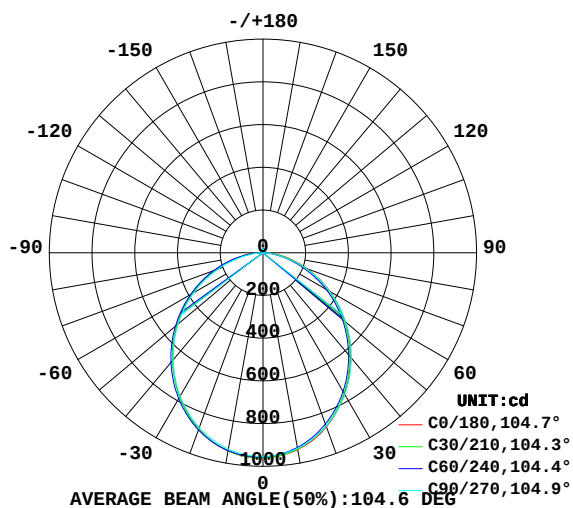


LUMINAIRE PHOTOMETRIC TEST REPORT

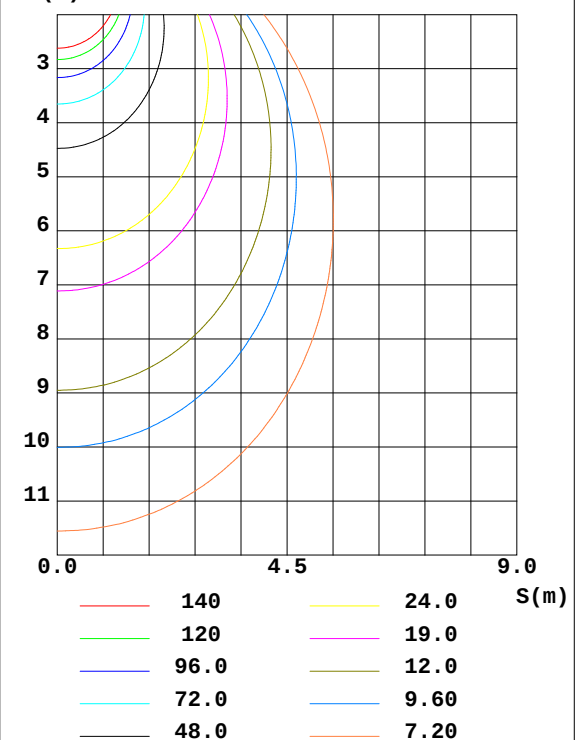
Test:U:120.0V I:0.2174A P:24.95W PF:0.9922 Lamp Flux:2579.27x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 103.40 lm/W			
MODEL	2ft WR	I _{max} (cd)	961.2	S/MH(C0/180)	1.21
NOMINAL POWER(W)	25	LOR(%)	100.0	S/MH(C90/270)	1.21
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	2579.3	η UP, DN(C0-180)	1.2, 49.0
NOMINAL FLUX(lm)	2579.27	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 48.6
LAMPS INSIDE	1	η up(%)	2.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120.1	η down(%)	97.6	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators: ALLEN
Test Date:2018-04-12

