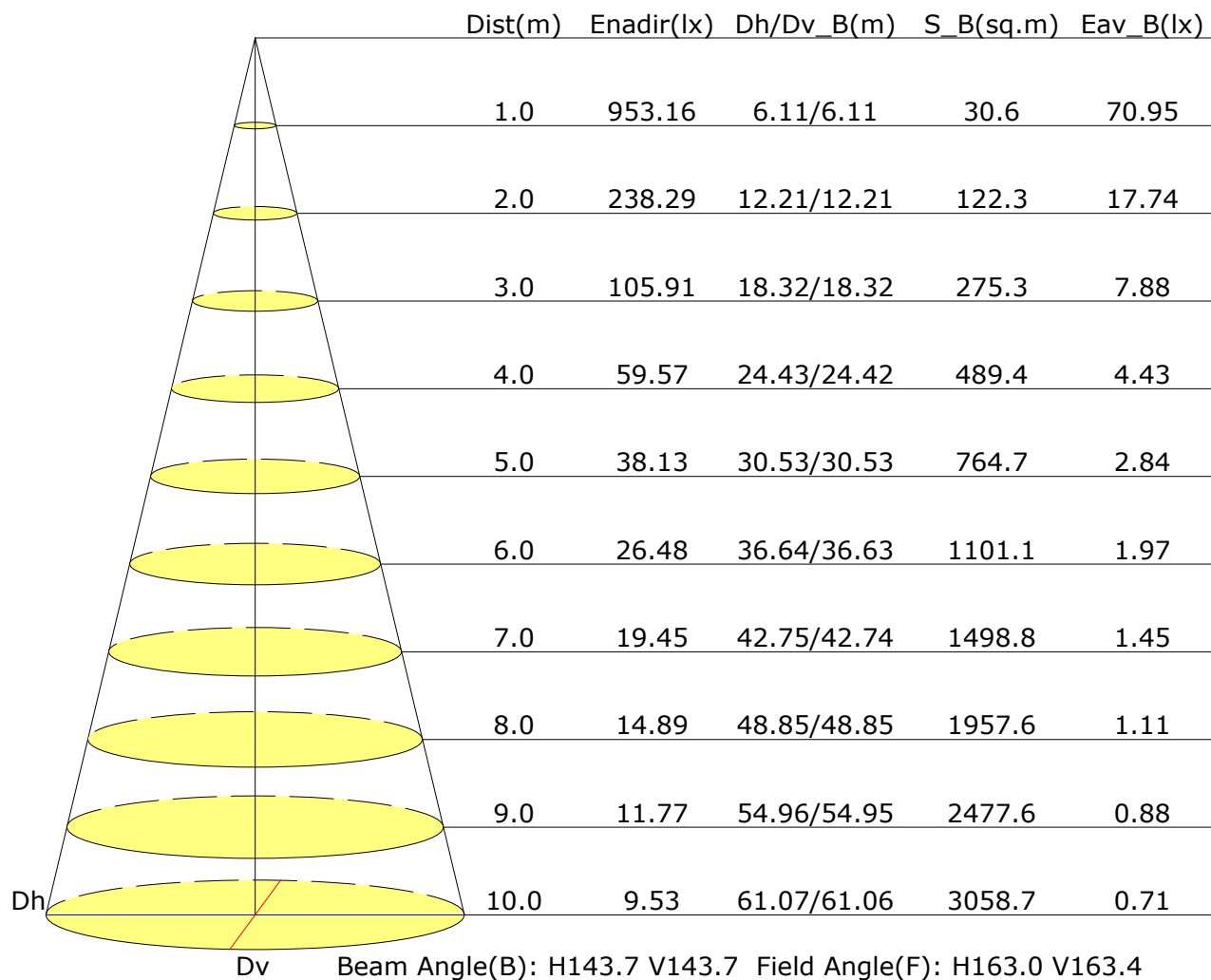
Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