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.266
Humidity:65.0%
Test Distance:9.680m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	ϕ zone	ϕ total	%lum, lamp
5	957.2	955.5	949.2	941.6	953.3	949.5	947.2	949.7	0- 5	22.78	22.78	0.88,0.88
10	942.1	941.0	933.2	921.3	935.1	929.4	930.2	936.8	5- 10	67.37	90.15	3.5,3.5
15	916.2	916.3	906.9	889.9	906.7	898.5	902.1	912.2	10- 15	109.1	199.2	7.72,7.72
20	879.1	880.7	871.1	850.0	867.8	857.9	865.0	877.4	15- 20	146.1	345.3	13.4,13.4
25	832.1	836.4	827.2	801.9	818.8	809.3	818.7	834.3	20- 25	177.2	522.6	20.3,20.3
30	778.6	785.1	775.2	747.6	762.6	753.8	765.8	783.4	25- 30	201.2	723.8	28.1,28.1
35	719.7	727.0	717.6	687.8	701.0	693.1	707.3	726.8	30- 35	217.6	941.3	36.5,36.5
40	657.4	664.5	654.0	623.9	636.7	628.4	643.7	665.7	35- 40	226.1	1167	45.3,45.3
45	592.0	598.5	587.7	556.7	569.4	560.1	576.3	600.4	40- 45	226.9	1394	54.1,54.1
50	524.8	529.5	517.9	487.3	501.3	490.3	506.0	532.6	45- 50	220.3	1615	62.6,62.6
55	455.2	459.3	446.8	416.4	432.1	419.4	433.3	462.3	50- 55	206.7	1821	70.6,70.6
60	384.1	387.7	373.5	344.8	361.7	347.6	359.8	390.4	55- 60	186.8	2008	77.9,77.9
65	312.5	315.7	299.6	271.0	290.2	274.8	285.5	318.0	60- 65	161.3	2169	84.1,84.1
70	242.0	242.8	222.0	200.9	219.3	204.9	211.4	244.6	65- 70	131.1	2301	89.2,89.2
75	174.7	173.6	150.9	134.4	154.4	138.5	139.5	175.2	70- 75	98.76	2399	93,93
80	111.6	108.6	84.79	75.19	97.06	79.43	73.28	110.3	75- 80	65.92	2465	95.6,95.6
85	62.58	55.67	31.05	32.50	52.54	36.27	23.19	57.22	80- 85	36.53	2502	97,97
90	29.76	21.73	3.428	12.03	24.79	14.20	3.311	23.21	85- 90	15.00	2518	97.6,97.6
95	13.99	8.292	2.491	6.645	12.25	6.966	3.052	10.27	90- 95	6.316	2524	97.9,97.9
100	9.662	5.924	3.317	5.785	9.413	5.751	3.594	7.043	95-100	3.686	2528	98,98
105	8.811	6.180	4.180	6.290	7.854	6.140	4.179	7.126	100-105	3.359	2531	98.1,98.1
110	8.320	6.729	5.177	6.883	7.519	6.749	5.331	7.519	105-110	3.438	2534	98.3,98.3
115	8.795	7.349	6.235	7.757	8.125	7.418	6.243	7.820	110-115	3.634	2538	98.4,98.4
120	9.213	7.798	7.381	8.875	8.388	8.290	7.270	7.997	115-120	3.814	2542	98.5,98.5
125	9.538	8.495	8.614	9.719	8.854	9.454	8.358	8.266	120-125	3.953	2546	98.7,98.7
130	9.990	9.085	9.915	10.94	9.270	10.44	9.471	9.062	125-130	4.067	2550	98.9,98.9
135	10.91	10.12	11.28	12.78	10.12	11.61	10.59	10.06	130-135	4.185	2554	99,99
140	11.89	11.21	12.35	13.40	11.24	12.94	11.53	10.93	135-140	4.274	2558	99.2,99.2
145	12.81	12.29	13.26	14.30	12.17	13.51	12.43	12.14	140-145	4.144	2562	99.3,99.3
150	14.02	12.90	14.09	15.23	13.64	14.37	13.35	12.61	145-150	3.934	2566	99.5,99.5
155	15.05	13.56	14.64	15.55	14.40	15.99	14.34	13.67	150-155	3.607	2570	99.6,99.6
160	15.88	13.97	15.41	16.20	14.32	15.68	15.40	14.64	155-160	3.151	2573	99.8,99.8
165	15.80	14.89	17.07	17.88	14.65	17.01	16.35	15.26	160-165	2.561	2576	99.9,99.9
170	15.88	15.93	18.00	17.99	15.27	17.09	17.71	16.10	165-170	1.960	2578	99.9,99.9
175	17.18	18.63	18.31	17.36	17.44	17.65	18.01	18.16	170-175	1.231	2579	100,100
180	16.25	17.64	18.28	18.10	16.29	17.48	18.34	18.16	175-180	0.4252	2579	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