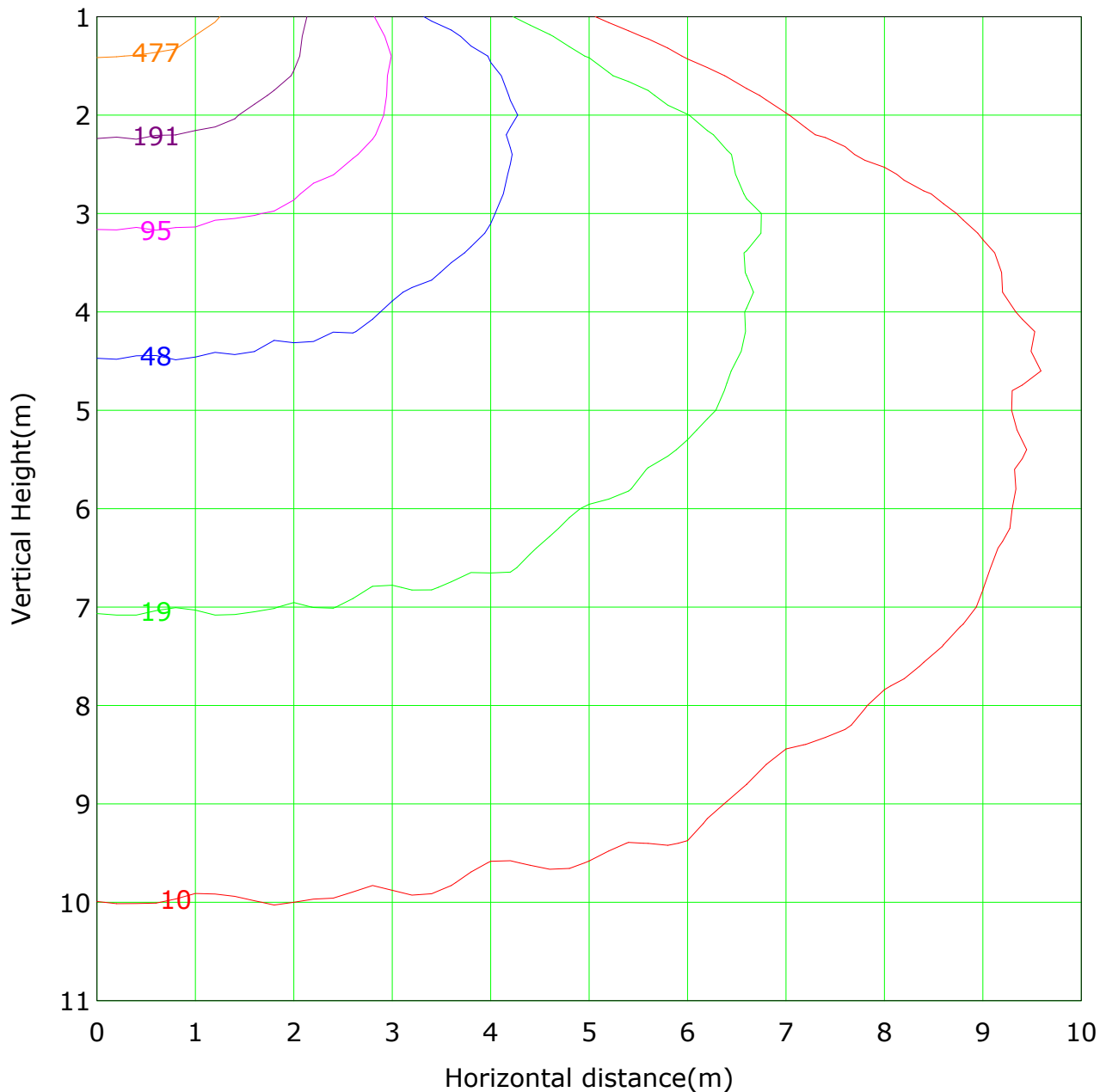
Illuminance at a Distance



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:

Vertical IsoLux Plot



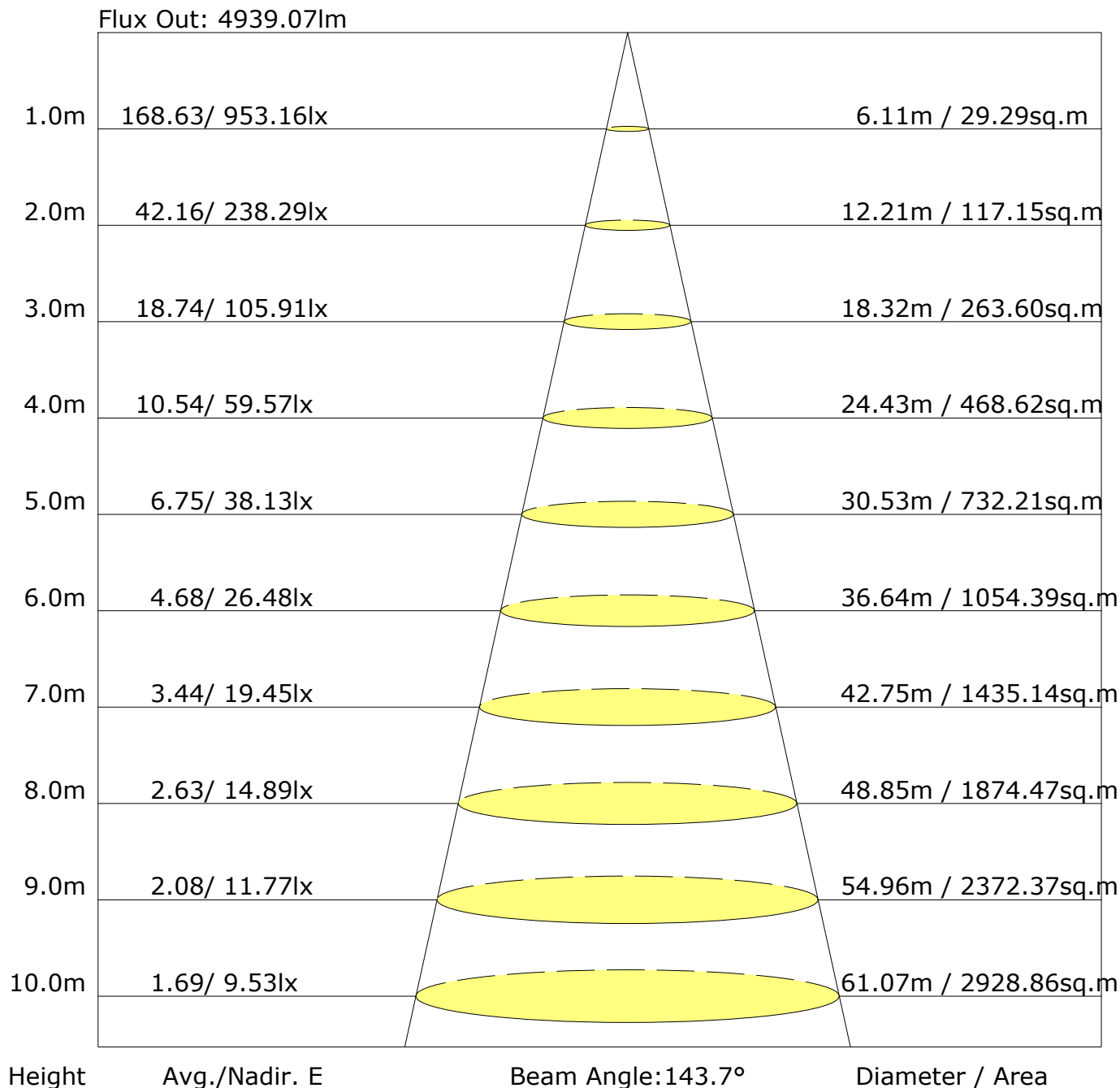
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 954.8 lx

— (1%): 9.5 lx	— (2%): 19.1 lx
— (5%): 47.7 lx	— (10%): 95.5 lx
— (20%): 191.0 lx	— (50%): 477.4 lx
— (100%): 954.8 lx	

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:

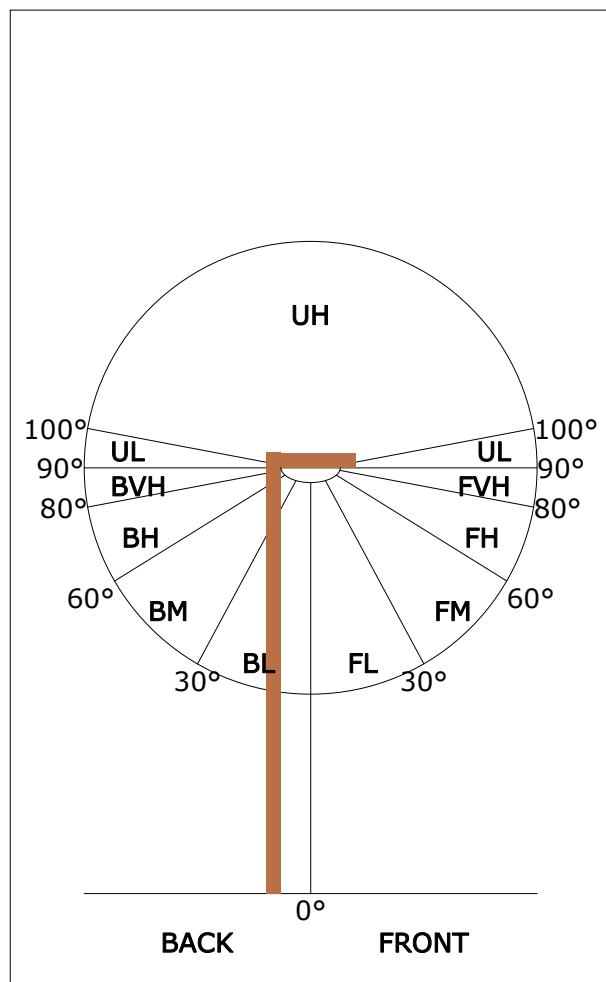
The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 22.5
 Test Lab:
 Test Type: TYPE C
 Temperature: 25.6 °C
 Operator:

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-3000
 Distance: 14.040 m [K=1.0000]
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	2671	48.8
FL (0°-30°)	457	8.4
FM (30°-60°)	1412	25.8
FH (60°-80°)	761	13.9
FVH (80°-90°)	41	0.8
BACK LIGHT	2715	49.6
BL (0°-30°)	459	8.4
BM (30°-60°)	1424	26.0
BH (60°-80°)	789	14.4
BVH (80°-90°)	43	0.8
UP LIGHT	86	1.6
UL (90°-100°)	29	0.5
UH (100°-180°)	57	1.0
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-11	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U3 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U3 G1

C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature: 25.6 'C
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-3000
Distance: 14.040 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G0.0	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2	953.2
G1.0	957.8	957.1	961.2	964.8	962.3	962.2	957.2	952.9	952.1	951.1
G2.0	957.8	964.6	976.9	978.5	973.7	975.0	967.6	962.3	966.0	961.3
G3.0	960.8	975.5	987.0	983.4	976.5	983.0	980.4	976.2	978.5	972.4
G4.0	958.8	974.6	982.2	979.3	974.4	979.2	984.1	990.3	984.7	980.0
G5.0	951.4	974.9	972.3	974.8	972.4	978.4	987.6	1006.1	988.7	996.3
G6.0	945.9	974.8	967.9	976.8	978.7	985.0	988.9	1013.5	1004.3	1009.7
G7.0	953.1	975.1	969.7	989.2	992.4	996.5	995.4	1018.4	1011.8	1020.5
G8.0	961.6	977.0	969.4	1005.0	1002.2	1010.2	1005.8	1028.8	1010.8	1033.3
G9.0	974.5	983.2	975.7	1006.8	1004.5	1021.1	1022.1	1027.7	1025.2	1036.1
G10.0	990.6	993.7	988.7	1008.6	1008.6	1024.0	1035.5	1030.8	1035.7	1039.6
G11.0	993.6	1002.0	1001.1	1018.9	1016.3	1030.1	1045.9	1035.0	1038.4	1047.9
G12.0	991.5	1006.2	1013.3	1020.8	1027.8	1039.0	1056.3	1039.8	1044.4	1049.7
G13.0	998.6	1008.1	1017.8	1022.3	1033.5	1048.1	1058.6	1049.0	1058.3	1053.1
G14.0	1004.1	1009.9	1032.3	1030.2	1038.6	1054.2	1052.3	1053.6	1078.3	1061.6
G15.0	997.2	1011.7	1041.3	1037.4	1051.0	1058.5	1052.0	1072.1	1086.2	1073.5
G16.0	997.4	1013.6	1036.5	1038.6	1058.5	1070.2	1069.6	1085.6	1095.9	1087.6
G17.0	1019.9	1018.8	1036.4	1032.0	1061.8	1085.6	1082.6	1092.0	1092.4	1099.6
G18.0	1041.8	1027.2	1048.2	1040.4	1067.8	1096.8	1090.9	1099.3	1090.7	1097.5
G19.0	1049.6	1052.0	1065.6	1062.7	1070.1	1096.1	1105.2	1105.0	1087.9	1107.9
G20.0	1047.6	1069.6	1056.4	1076.8	1080.0	1103.2	1129.2	1109.2	1106.6	1122.3
G21.0	1037.8	1071.7	1046.4	1072.6	1077.4	1116.0	1144.5	1107.7	1137.5	1125.1
G22.0	1030.0	1073.2	1053.3	1066.8	1075.9	1118.2	1146.1	1125.9	1161.9	1140.7
G23.0	1029.4	1061.9	1073.3	1075.4	1080.5	1110.1	1133.8	1158.4	1180.7	1174.2
G24.0	1051.0	1046.3	1083.8	1090.2	1095.0	1107.0	1133.9	1172.0	1178.4	1186.4
G25.0	1082.9	1050.1	1098.3	1090.5	1114.0	1122.8	1159.2	1186.1	1179.1	1199.8
G26.0	1106.3	1074.9	1111.8	1089.8	1133.0	1142.7	1171.7	1183.5	1186.9	1201.3
G27.0	1114.8	1105.3	1119.2	1109.9	1133.6	1156.9	1173.1	1180.8	1207.4	1192.8
G28.0	1115.2	1127.0	1129.6	1139.2	1137.5	1164.0	1191.8	1192.7	1237.2	1202.6
G29.0	1115.9	1137.0	1119.7	1148.8	1146.3	1178.6	1209.9	1202.0	1253.7	1212.1
G30.0	1120.9	1144.1	1109.7	1146.0	1171.6	1199.0	1215.3	1225.4	1258.5	1233.9
G31.0	1149.8	1144.8	1131.2	1143.4	1201.4	1207.2	1215.6	1242.3	1238.5	1255.1
G32.0	1179.9	1134.8	1140.5	1168.7	1198.1	1200.4	1206.3	1237.6	1232.0	1263.3
G33.0	1184.7	1152.5	1142.3	1197.7	1185.3	1220.2	1224.3	1233.5	1229.5	1258.1
G34.0	1166.7	1175.2	1152.2	1196.1	1186.3	1240.3	1237.7	1220.3	1238.7	1240.1
G35.0	1162.4	1188.7	1177.9	1180.9	1197.3	1224.0	1234.9	1214.4	1235.9	1222.9
G36.0	1157.7	1186.0	1189.8	1179.2	1204.8	1203.5	1238.2	1229.9	1224.6	1238.6