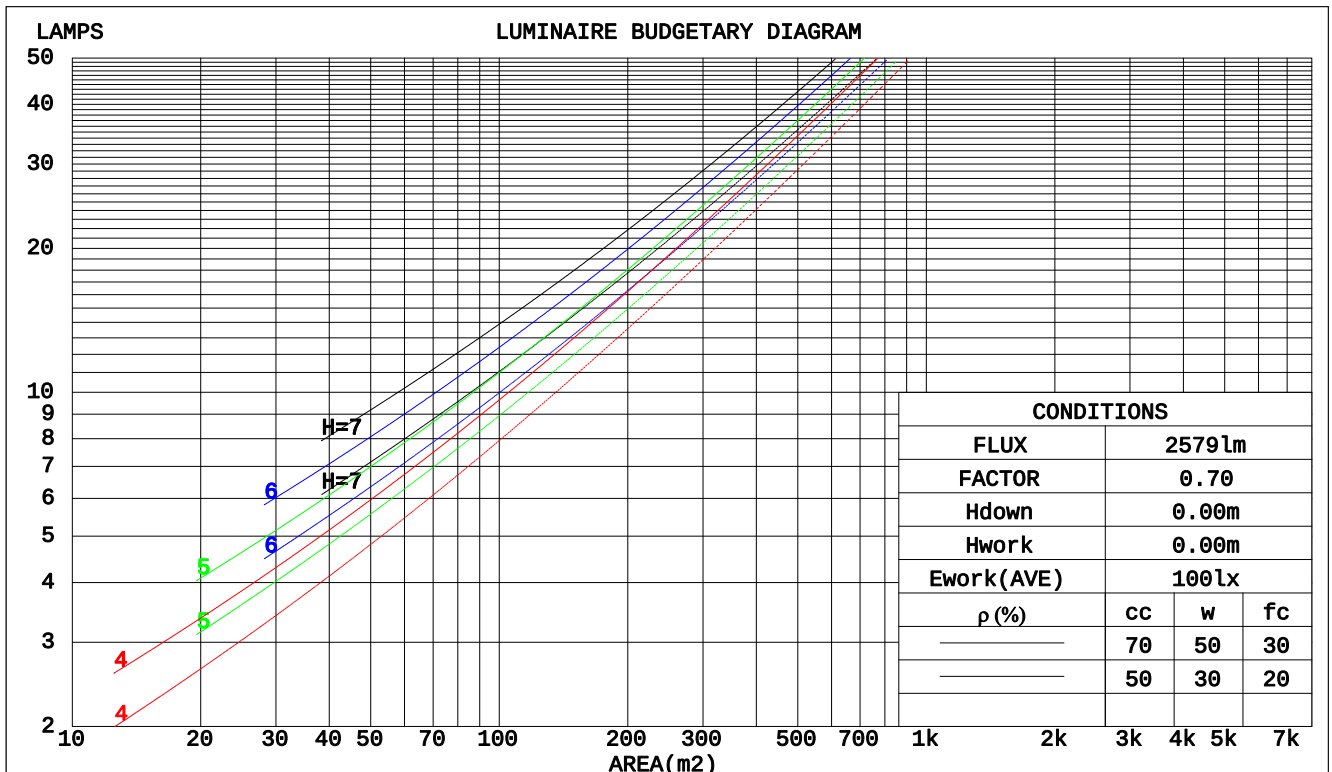
C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators: ALLEN
 Test Date:2018-04-12

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 γ Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.2174A P:24.95W PF:0.9922 Lamp Flux:2579.27x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
RCR:Room Cavity Ratio																
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.10	1.10	1.10	1.05	1.05	1.05	.00	.00	.00	.98
1.0	1.04	.99	.95	1.01	.97	.94	.96	.93	.90	.92	.89	.87	.88	.86	.84	.82
2.0	.90	.84	.78	.88	.82	.77	.84	.79	.75	.81	.76	.73	.77	.74	.71	.68
3.0	.80	.72	.65	.78	.70	.64	.75	.68	.63	.71	.66	.62	.69	.64	.60	.58
4.0	.71	.62	.55	.69	.61	.55	.66	.59	.54	.64	.58	.53	.61	.56	.52	.50
5.0	.63	.54	.48	.62	.54	.47	.60	.52	.47	.57	.51	.46	.55	.50	.45	.43
6.0	.57	.48	.42	.56	.48	.41	.54	.46	.41	.52	.45	.40	.50	.44	.40	.38
7.0	.52	.43	.37	.51	.43	.37	.49	.42	.36	.47	.41	.36	.46	.40	.35	.33
8.0	.47	.39	.33	.46	.38	.33	.45	.38	.33	.44	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.30	.43	.35	.30	.41	.34	.29	.40	.34	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators: ALLEN
 Test Date:2018-04-12

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.266
 Humidity:65.0%
 Test Distance:9.680m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.2174A P:24.95W PF:0.9922 Lamp Flux:2579.27x1 lm									
NAME:				TYPE:			WEIGHT:		
DIM.:				SPEC.:			SERIAL No.:		
MFR.:				SUR.:			PROTECTION ANGLE:		

ρ_{cc}	80%			70%			50%			30%			10%			0	
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.305	.173	.055	.297	.170	.054	.283	.162	.052	.269	.155	.050	.257	.149	.048		
2.0	.286	.157	.048	.279	.154	.047	.266	.148	.046	.254	.143	.045	.243	.138	.043		
3.0	.265	.141	.042	.259	.139	.042	.247	.134	.041	.237	.130	.040	.227	.126	.039		
4.0	.245	.127	.037	.239	.125	.037	.229	.121	.036	.219	.118	.036	.211	.114	.035		
5.0	.226	.115	.033	.222	.114	.033	.212	.111	.033	.204	.108	.032	.196	.105	.031		
6.0	.210	.105	.030	.206	.104	.030	.198	.101	.029	.190	.099	.029	.183	.096	.029		
7.0	.196	.097	.027	.192	.096	.027	.185	.093	.027	.178	.091	.027	.171	.089	.026		
8.0	.183	.089	.025	.179	.088	.025	.173	.086	.025	.167	.084	.024	.161	.083	.024		
9.0	.172	.083	.023	.168	.082	.023	.162	.080	.023	.157	.079	.023	.152	.077	.022		
10.0	.161	.077	.021	.159	.077	.021	.153	.075	.021	.148	.074	.021	.143	.072	.021		