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G37.0	1155.3	1177.3	1186.2	1186.1	1188.7	1207.8	1255.5	1236.4	1218.8	1252.0
G38.0	1149.5	1171.3	1193.3	1193.3	1171.8	1220.9	1244.2	1231.6	1215.2	1246.6
G39.0	1143.9	1170.2	1194.3	1199.2	1185.4	1240.7	1251.2	1227.5	1249.9	1235.4
G40.0	1150.5	1173.8	1201.3	1194.1	1211.6	1235.3	1260.2	1234.9	1275.5	1238.4
G41.0	1179.1	1189.5	1219.9	1188.5	1222.5	1250.1	1273.3	1261.3	1265.6	1270.1
G42.0	1187.1	1206.7	1225.6	1216.6	1242.5	1243.1	1287.4	1273.8	1264.3	1280.6
G43.0	1206.8	1205.3	1241.9	1231.2	1247.4	1274.0	1307.6	1290.1	1276.8	1309.7
G44.0	1197.4	1214.3	1248.1	1248.8	1252.8	1294.5	1309.5	1302.2	1303.9	1300.4
G45.0	1193.6	1224.8	1254.7	1265.6	1261.0	1304.9	1310.6	1303.7	1312.5	1319.2
G46.0	1200.9	1241.7	1257.4	1265.1	1281.2	1308.7	1323.9	1312.6	1327.2	1305.6
G47.0	1218.7	1248.9	1261.4	1267.6	1280.7	1312.4	1318.2	1326.5	1297.8	1329.5
G48.0	1218.2	1231.3	1260.1	1272.1	1265.8	1314.7	1325.7	1340.8	1323.5	1329.7
G49.0	1229.2	1224.8	1256.6	1271.3	1266.7	1303.6	1314.4	1342.2	1359.5	1350.6
G50.0	1221.7	1227.8	1249.6	1268.9	1268.0	1291.9	1303.7	1321.1	1370.6	1313.7
G51.0	1234.0	1216.1	1226.8	1233.0	1286.9	1272.3	1290.1	1318.1	1344.2	1320.7
G52.0	1230.1	1205.6	1219.6	1222.4	1268.7	1260.4	1286.4	1318.0	1300.4	1305.1
G53.0	1215.7	1198.5	1199.3	1221.0	1257.2	1261.9	1267.1	1303.2	1288.6	1307.0
G54.0	1202.5	1204.2	1193.0	1216.3	1232.2	1258.6	1259.7	1287.5	1299.7	1269.8
G55.0	1189.1	1190.5	1182.1	1204.5	1243.9	1247.4	1235.6	1270.3	1293.5	1281.0
G56.0	1194.0	1163.3	1141.4	1190.8	1228.4	1222.7	1225.6	1255.4	1300.1	1243.7
G57.0	1169.5	1159.5	1136.8	1179.5	1190.0	1205.4	1211.8	1241.7	1279.4	1242.1
G58.0	1161.5	1146.3	1129.4	1169.5	1174.1	1185.1	1196.4	1219.4	1189.2	1212.5
G59.0	1120.5	1136.4	1106.1	1146.5	1165.0	1163.7	1182.0	1174.7	1211.9	1187.7
G60.0	1144.0	1099.5	1111.2	1117.1	1124.2	1129.4	1173.5	1153.5	1136.5	1148.4
G61.0	1085.8	1092.8	1078.0	1112.1	1104.9	1128.6	1169.4	1149.8	1168.0	1154.0
G62.0	1053.7	1067.8	1087.4	1098.5	1084.5	1118.4	1154.3	1141.2	1177.9	1140.1
G63.0	1041.6	1074.7	1076.3	1099.1	1110.5	1105.1	1121.7	1144.4	1202.4	1134.3
G64.0	1106.0	1063.7	1081.7	1094.7	1081.5	1088.5	1114.8	1123.8	1071.6	1143.3
G65.0	1038.2	1056.2	1056.0	1051.9	1048.0	1065.0	1104.5	1083.9	1128.2	1091.4
G66.0	1056.5	1015.8	1046.2	1017.5	1000.6	1039.1	1066.2	1051.8	1046.6	1090.5
G67.0	966.7	984.0	998.4	982.3	966.8	989.8	1020.9	1027.1	1023.6	1034.3
G68.0	929.5	949.0	962.4	943.3	934.9	949.7	948.9	963.5	1013.1	986.9
G69.0	930.8	904.3	880.8	885.8	850.7	885.1	897.6	919.0	904.0	947.7
G70.0	882.7	830.3	812.3	795.8	769.6	804.1	841.3	859.6	806.6	876.1
G71.0	818.0	761.6	738.2	698.7	684.1	719.0	752.0	767.7	732.8	786.2
G72.0	737.0	679.2	652.3	601.8	572.8	640.7	673.4	666.2	622.6	676.2
G73.0	564.7	579.3	583.8	543.8	542.7	581.2	592.8	592.0	568.0	596.4

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G74.0	517.2	521.9	523.5	485.2	476.7	518.2	533.0	546.1	521.0	557.5
G75.0	465.3	460.2	457.2	426.7	422.2	450.5	482.3	484.9	443.3	497.5
G76.0	408.0	400.1	394.4	372.6	377.7	394.1	421.3	420.6	392.8	434.8
G77.0	337.1	346.0	343.3	321.8	321.8	341.2	362.6	367.8	357.0	374.2
G78.0	296.2	291.0	288.1	274.2	273.3	293.7	313.6	317.5	302.5	321.3
G79.0	244.5	237.6	240.4	228.1	222.9	240.1	261.4	261.5	258.3	265.3
G80.0	202.5	193.0	193.6	185.0	185.6	202.3	213.0	215.5	207.1	214.5
G81.0	158.5	150.3	150.7	143.6	148.7	155.4	166.0	171.0	161.8	169.7
G82.0	114.6	106.5	109.4	106.2	106.4	113.0	119.5	123.9	110.7	123.9
G83.0	84.0	83.4	88.6	84.2	80.5	83.1	86.7	85.5	80.0	87.2
G84.0	73.4	70.9	72.7	69.4	66.6	69.5	72.5	72.1	70.0	70.7
G85.0	60.1	57.8	59.7	57.3	56.2	59.2	61.2	58.8	58.4	55.6
G86.0	49.5	47.9	50.4	47.4	47.7	48.9	50.9	49.0	47.5	46.1
G87.0	42.1	41.0	41.6	39.8	40.8	42.2	43.4	41.8	40.0	39.6
G88.0	36.9	36.9	37.1	36.3	36.3	37.4	37.7	37.2	34.3	34.7
G89.0	36.1	35.0	33.7	31.4	31.5	33.5	34.6	34.9	32.0	32.4
G90.0	29.9	29.4	29.8	28.1	28.1	28.7	28.9	28.5	26.0	26.9
G91.0	28.9	29.1	29.5	27.4	27.7	27.8	28.3	26.9	24.8	24.9
G92.0	27.6	28.4	28.6	27.3	27.0	26.9	28.5	26.8	24.7	24.5
G93.0	27.2	27.6	28.6	27.1	26.6	27.3	28.4	26.5	24.4	24.2
G94.0	27.9	29.0	29.2	28.2	27.7	28.5	28.5	27.6	24.8	24.7
G95.0	27.6	28.0	27.8	27.8	27.3	27.4	27.2	27.0	24.3	24.7
G96.0	26.1	26.7	28.3	26.2	26.2	26.4	26.7	25.5	22.5	22.6
G97.0	26.4	28.5	29.0	27.3	26.6	27.2	27.5	25.4	23.2	23.4
G98.0	27.2	28.3	28.6	28.3	27.7	27.7	27.3	26.5	23.5	23.9
G99.0	27.9	28.9	29.0	29.1	28.7	29.2	28.1	26.8	24.0	24.6
G100.0	29.5	29.5	29.4	30.1	30.1	29.9	28.3	27.2	24.4	24.5
G101.0	30.3	27.4	30.2	30.8	32.0	30.7	28.4	27.3	24.8	24.2
G102.0	26.3	26.1	32.0	28.8	30.1	28.5	29.6	25.9	22.4	23.2
G103.0	25.4	25.3	29.9	27.6	27.2	27.4	30.4	25.6	21.4	22.4
G104.0	25.4	25.0	26.9	26.3	26.9	26.5	26.6	24.4	20.6	21.8
G105.0	24.1	23.9	25.5	25.7	25.8	25.4	24.7	22.8	18.8	19.7
G106.0	22.5	22.0	23.3	23.7	24.0	23.4	23.4	21.4	17.0	18.6
G107.0	21.4	21.0	22.3	22.5	22.9	21.7	21.9	20.2	16.5	17.2
G108.0	20.9	20.1	22.1	22.2	22.5	21.6	21.8	20.1	16.2	17.2
G109.0	20.2	18.5	20.2	21.2	21.9	21.0	20.0	19.2	15.3	16.3
G110.0	18.6	16.9	19.0	20.9	21.5	19.7	18.7	18.0	15.0	15.5

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G111.0	17.7	16.7	18.9	20.8	21.4	20.3	18.3	17.2	13.0	14.9
G112.0	14.2	16.6	19.0	21.3	22.1	20.4	18.1	17.7	10.9	14.7
G113.0	12.2	15.5	17.6	20.2	21.6	19.4	17.2	16.8	9.8	14.7
G114.0	10.1	14.6	16.8	18.4	20.4	18.5	16.4	14.9	9.0	12.8
G115.0	9.5	13.9	16.3	17.7	19.3	17.5	15.1	14.0	8.6	12.0
G116.0	9.1	12.7	16.0	16.7	18.4	16.2	14.7	13.2	7.8	11.3
G117.0	8.1	12.9	16.1	16.5	18.0	16.1	14.2	12.5	7.6	10.1
G118.0	8.1	12.5	16.0	15.7	17.6	15.8	13.6	12.7	7.2	9.5
G119.0	7.5	11.8	15.9	15.4	16.6	15.5	13.3	12.0	6.3	9.3
G120.0	7.2	12.5	15.2	14.7	15.3	14.5	13.2	11.4	6.3	8.2
G121.0	6.7	11.3	15.2	13.7	14.3	13.3	12.6	10.8	5.3	7.1
G122.0	6.3	10.9	15.1	12.9	13.6	12.4	12.7	9.3	5.1	6.9
G123.0	5.1	10.5	15.2	12.7	12.4	12.5	13.2	9.5	4.3	6.2
G124.0	5.8	9.3	14.1	12.0	11.8	12.0	13.3	9.0	4.4	5.9
G125.0	5.3	9.5	13.9	11.2	10.8	11.2	12.8	8.5	3.4	5.5
G126.0	5.6	9.1	13.9	10.7	10.6	11.4	12.8	7.9	3.6	5.5
G127.0	5.1	9.5	14.2	9.9	8.8	10.5	12.7	7.8	4.0	5.3
G128.0	5.1	8.9	13.0	9.5	7.0	9.6	12.5	8.3	3.6	5.1
G129.0	5.0	8.2	11.5	8.5	6.6	9.6	11.5	8.3	3.4	5.2
G130.0	5.1	7.5	10.6	8.3	6.4	8.6	10.4	7.6	3.3	4.6
G131.0	4.5	7.8	9.6	7.5	6.2	8.1	10.1	7.1	3.6	4.5
G132.0	5.0	7.3	9.4	7.6	5.4	7.7	9.4	7.1	3.4	2.9
G133.0	4.7	7.3	9.3	6.9	5.9	7.6	9.0	6.7	3.4	4.4
G134.0	4.0	6.7	9.3	6.9	5.3	7.5	8.9	7.1	3.6	3.7
G135.0	4.2	6.5	8.5	7.0	5.8	7.3	9.4	6.2	3.7	3.7
G136.0	4.2	5.2	8.8	6.7	5.3	7.3	8.9	6.2	2.3	3.5
G137.0	4.2	6.0	9.0	7.0	5.5	7.5	9.1	6.7	3.4	4.1
G138.0	4.3	6.0	8.8	6.8	5.5	7.5	9.1	6.4	2.5	3.4
G139.0	3.8	5.9	9.1	6.3	5.3	7.7	9.0	6.4	3.0	4.0
G140.0	3.9	4.8	8.7	6.7	5.1	7.9	8.7	6.3	3.3	3.8
G141.0	3.8	5.8	7.8	5.8	5.1	6.7	8.3	5.9	2.8	3.3
G142.0	3.6	4.9	7.1	5.5	4.6	6.2	7.5	5.4	2.6	3.6
G143.0	3.5	4.9	5.8	4.7	4.7	5.9	6.4	4.9	2.9	3.5
G144.0	3.5	4.1	5.3	4.3	3.9	5.4	5.9	4.9	2.9	3.4
G145.0	3.1	4.3	5.1	4.8	4.3	5.1	5.2	3.8	2.8	3.1
G146.0	3.4	4.4	4.9	4.7	4.3	4.6	5.5	3.9	3.3	3.0
G147.0	2.0	4.3	4.9	3.9	3.1	4.2	5.0	4.4	2.6	3.3