ρ _{CC}	80%			70%			50%			30%			10%			0
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fC}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.209	.209	.209	.178	.178	.178	.122	.122	.122	.070	.070	.070	.022	.022	.022	
1.0	.198	.175	.153	.170	.150	.132	.116	.103	.091	.067	.060	.053	.021	.019	.017	
2.0	.190	.150	.117	.163	.130	.101	.112	.090	.071	.064	.052	.041	.021	.017	.013	
3.0	.182	.133	.094	.156	.115	.081	.107	.080	.057	.062	.047	.034	.020	.015	.011	
4.0	.174	.120	.078	.150	.103	.067	.103	.072	.048	.060	.042	.028	.019	.014	.009	
5.0	.167	.109	.067	.143	.094	.058	.099	.066	.041	.057	.039	.024	.018	.013	.008	
6.0	.160	.101	.058	.137	.087	.051	.095	.061	.036	.055	.036	.021	.018	.012	.007	
7.0	.153	.094	.052	.132	.081	.046	.091	.057	.032	.053	.034	.019	.017	.011	.006	
8.0	.147	.088	.048	.126	.076	.042	.087	.054	.030	.051	.032	.018	.016	.010	.006	
9.0	.141	.083	.044	.121	.072	.039	.084	.051	.028	.049	.030	.016	.016	.010	.005	
10.0	.135	.079	.042	.116	.069	.036	.081	.048	.026	.047	.029	.015	.015	.009	.005	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators: ALLEN
Test Date:2018-04-12

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.266
Humidity:65.0%
Test Distance:9.680m [K=1.0000]
Remarks:

Uncorrected UGR Table

Test:U:120.0V I:0.2174A P:24.95W PF:0.9922 Lamp Flux:2579.27x1 lm											
NAME:					TYPE:			WEIGHT:			
DIM.:					SPEC.:			SERIAL No.:			
MFR.:					SUR.:			PROTECTION ANGLE:			
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3	
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3	
working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	
Room dimensions		Viewed crosswise					Viewed endwise				
x = 2H y = 2H	2H	20.0	21.4	20.3	21.7	21.9	20.0	21.4	20.3	21.7	21.9
	3H	21.5	22.8	21.8	23.1	23.4	21.4	22.7	21.7	23.0	23.3
	4H	22.1	23.4	22.4	23.7	24.0	21.9	23.2	22.3	23.5	23.8
	6H	22.6	23.8	23.0	24.1	24.4	22.3	23.5	22.6	23.8	24.1
	8H	22.8	24.0	23.2	24.3	24.6	22.3	23.5	22.7	23.8	24.2
	12H	23.0	24.1	23.3	24.4	24.8	22.4	23.5	22.8	23.8	24.2
4H	2H	20.6	21.9	20.9	22.1	22.5	20.6	21.9	20.9	22.2	22.5
	3H	22.3	23.4	22.6	23.7	24.1	22.2	23.3	22.6	23.7	24.0
	4H	23.0	24.0	23.4	24.4	24.8	22.9	23.9	23.3	24.3	24.7
	6H	23.6	24.6	24.1	24.9	25.4	23.4	24.3	23.8	24.7	25.1
	8H	23.9	24.8	24.4	25.2	25.6	23.5	24.3	23.9	24.8	25.2
	12H	24.1	24.9	24.6	25.3	25.8	23.6	24.4	24.0	24.8	25.2
8H	4H	23.3	24.1	23.7	24.5	25.0	23.2	24.0	23.6	24.4	24.9
	6H	24.1	24.8	24.6	25.2	25.7	23.8	24.5	24.3	25.0	25.5
	8H	24.4	25.1	24.9	25.5	26.0	24.1	24.7	24.6	25.2	25.7
	12H	24.8	25.3	25.3	25.8	26.3	24.2	24.8	24.7	25.2	25.8
12H	4H	23.3	24.1	23.8	24.5	25.0	23.2	24.0	23.7	24.4	24.9
	6H	24.2	24.8	24.7	25.2	25.7	23.9	24.5	24.4	25.0	25.5
	8H	24.6	25.1	25.1	25.6	26.1	24.2	24.7	24.7	25.2	25.7
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.4					
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					

CIE Pub.117 Corrected 2579 lm Total Lamp Luminous Flux.(8log(F/F0) = 3.3)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators: ALLEN
Test Date:2018-04-12

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.266
Humidity:65.0%
Test Distance:9.680m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.2174A P:24.95W PF:0.9922 Lamp Flux:2579.27x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