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C22.5	C45.0	C67.5	C90.0	C112.5	C135.0	C157.5	C180.0	C202.5
G148.0	3.5	4.0	4.5	4.3	3.9	4.6	5.4	3.9	2.6	3.3
G149.0	3.3	3.5	4.9	3.8	4.2	4.4	4.6	4.0	2.6	1.8
G150.0	3.2	4.0	4.2	3.9	4.5	4.5	4.8	4.5	3.1	3.5
G151.0	2.9	4.4	4.4	4.1	4.0	4.6	4.9	4.1	2.7	1.9
G152.0	3.1	3.7	3.0	4.1	4.1	4.1	4.6	4.5	2.7	3.3
G153.0	3.2	3.8	3.8	3.8	4.0	4.3	4.7	4.1	2.4	3.1
G154.0	3.4	3.9	4.2	3.8	4.7	4.4	4.5	4.7	2.8	3.0
G155.0	3.2	3.9	4.1	2.9	4.4	4.1	3.9	4.4	3.0	3.3
G156.0	3.4	3.5	3.9	3.9	4.6	4.4	4.4	4.5	3.0	3.4
G157.0	3.1	3.8	3.6	3.7	4.6	4.7	3.9	4.3	2.5	2.9
G158.0	3.2	3.8	4.1	3.3	4.5	4.3	4.3	3.8	2.3	3.4
G159.0	2.7	2.8	4.3	4.1	4.4	3.9	4.5	3.5	2.8	3.3
G160.0	2.7	3.4	3.5	4.0	4.2	3.4	4.3	3.9	2.8	3.4
G161.0	3.3	4.2	4.3	3.9	4.3	4.2	4.2	4.6	2.0	2.8
G162.0	3.4	3.9	4.2	3.5	4.1	4.2	3.8	4.7	2.7	3.6
G163.0	3.1	3.7	4.3	4.0	4.2	5.0	4.1	4.6	2.6	2.8
G164.0	2.7	3.9	4.1	3.7	4.6	4.7	4.8	4.6	2.8	2.9
G165.0	2.9	4.3	3.5	4.1	4.2	4.2	4.2	4.8	2.7	3.5
G166.0	3.0	3.6	4.0	3.8	4.5	4.7	4.3	4.1	3.1	3.6
G167.0	3.4	3.9	3.6	4.0	4.1	4.6	4.2	4.7	3.3	3.1
G168.0	2.9	3.5	4.0	3.3	4.2	4.7	4.5	4.8	3.0	3.3
G169.0	3.4	3.8	3.0	4.2	4.8	4.7	4.3	4.7	2.4	3.6
G170.0	2.6	4.1	4.3	4.3	4.5	4.1	4.7	3.4	3.0	3.3
G171.0	3.3	3.9	4.3	3.8	4.4	4.5	4.6	4.6	3.2	3.4
G172.0	2.7	3.0	4.1	4.0	4.3	4.6	3.8	4.7	3.5	3.4
G173.0	3.2	3.7	4.1	3.1	3.6	3.9	4.0	4.4	2.2	3.5
G174.0	2.9	4.1	3.8	4.0	4.3	4.3	3.7	4.6	2.6	3.6
G175.0	3.7	4.2	4.4	2.8	4.3	4.2	4.0	4.3	2.3	3.5
G176.0	3.1	3.4	3.3	3.6	4.1	4.4	4.4	4.7	2.5	3.7
G177.0	3.1	2.7	3.6	4.0	2.3	4.1	3.3	4.2	2.8	3.3
G178.0	3.4	2.8	3.3	3.8	4.1	4.5	3.9	4.4	3.0	3.6
G179.0	2.4	3.0	3.8	3.8	2.9	4.5	4.4	4.7	3.0	3.0
G180.0	3.2	3.6	4.0	3.9	4.1	4.0	4.4	3.3	2.8	3.2

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G0.0	953.2	953.2	953.2	953.2	953.2	953.2	953.2			
G1.0	952.0	957.6	957.4	954.6	951.3	950.9	957.8			
G2.0	961.2	967.5	966.0	966.5	957.8	954.5	957.8			
G3.0	970.9	977.0	974.2	987.6	968.3	958.1	960.8			
G4.0	981.3	977.0	972.9	994.4	971.8	950.7	958.8			
G5.0	993.8	973.4	967.6	985.7	974.3	955.1	951.4			
G6.0	1002.9	976.8	968.6	976.4	970.4	962.5	945.9			
G7.0	998.3	978.8	978.2	977.3	958.0	968.9	953.1			
G8.0	999.1	982.2	992.4	981.5	957.2	980.6	961.6			
G9.0	1007.8	998.8	1000.7	989.1	959.9	990.4	974.5			
G10.0	1023.8	1019.1	1000.7	993.7	968.4	998.9	990.6			
G11.0	1035.8	1020.6	999.0	992.7	991.6	1010.1	993.6			
G12.0	1045.3	1015.0	1005.9	992.5	1009.9	1008.9	991.5			
G13.0	1053.0	1022.9	1022.0	1000.2	1021.2	1010.7	998.6			
G14.0	1063.6	1044.0	1029.5	1011.3	1029.2	1015.4	1004.1			
G15.0	1057.3	1063.0	1034.3	1020.9	1029.8	1010.8	997.2			
G16.0	1058.7	1064.3	1034.5	1027.1	1029.5	1002.8	997.4			
G17.0	1081.2	1074.0	1041.7	1030.4	1025.9	1008.1	1019.9			
G18.0	1097.8	1089.5	1062.8	1030.2	1027.7	1025.9	1041.8			
G19.0	1105.8	1103.1	1076.0	1047.6	1045.6	1042.0	1049.6			
G20.0	1122.1	1107.9	1077.6	1076.4	1056.8	1058.6	1047.6			
G21.0	1141.7	1109.3	1080.6	1088.7	1054.6	1064.3	1037.8			
G22.0	1154.1	1119.3	1081.4	1088.3	1060.6	1068.4	1030.0			
G23.0	1168.2	1133.8	1090.4	1096.1	1086.4	1073.2	1029.4			
G24.0	1166.0	1134.5	1100.4	1110.0	1110.1	1063.6	1051.0			
G25.0	1171.4	1131.4	1109.5	1113.0	1116.5	1067.9	1082.9			
G26.0	1192.2	1143.1	1134.9	1116.3	1116.5	1110.1	1106.3			
G27.0	1198.9	1166.9	1159.9	1122.1	1125.0	1129.7	1114.8			
G28.0	1203.8	1197.8	1169.5	1139.9	1137.1	1146.1	1115.2			
G29.0	1228.3	1207.3	1172.9	1170.7	1138.1	1148.6	1115.9			
G30.0	1239.2	1211.5	1181.6	1173.7	1126.0	1138.1	1120.9			
G31.0	1247.2	1223.6	1210.2	1162.0	1141.7	1136.6	1149.8			
G32.0	1244.7	1232.8	1231.8	1166.6	1164.8	1142.4	1179.9			
G33.0	1234.9	1241.3	1226.8	1190.8	1179.1	1172.0	1184.7			
G34.0	1243.8	1251.5	1211.9	1214.5	1177.8	1188.5	1166.7			
G35.0	1240.4	1251.8	1206.5	1223.3	1189.9	1194.3	1162.4			
G36.0	1251.9	1242.6	1226.9	1214.6	1199.2	1184.4	1157.7			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.6 °C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G37.0	1266.9	1228.0	1228.3	1197.2	1197.5	1164.1	1155.3			
G38.0	1269.9	1240.8	1205.3	1190.6	1204.2	1173.6	1149.5			
G39.0	1262.4	1243.6	1190.8	1214.6	1215.8	1188.2	1143.9			
G40.0	1281.3	1245.0	1197.3	1218.3	1217.6	1186.1	1150.5			
G41.0	1284.6	1239.0	1220.5	1218.7	1225.7	1195.9	1179.1			
G42.0	1288.5	1261.5	1246.4	1233.2	1237.0	1192.4	1187.1			
G43.0	1299.8	1263.7	1248.2	1239.8	1241.1	1206.0	1206.8			
G44.0	1305.8	1285.7	1244.0	1257.3	1252.9	1224.2	1197.4			
G45.0	1329.8	1304.9	1260.3	1270.1	1249.5	1224.1	1193.6			
G46.0	1321.2	1319.6	1280.2	1282.9	1269.4	1245.5	1200.9			
G47.0	1325.9	1299.2	1288.9	1281.5	1266.5	1236.3	1218.7			
G48.0	1322.9	1311.8	1282.0	1281.0	1277.9	1225.8	1218.2			
G49.0	1326.3	1314.9	1289.1	1274.9	1271.3	1233.3	1229.2			
G50.0	1315.5	1315.5	1282.6	1279.3	1267.8	1233.5	1221.7			
G51.0	1301.5	1294.9	1293.4	1262.9	1266.7	1240.1	1234.0			
G52.0	1281.8	1287.6	1297.7	1261.2	1241.5	1212.2	1230.1			
G53.0	1265.3	1275.8	1281.1	1249.7	1230.6	1215.1	1215.7			
G54.0	1247.7	1269.3	1272.4	1249.0	1212.6	1194.9	1202.5			
G55.0	1245.4	1249.6	1238.6	1234.0	1203.9	1204.9	1189.1			
G56.0	1232.2	1223.6	1229.1	1224.9	1175.1	1173.9	1194.0			
G57.0	1217.8	1220.2	1225.7	1205.0	1156.1	1176.7	1169.5			
G58.0	1199.4	1201.7	1209.9	1191.6	1154.0	1152.9	1161.5			
G59.0	1177.9	1185.5	1190.1	1172.9	1150.8	1142.1	1120.5			
G60.0	1178.5	1171.0	1168.4	1149.1	1129.0	1106.4	1144.0			
G61.0	1172.7	1139.7	1144.0	1122.7	1117.1	1090.3	1085.8			
G62.0	1157.1	1157.4	1121.8	1117.5	1099.1	1063.0	1053.7			
G63.0	1157.0	1131.4	1093.9	1122.4	1087.7	1063.9	1041.6			
G64.0	1146.7	1123.5	1139.9	1113.5	1076.9	1055.6	1106.0			
G65.0	1133.9	1131.6	1137.5	1107.9	1079.4	1047.4	1038.2			
G66.0	1113.9	1087.6	1082.6	1069.4	1059.0	1015.2	1056.5			
G67.0	1074.9	1068.2	1038.9	1049.6	1034.8	987.1	966.7			
G68.0	1029.6	1032.1	989.0	1012.6	990.9	961.9	929.5			
G69.0	972.2	948.0	932.6	950.3	931.2	908.4	930.8			
G70.0	895.7	872.9	853.4	885.9	864.2	842.0	882.7			
G71.0	805.4	795.3	777.4	788.6	783.2	777.9	818.0			
G72.0	716.1	702.3	700.0	702.5	705.2	694.8	737.0			
G73.0	631.8	607.0	575.3	603.1	620.4	589.8	564.7			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G74.0	564.8	537.8	519.6	533.6	549.8	527.6	517.2			
G75.0	504.2	481.8	465.4	475.4	482.8	465.8	465.3			
G76.0	440.1	427.8	422.4	425.2	423.7	405.3	408.0			
G77.0	379.9	368.9	358.4	361.6	369.8	345.5	337.1			