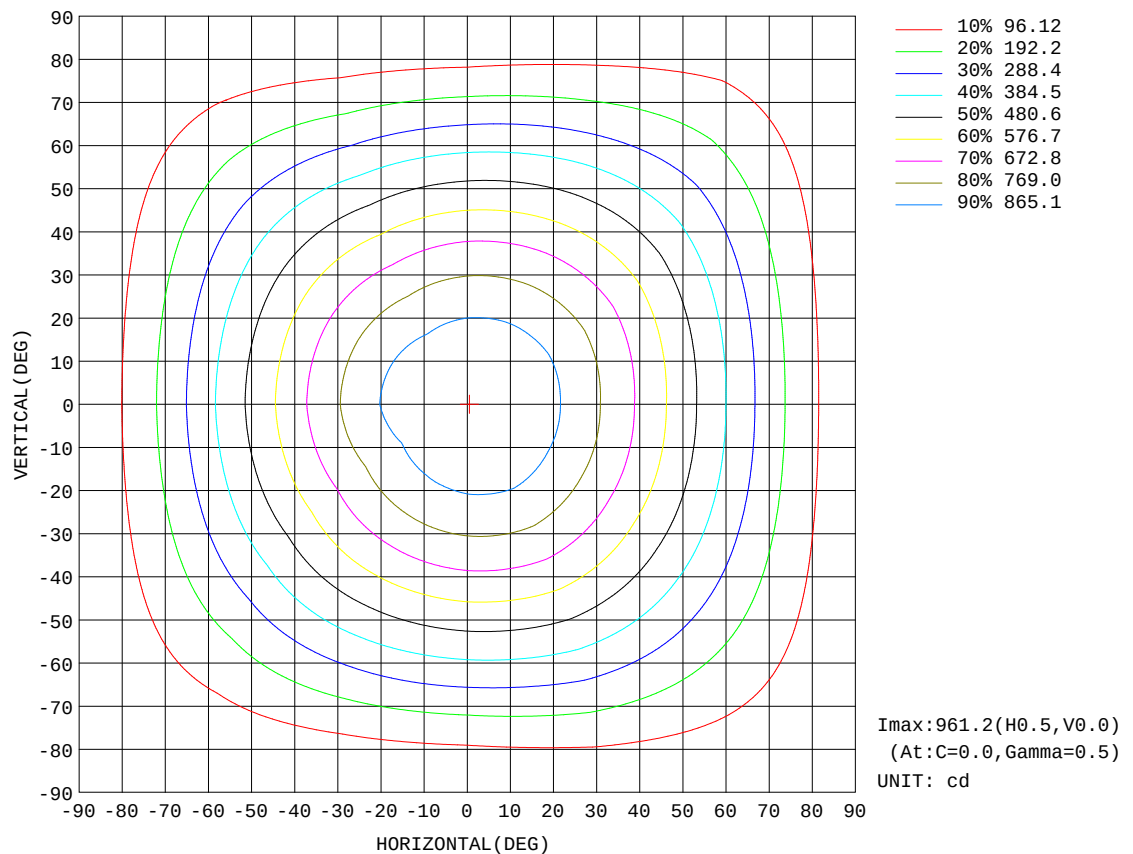
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	46	40	57	46	39	56	46	39	33
0.80	68	56	49	67	56	49	65	55	48	41
1.00	76	65	58	75	64	58	72	66	57	50
1.25	83	73	66	81	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	75	69	62
2.00	95	86	80	93	85	79	89	82	77	69
2.50	99	91	85	96	89	84	92	86	82	73
3.00	102	95	90	99	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	94	91	81
5.00	108	103	99	105	101	97	101	97	94	84
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators: ALLEN
Test Date:2018-04-12

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.266
Humidity:65.0%
Test Distance:9.680m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.2174A P:24.95W PF:0.9922 Lamp Flux:2579.27x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

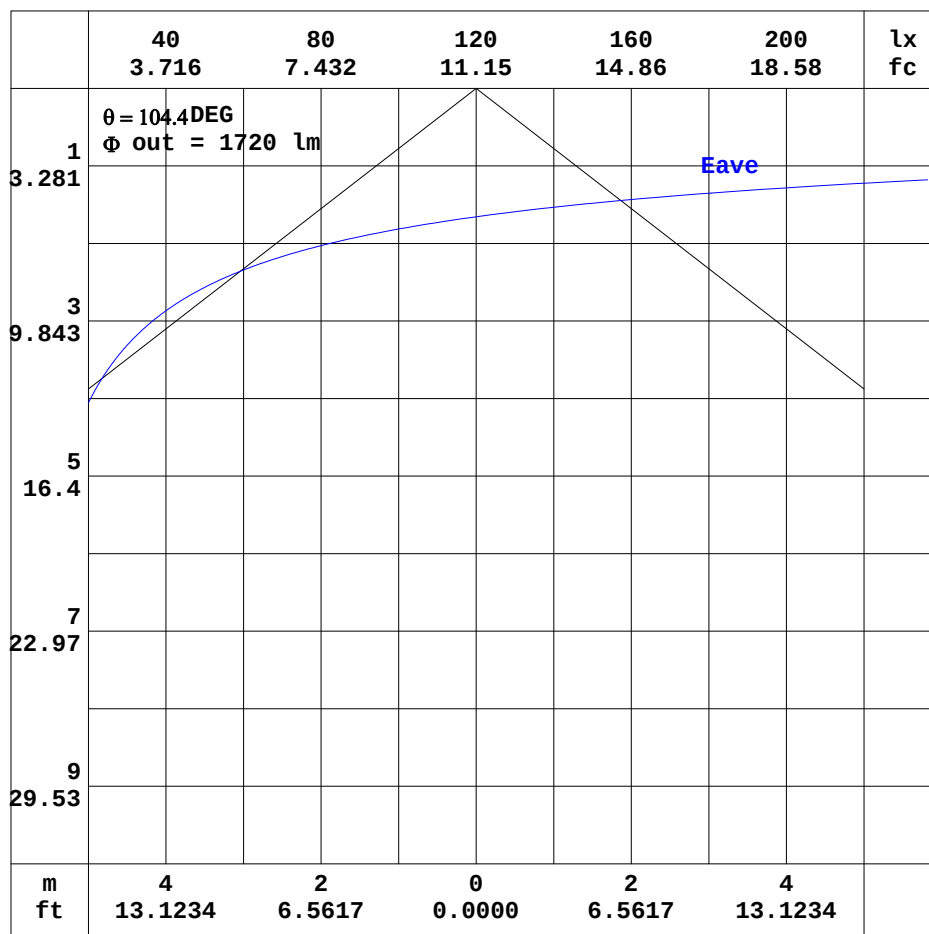


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ALLEN
Test Date: 2018-04-12

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.266
Humidity: 65.0%
Test Distance: 9.680m [K=1.0000]
Remarks:

AAI CURVES

Test:U:120.0V I:0.2174A P:24.95W PF:0.9922 Lamp Flux:2579.27x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



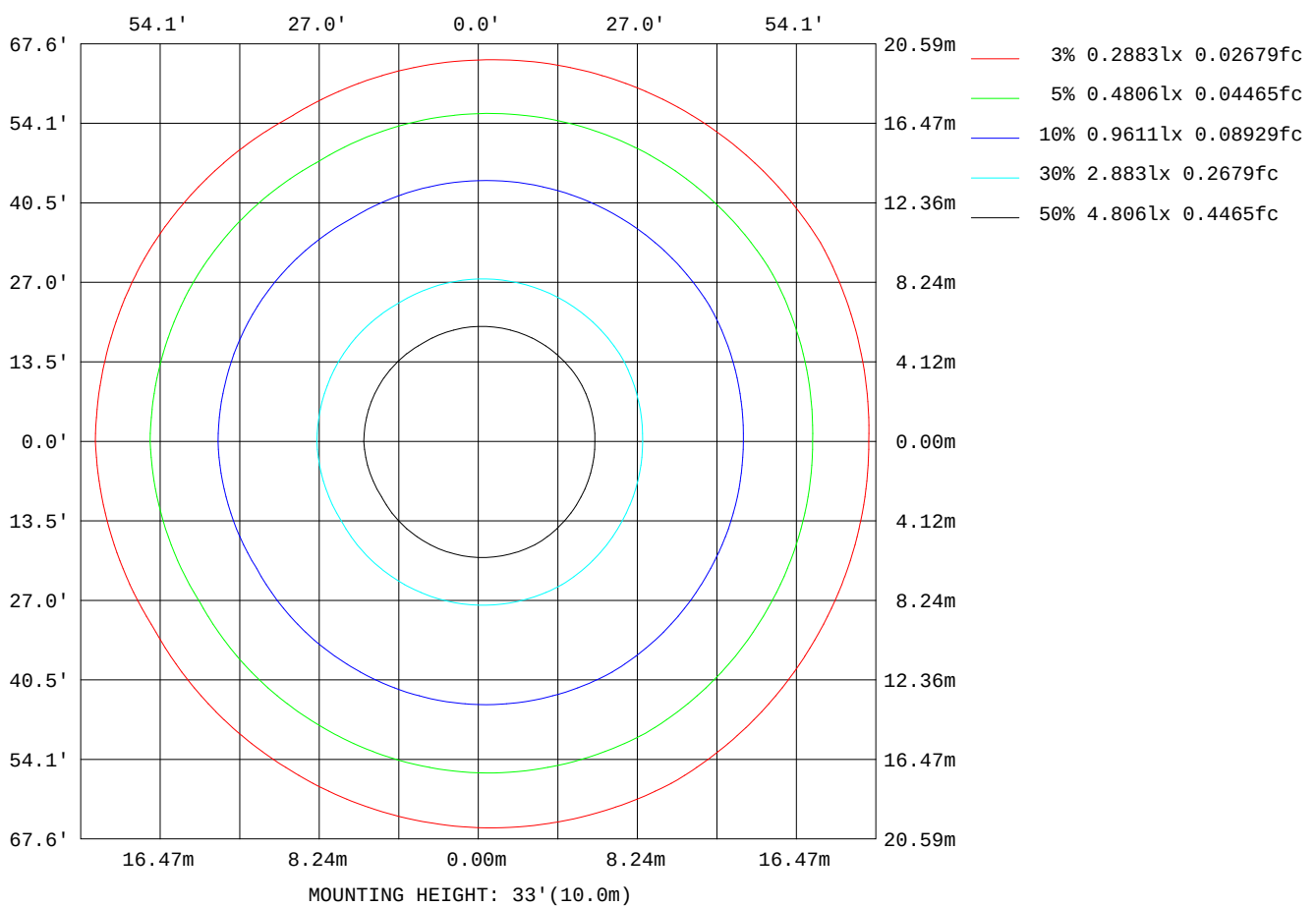
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ALLEN
Test Date: 2018-04-12

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.266
Humidity: 65.0%
Test Distance: 9.680m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

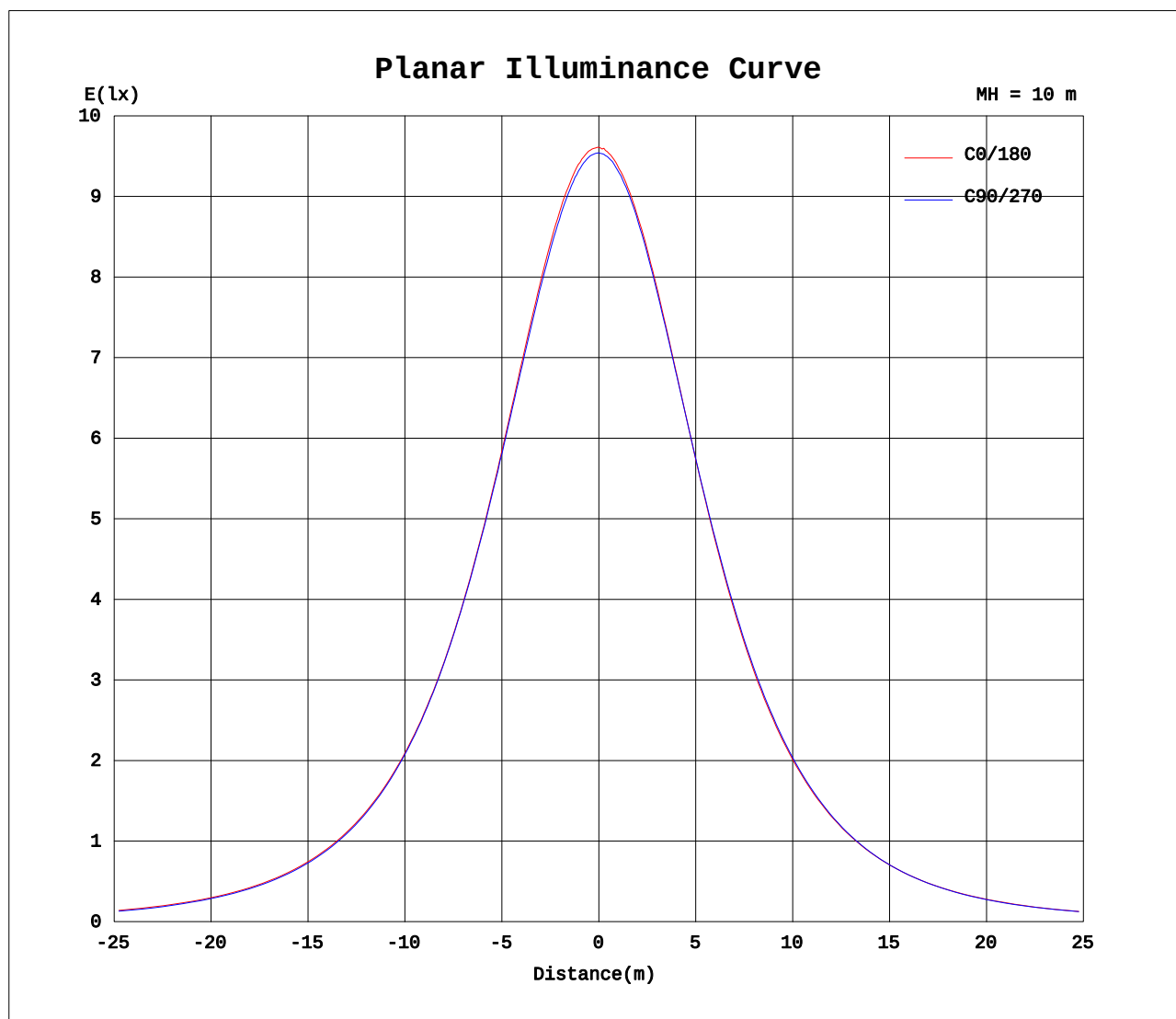
Test:U:120.0V I:0.2174A P:24.95W PF:0.9922 Lamp Flux:2579.27x1 lm		
NAME:	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: ALLEN
Test Date: 2018-04-12

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.266
Humidity: 65.0%
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Remarks:

Planar Illuminance Curve



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C Interval: 30.0DEG
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γ Range: 0 - 180DEG
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Humidity: 65.0%
Test Distance: 9.680m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.2174A P:24.95W PF:0.9922 Lamp Flux:2579.27x1 lm																	
NAME:									TYPE:						WEIGHT:		
DIM.:									SPEC.:						SERIAL No.:		
MFR.:									SUR.:						PROTECTION ANGLE:		

Table--1

UNIT: cd

γ (DEG)	C (DEG)																
	0	30	60	90	120	150	180	210	240	270	300	330					
0	961	961	956	954	951	952	961	961	956	954	951	952					
5	957	957	954	949	943	940	953	953	946	947	948	952					
10	942	941	940	933	924	918	935	933	926	930	934	940					
15	916	915	917	907	895	885	907	902	895	902	908	916					
20	879	879	883	871	856	844	868	862	854	865	873	882					
25	832	833	840	827	809	795	819	813	805	819	830	839					
30	779	781	789	775	756	740	763	758	750	766	779	788					
35	720	722	732	718	696	679	701	698	689	707	721	732					
40	657	659	670	654	632	616	637	633	624	644	659	672					
45	592	593	604	588	565	548	569	566	555	576	593	607					
50	525	524	535	518	495	479	501	496	484	506	525	540					
55	455	455	464	447	424	409	432	426	413	433	454	471					
60	384	384	391	374	351	338	362	355	340	360	381	400					
65	312	313	318	300	278	264	290	285	265	286	308	328					
70	242	240	246	222	206	195	219	215	194	211	233	257					
75	175	172	175	151	138	131	154	149	128	139	162	188					
80	112	111	107	84.8	74.5	75.9	97.1	89.8	69.0	73.3	97.4	123					
85	62.6	59.8	51.5	31.1	28.6	36.3	52.5	46.0	26.5	23.2	44.4	70.0					
90	29.8	26.4	17.1	3.43	8.45	15.6	24.8	20.3	8.15	3.31	13.6	32.8					
95	14.0	11.4	5.20	2.49	4.44	8.85	12.2	9.40	4.53	3.05	6.09	14.4					
100	9.66	7.03	4.82	3.32	4.56	7.01	9.41	6.85	4.65	3.59	5.50	8.58					
105	8.81	7.24	5.12	4.18	5.25	7.33	7.85	7.03	5.25	4.18	5.97	8.29					
110	8.32	7.56	5.90	5.18	6.14	7.63	7.52	7.37	6.12	5.33	6.70	8.33					
115	8.80	8.08	6.62	6.24	7.18	8.33	8.12	7.85	6.99	6.24	7.26	8.38					
120	9.21	8.40	7.19	7.38	8.49	9.26	8.39	8.25	8.33	7.27	7.90	8.10					
125	9.54	9.02	7.97	8.61	9.81	9.63	8.85	9.03	9.87	8.36	8.34	8.19					
130	9.99	9.23	8.94	9.91	11.1	10.8	9.27	9.53	11.4	9.47	9.27	8.86					
135	10.9	10.1	10.1	11.3	13.3	12.2	10.1	10.8	12.4	10.6	10.3	9.80					
140	11.9	11.0	11.4	12.3	13.0	13.8	11.2	12.4	13.5	11.5	11.4	10.4					
145	12.8	12.2	12.4	13.3	13.8	14.8	12.2	13.6	13.4	12.4	12.9	11.4					
150	14.0	13.4	12.4	14.1	14.5	15.9	13.6	14.5	14.2	13.4	13.0	12.2					
155	15.0	14.2	12.9	14.6	15.3	15.8	14.4	16.8	15.2	14.3	14.1	13.2					
160	15.9	14.2	13.7	15.4	16.1	16.3	14.3	15.4	16.0	15.4	14.7	14.6					
165	15.8	14.4	15.3	17.1	18.9	16.9	14.6	15.9	18.1	16.4	15.5	15.0					
170	15.9	15.1	16.8	18.0	17.4	18.6	15.3	16.3	17.9	17.7	16.5	15.7					
175	17.2	17.9	19.3	18.3	17.4	17.3	17.4	17.9	17.4	18.0	19.6	16.7					
180	16.3	17.1	18.2	18.3	18.2	18.0	16.3	16.9	18.1	18.3	18.3	18.0					

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