G78.0	324.6	310.0	302.4	307.5	311.1	293.9	296.2			
G79.0	270.0	255.6	251.5	255.5	252.9	241.4	244.5			
G80.0	214.3	212.3	216.2	207.4	206.0	198.6	202.5			
G81.0	170.9	173.0	171.2	166.6	162.2	151.4	158.5			
G82.0	119.7	119.6	127.5	124.1	120.1	109.6	114.6			
G83.0	85.3	81.7	86.0	89.7	90.9	85.3	84.0			
G84.0	68.6	69.2	74.1	74.9	76.1	72.9	73.4			
G85.0	56.3	59.2	63.1	63.8	64.3	60.2	60.1			
G86.0	47.7	49.9	52.1	54.5	54.3	49.8	49.5			
G87.0	40.1	41.3	44.6	46.3	46.0	43.3	42.1			
G88.0	34.5	34.8	38.5	39.8	39.5	38.3	36.9			
G89.0	31.8	32.2	34.2	36.7	37.7	36.9	36.1			
G90.0	28.0	28.5	28.4	30.9	31.8	30.9	29.9			
G91.0	25.8	25.8	26.3	29.0	30.3	29.6	28.9			
G92.0	25.9	25.3	25.9	28.0	29.6	28.5	27.6			
G93.0	24.6	23.1	25.1	26.8	28.7	28.2	27.2			
G94.0	24.0	22.6	24.0	26.3	28.8	28.7	27.9			
G95.0	24.1	23.6	22.1	25.4	28.6	28.5	27.6			
G96.0	23.4	22.4	21.2	25.3	28.4	26.6	26.1			
G97.0	24.5	21.3	21.2	24.2	28.1	28.5	26.4			
G98.0	23.6	18.8	19.3	22.9	29.2	28.7	27.2			
G99.0	23.4	18.4	17.1	22.2	29.8	29.7	27.9			
G100.0	23.7	17.7	15.3	22.3	31.5	31.3	29.5			
G101.0	23.7	18.9	13.6	25.2	32.3	30.0	30.3			
G102.0	25.4	20.2	11.3	25.9	34.0	27.7	26.3			
G103.0	24.8	18.6	9.3	22.3	32.3	26.9	25.4			
G104.0	21.9	14.4	6.8	17.9	27.9	26.0	25.4			
G105.0	20.0	14.1	6.1	17.5	27.3	24.6	24.1			
G106.0	18.5	13.7	6.3	17.3	26.0	22.9	22.5			
G107.0	18.0	13.8	7.4	17.5	24.0	22.3	21.4			
G108.0	16.5	13.9	6.7	17.7	23.0	21.4	20.9			
G109.0	16.0	15.1	7.4	17.7	22.0	20.0	20.2			
G110.0	15.3	14.1	7.2	17.1	21.1	19.0	18.6			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G111.0	15.1	14.2	6.7	17.1	21.2	19.1	17.7			
G112.0	14.9	14.2	6.6	17.1	21.4	18.8	14.2			
G113.0	14.8	14.8	6.7	17.2	21.4	18.0	12.2			
G114.0	13.6	13.2	6.7	16.0	19.9	16.3	10.1			
G115.0	12.8	12.8	6.5	15.0	18.4	15.4	9.5			
G116.0	12.8	12.4	6.4	14.0	18.6	14.6	9.1			
G117.0	11.8	11.8	5.3	13.7	17.6	13.5	8.1			
G118.0	11.6	11.4	6.2	13.2	17.1	13.1	8.1			
G119.0	11.5	11.7	5.5	12.4	16.5	12.7	7.5			
G120.0	11.3	10.8	5.5	12.5	15.7	12.3	7.2			
G121.0	10.2	10.1	5.1	11.3	14.4	11.2	6.7			
G122.0	10.1	9.5	4.7	10.8	13.6	10.7	6.3			
G123.0	10.0	8.5	3.8	9.4	13.2	9.9	5.1			
G124.0	9.3	7.9	4.3	9.2	12.4	9.4	5.8			
G125.0	9.0	8.0	4.1	8.5	11.7	8.9	5.3			
G126.0	8.6	7.3	2.9	8.0	11.2	8.0	5.6			
G127.0	8.7	7.2	3.6	8.2	11.0	8.3	5.1			
G128.0	7.7	6.4	3.6	7.5	10.4	8.3	5.1			
G129.0	6.5	5.9	3.5	6.5	8.5	7.7	5.0			
G130.0	6.1	5.6	4.1	5.6	8.1	6.8	5.1			
G131.0	5.5	5.0	3.7	5.8	7.6	6.4	4.5			
G132.0	5.1	5.0	3.0	5.0	7.6	5.6	5.0			
G133.0	5.0	4.8	3.7	5.6	7.4	6.2	4.7			
G134.0	5.0	4.6	4.0	5.2	7.2	6.0	4.0			
G135.0	5.1	4.5	3.8	5.0	6.9	6.1	4.2			
G136.0	4.9	4.6	4.0	5.5	6.6	5.7	4.2			
G137.0	4.9	4.0	3.9	5.2	6.3	6.0	4.2			
G138.0	4.7	3.7	3.0	4.8	6.5	5.4	4.3			
G139.0	4.6	3.9	4.0	5.0	5.7	6.3	3.8			
G140.0	4.5	3.8	3.6	4.5	5.3	5.6	3.9			
G141.0	4.4	3.7	3.5	4.5	6.0	5.5	3.8			
G142.0	3.6	4.1	3.8	4.2	5.7	5.0	3.6			
G143.0	4.1	4.1	4.3	3.6	5.4	5.0	3.5			
G144.0	4.0	3.8	4.1	4.3	5.2	5.1	3.5			
G145.0	3.8	3.6	4.2	4.2	5.0	4.7	3.1			
G146.0	4.0	4.1	4.5	4.3	4.9	4.4	3.4			
G147.0	4.0	4.7	4.5	3.6	4.0	3.8	2.0			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C225.0	C247.5	C270.0	C292.5	C315.0	C337.5	C360.0			
G148.0	3.6	4.1	4.0	4.3	3.5	4.3	3.5			
G149.0	3.6	4.2	3.8	3.9	4.0	4.9	3.3			
G150.0	3.6	4.0	3.6	4.6	3.9	5.0	3.2			
G151.0	3.7	4.2	4.3	4.0	3.8	4.0	2.9			
G152.0	3.6	3.8	4.1	4.0	4.1	3.8	3.1			
G153.0	3.5	3.8	3.8	3.6	4.2	4.7	3.2			
G154.0	3.8	4.0	3.8	4.2	4.3	4.3	3.4			
G155.0	3.5	4.3	4.1	4.5	4.3	4.5	3.2			
G156.0	3.1	3.9	3.6	4.5	3.9	4.1	3.4			
G157.0	3.4	3.4	4.1	4.4	4.2	4.3	3.1			
G158.0	3.7	3.8	3.8	4.0	4.4	4.5	3.2			
G159.0	3.5	3.7	4.4	4.1	4.3	4.8	2.7			
G160.0	3.2	4.0	4.1	4.2	4.5	4.8	2.7			
G161.0	3.7	4.2	4.3	4.3	4.4	4.1	3.3			
G162.0	3.6	4.5	4.3	3.9	4.3	4.2	3.4			
G163.0	4.4	3.5	3.9	4.3	4.6	4.6	3.1			
G164.0	3.7	3.9	4.4	4.4	4.6	4.8	2.7			
G165.0	3.3	4.6	4.1	4.7	3.4	5.0	2.9			
G166.0	3.1	4.0	4.2	3.6	4.5	4.6	3.0			
G167.0	3.6	4.0	4.2	4.5	4.1	4.7	3.4			
G168.0	3.5	4.7	4.0	4.6	4.4	4.8	2.9			
G169.0	4.0	3.9	4.3	4.3	4.2	5.0	3.4			
G170.0	4.1	4.5	4.0	4.6	4.6	4.8	2.6			
G171.0	4.0	4.2	4.3	4.0	4.6	5.0	3.3			
G172.0	4.2	4.4	3.7	4.4	4.9	4.7	2.7			
G173.0	3.3	4.2	4.2	3.9	4.4	4.5	3.2			
G174.0	4.3	4.0	4.4	4.4	4.7	4.4	2.9			
G175.0	4.2	4.5	4.6	4.5	4.1	4.6	3.7			
G176.0	4.0	4.3	4.4	4.5	4.5	4.5	3.1			
G177.0	3.7	4.2	3.7	4.4	4.3	4.5	3.1			
G178.0	3.8	3.7	4.0	4.3	4.3	3.4	3.4			
G179.0	4.0	4.2	2.9	4.0	3.9	4.1	2.4			
G180.0	3.6	4.0	3.9	4.1	4.0	4.4	3.2			

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature: 25.6 'C

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-3000

Distance: 14.040 m [K=1.0000]

Humidity:

Inspector: