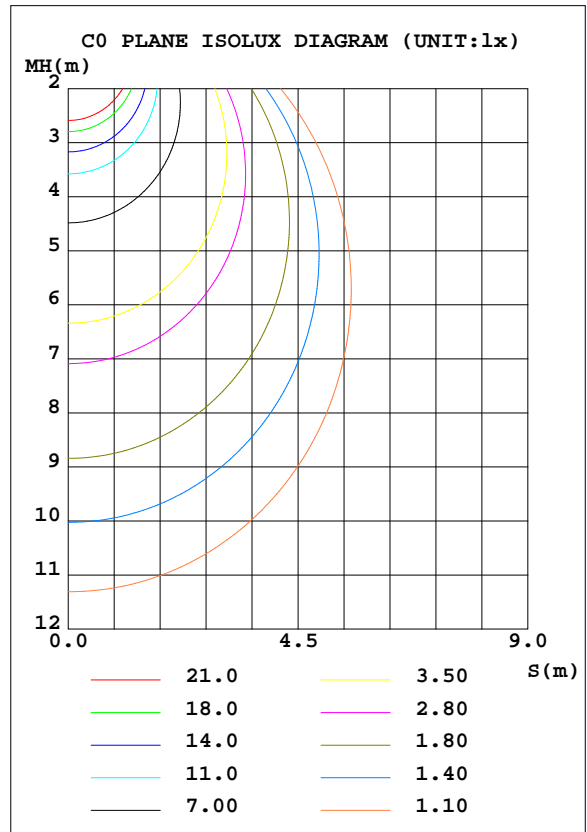
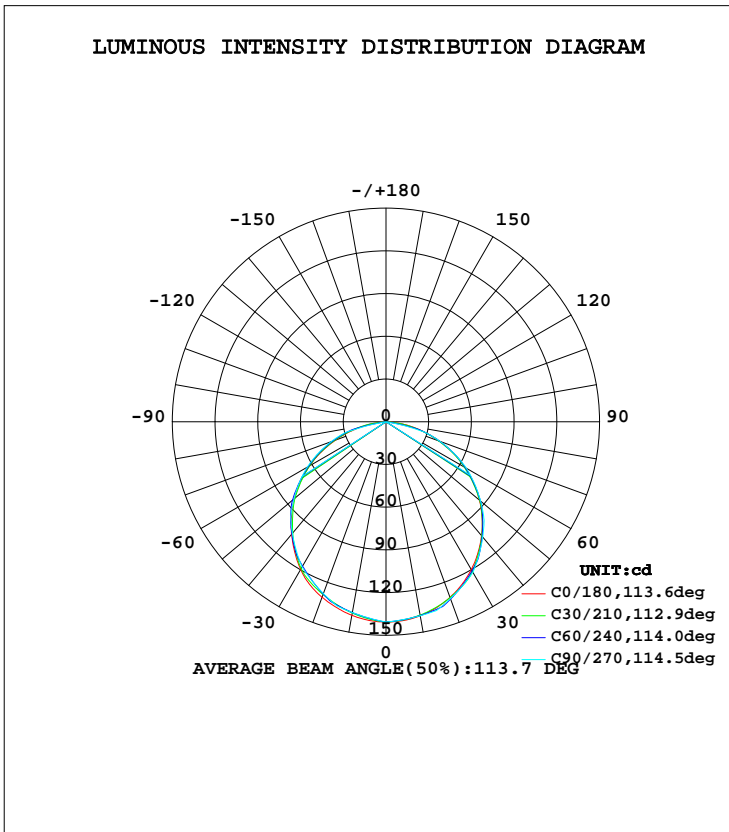


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.6V I:0.1859A P:10.56W PF:0.4711 Lamp Flux:402.004x1 lm		
NAME: MIX-01-16.6-2.5M 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 38.08 lm/W			
MODEL	MIX-01-16.6-2.5M	I <sub>max</sub> (cd)	140.7	S/MH(C0/180)	1.26
NOMINAL POWER(W)	120	LOR(%)	100.0	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	402.00	η UP, DN(C0-180)	0.0, 50.4
NOMINAL FLUX(lm)	402.004	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 49.6
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-10-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.285  
 Humidity:65.0%  
 Test Distance:7.690m [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	140.1	139.6	139.5	139.5	140.0	138.7	138.4	138.8	0- 5	3.342	3.342	0.83,0.83
10	138.4	138.0	138.4	137.7	138.0	136.1	136.1	136.3	5- 10	9.888	13.23	3.29,3.29
15	135.4	135.7	137.2	135.3	135.0	133.0	133.8	133.3	10- 15	16.13	29.36	7.3,7.3
20	131.3	132.9	132.2	132.4	131.2	129.4	128.5	129.7	15- 20	21.86	51.22	12.7,12.7
25	126.1	127.1	127.2	126.9	126.4	123.9	123.1	123.9	20- 25	26.83	78.05	19.4,19.4
30	119.8	120.4	122.1	120.8	119.8	117.8	117.8	117.3	25- 30	30.97	109.0	27.1,27.1
35	112.6	113.3	113.9	114.2	111.8	111.3	110.1	110.4	30- 35	34.10	143.1	35.6,35.6
40	104.4	105.5	105.7	106.8	103.1	103.6	102.3	103.0	35- 40	36.02	179.1	44.6,44.6
45	95.46	95.61	97.45	96.80	94.03	93.71	94.59	93.85	40- 45	36.82	216.0	53.7,53.7
50	85.69	85.67	86.70	86.93	84.10	83.79	84.37	84.59	45- 50	36.46	252.4	62.8,62.8
55	75.24	75.64	75.94	77.05	73.42	73.91	74.15	75.23	50- 55	34.79	287.2	71.4,71.4
60	64.12	63.68	65.18	65.02	62.08	62.27	63.93	63.88	55- 60	32.00	319.2	79.4,79.4
65	52.40	51.93	52.78	53.14	50.08	50.83	52.52	52.71	60- 65	28.16	347.4	86.4,86.4
70	40.31	39.89	40.38	40.95	37.70	39.26	41.11	41.35	65- 70	23.33	370.7	92.2,92.2
75	28.02	27.48	27.98	28.40	25.24	27.56	29.69	29.74	70- 75	17.79	388.5	96.6,96.6
80	16.52	13.66	0	14.29	13.50	14.19	0	16.00	75- 80	10.56	399.1	99.3,99.3
85	3.298	0	0	0	3.356	0	0	0	80- 85	2.723	401.8	99.9,99.9
90	0.3920	0	0	0	0.1890	0	0	0	85- 90	0.2253	402.0	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

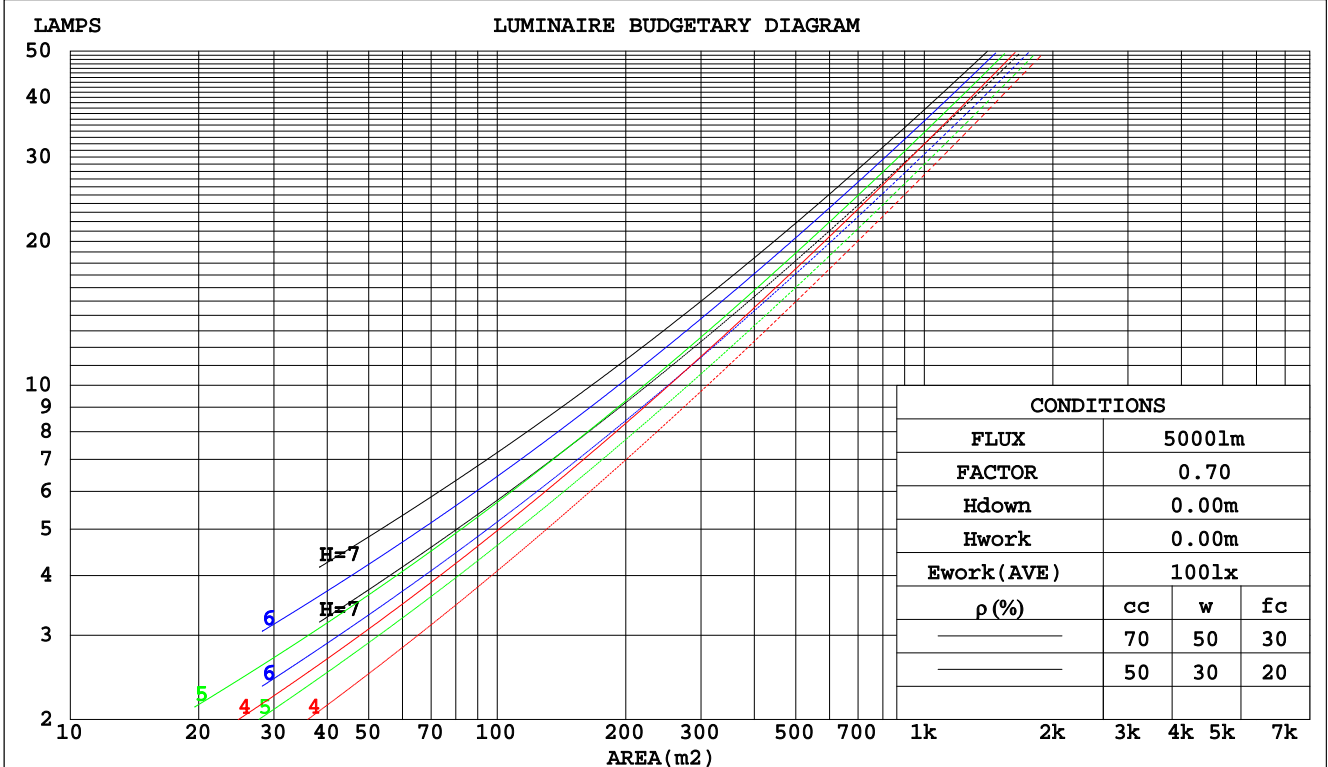
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-10-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.285  
 Humidity:65.0%  
 Test Distance:7.690m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.6V I:0.1859A P:10.56W PF:0.4711 Lamp Flux:402.004x1 lm		
NAME: MIX-01-16.6-2.5M 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pw																0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	1.00	.96	1.02	.98	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.84	.78	.89	.83	.77	.85	.80	.76	.82	.78	.74	.79	.76	.72	.70
3.0	.80	.72	.65	.78	.71	.64	.75	.69	.63	.72	.67	.62	.70	.65	.61	.59
4.0	.70	.62	.55	.69	.61	.55	.67	.59	.54	.64	.58	.53	.62	.57	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.60	.52	.46	.58	.51	.46	.56	.50	.45	.43
6.0	.57	.48	.41	.56	.47	.41	.54	.46	.41	.52	.45	.40	.50	.44	.40	.38
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.36	.47	.41	.36	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.39	.33	.28	.27
10.0	.39	.32	.26	.39	.31	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024-10-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.285  
 Humidity: 65.0%  
 Test Distance: 7.690m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:120.6V I:0.1859A P:10.56W PF:0.4711 Lamp Flux:402.004x1 lm						
NAME: MIX-01-16.6-2.5M 3000K			TYPE:		WEIGHT:	
SPEC.:			DIM.:		SERIAL No.:	
MFR.:			SUR.:		PROTECTION ANGLE:	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.300	.171	.054	.293	.167	.053	.280	.160	.051	.267	.154	.049	.256	.149	.048	
2.0	.288	.158	.048	.281	.155	.048	.270	.150	.047	.259	.145	.045	.249	.141	.044	
3.0	.268	.143	.043	.262	.141	.042	.252	.137	.042	.243	.133	.041	.234	.129	.040	
4.0	.248	.129	.038	.243	.127	.038	.234	.124	.037	.226	.121	.037	.218	.118	.036	
5.0	.230	.117	.034	.226	.116	.034	.217	.113	.033	.210	.111	.033	.203	.108	.033	
6.0	.213	.107	.031	.210	.106	.030	.202	.104	.030	.196	.102	.030	.189	.100	.030	
7.0	.199	.098	.028	.195	.097	.028	.189	.095	.027	.183	.094	.027	.177	.092	.027	
8.0	.186	.091	.026	.183	.090	.025	.177	.088	.025	.171	.087	.025	.166	.085	.025	
9.0	.174	.084	.024	.171	.084	.023	.166	.082	.023	.161	.081	.023	.157	.080	.023	
10.0	.164	.078	.022	.161	.078	.022	.157	.077	.022	.152	.076	.021	.148	.074	.021	

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.180	.156	.135	.154	.134	.116	.105	.092	.080	.061	.053	.047	.019	.017	.015	
2.0	.172	.132	.099	.147	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.164	.114	.075	.141	.099	.065	.097	.068	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.134	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.149	.091	.047	.128	.078	.041	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.142	.082	.039	.122	.071	.034	.084	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.135	.075	.033	.116	.065	.029	.080	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.014	.008	.004	
9.0	.123	.065	.025	.106	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.022	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-10-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.285  
 Humidity:65.0%  
 Test Distance:7.690m [K=1.0000]  
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.6V I:0.1859A P:10.56W PF:0.4711 Lamp Flux:402.004x1 lm										
NAME: MIX-01-16.6-2.5M 3000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			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	13.9	15.4	14.2	15.6	15.8	14.0	15.5	14.3	15.7	15.9
3H	15.4	16.8	15.7	17.1	17.3	15.5	16.9	15.8	17.2	17.4
4H	16.0	17.3	16.3	17.6	17.9	16.1	17.4	16.4	17.7	18.0
6H	16.4	17.6	16.7	17.9	18.2	16.2	17.4	16.5	17.7	18.0
8H	16.5	17.7	16.8	18.0	18.3	16.1	17.3	16.5	17.6	17.9
12H	16.5	17.7	16.9	18.0	18.3	16.1	17.2	16.4	17.5	17.8
4H 2H	14.5	15.9	14.8	16.1	16.4	14.6	15.9	14.9	16.2	16.4
3H	16.2	17.4	16.6	17.7	18.0	16.3	17.5	16.7	17.8	18.1
4H	16.9	18.0	17.3	18.3	18.6	17.0	18.1	17.4	18.4	18.7
6H	17.4	18.3	17.8	18.7	19.1	17.1	18.1	17.5	18.4	18.8
8H	17.5	18.4	18.0	18.8	19.2	17.1	17.9	17.5	18.3	18.7
12H	17.6	18.4	18.0	18.8	19.2	17.0	17.8	17.5	18.2	18.6
8H 4H	17.2	18.1	17.6	18.4	18.8	17.3	18.1	17.7	18.5	18.9
6H	17.8	18.5	18.2	18.9	19.3	17.4	18.1	17.9	18.5	19.0
8H	18.0	18.6	18.5	19.1	19.5	17.4	18.0	17.8	18.4	18.9
12H	18.1	18.7	18.6	19.1	19.6	17.3	17.9	17.8	18.3	18.8
12H 4H	17.1	18.0	17.6	18.3	18.7	17.3	18.1	17.7	18.5	18.9
6H	17.8	18.4	18.2	18.8	19.3	17.4	18.1	17.9	18.5	18.9
8H	18.0	18.6	18.5	19.0	19.5	17.4	17.9	17.9	18.4	18.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.3				
1.5H	+ 0.2 / - 0.3					+ 0.1 / - 0.3				
2.0H	+ 0.3 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 402.0 lm Total Lamp Luminous Flux. (8log(F/F0) = -3.2)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-10-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.285  
 Humidity:65.0%  
 Test Distance:7.690m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:120.6V I:0.1859A P:10.56W PF:0.4711 Lamp Flux:402.004x1 lm		
NAME: MIX-01-16.6-2.5M 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

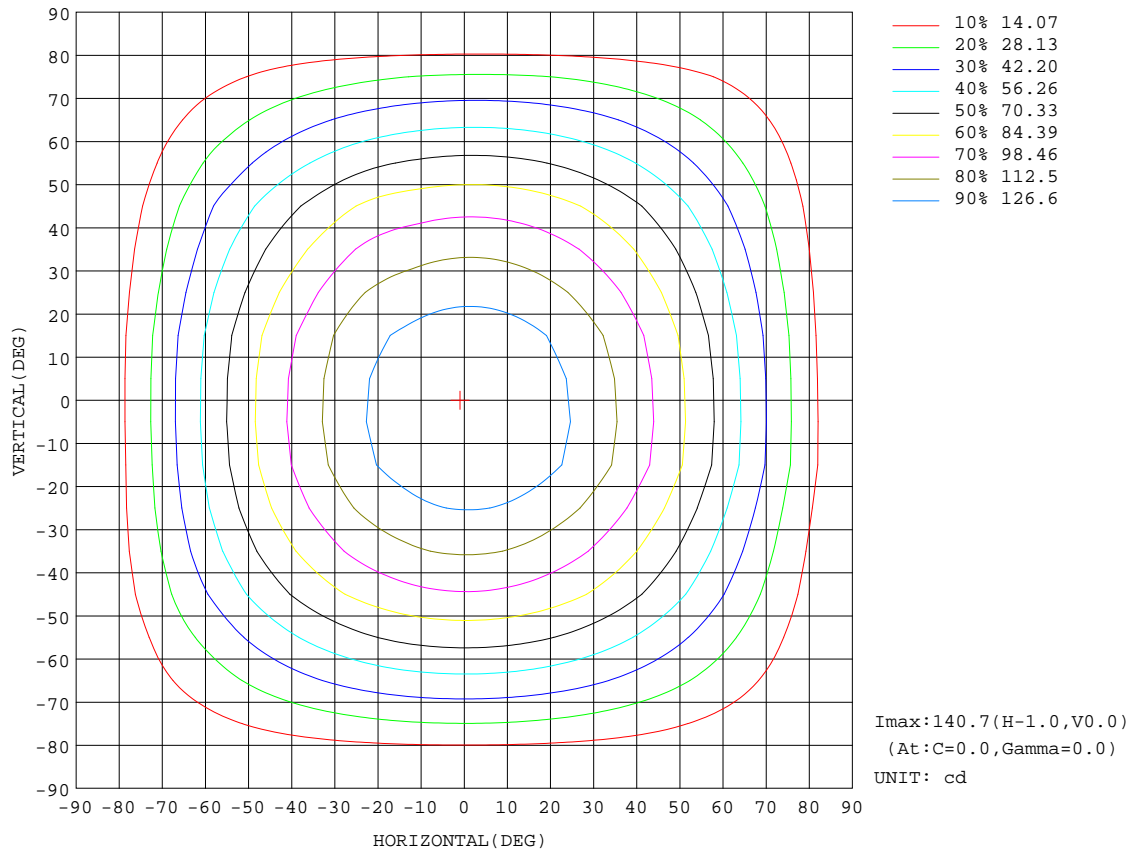
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	48	65	55	48	41
1.00	76	65	58	75	64	57	73	66	57	50
1.25	83	73	66	82	72	65	79	71	64	57
1.50	88	78	72	87	78	71	84	76	70	62
2.00	95	87	80	93	86	80	90	83	78	70
2.50	99	92	86	97	90	85	93	88	83	75
3.00	103	96	90	100	94	89	96	91	87	79
4.00	107	101	97	104	99	95	100	96	93	84
5.00	109	104	100	107	102	99	102	99	96	87
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-10-11

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.285  
 Humidity:65.0%  
 Test Distance:7.690m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.6V I:0.1859A P:10.56W PF:0.4711 Lamp Flux:402.004x1 lm		
NAME: MIX-01-16.6-2.5M 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

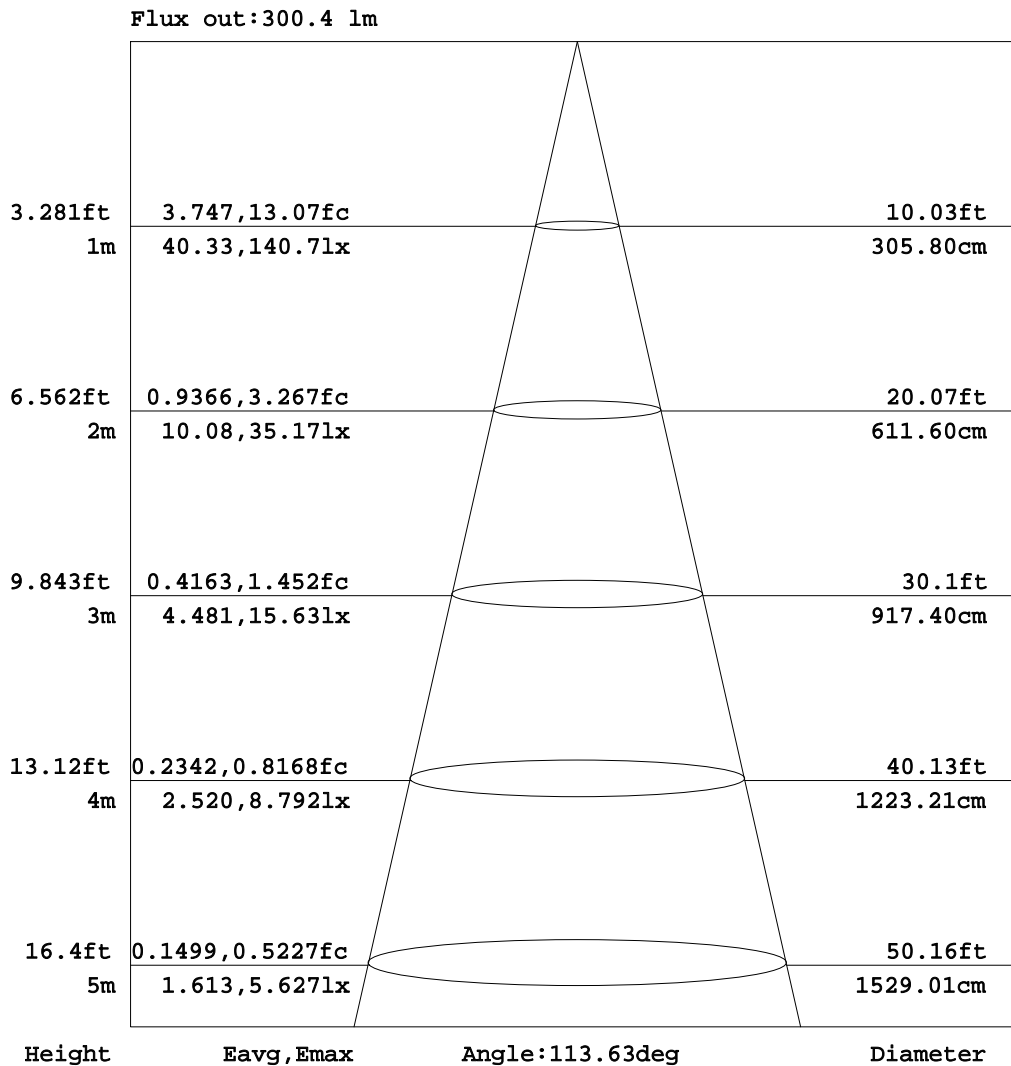


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024-10-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.285  
 Humidity: 65.0%  
 Test Distance: 7.690m [K=1.0000]  
 Remarks:

AAI Figure

Test:U:120.6V I:0.1859A P:10.56W PF:0.4711 Lamp Flux:402.004x1 lm		
NAME: MIX-01-16.6-2.5M 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



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

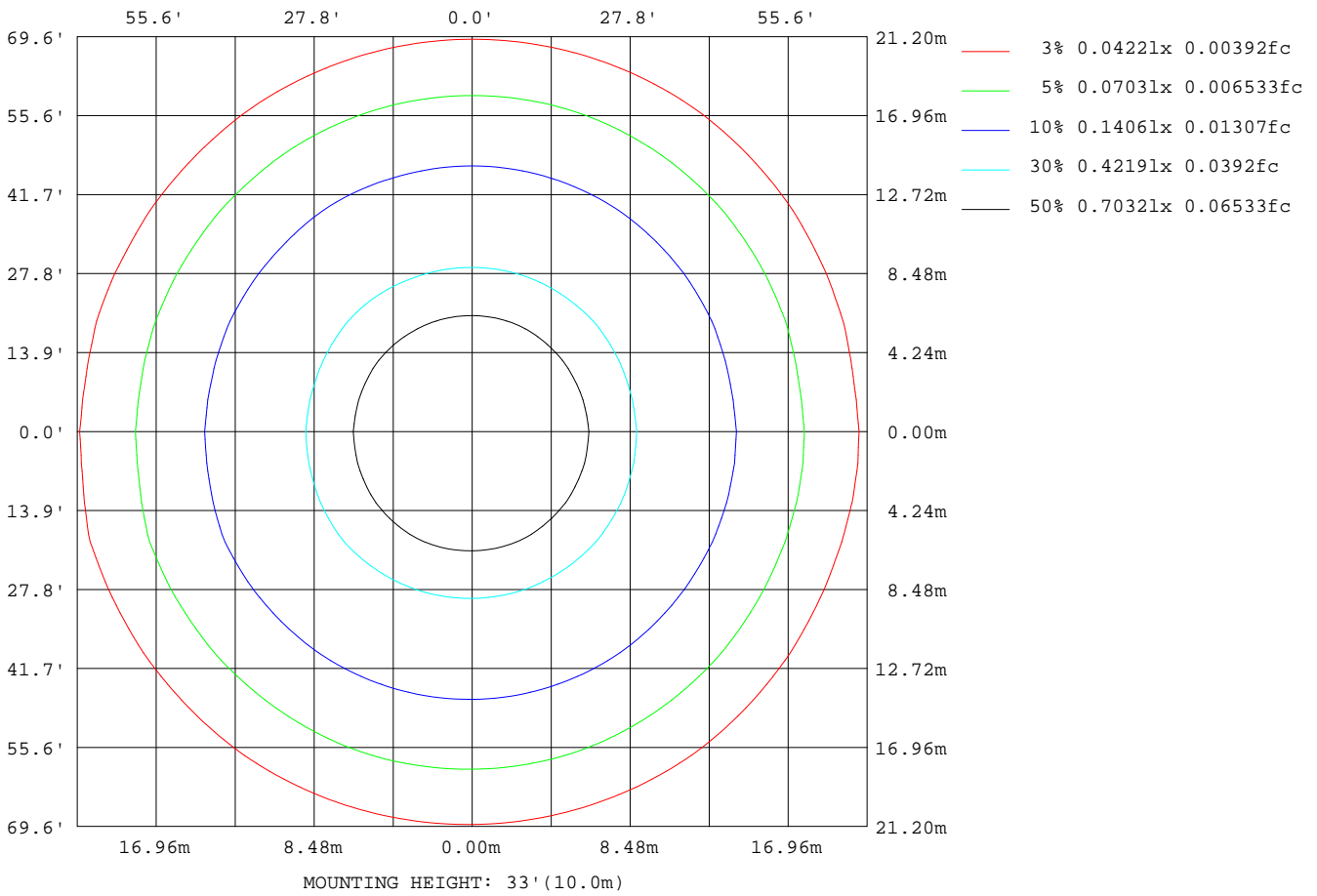
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-10-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.285  
 Humidity:65.0%  
 Test Distance:7.690m [K=1.0000]  
 Remarks:



ISOLUX DIAGRAM

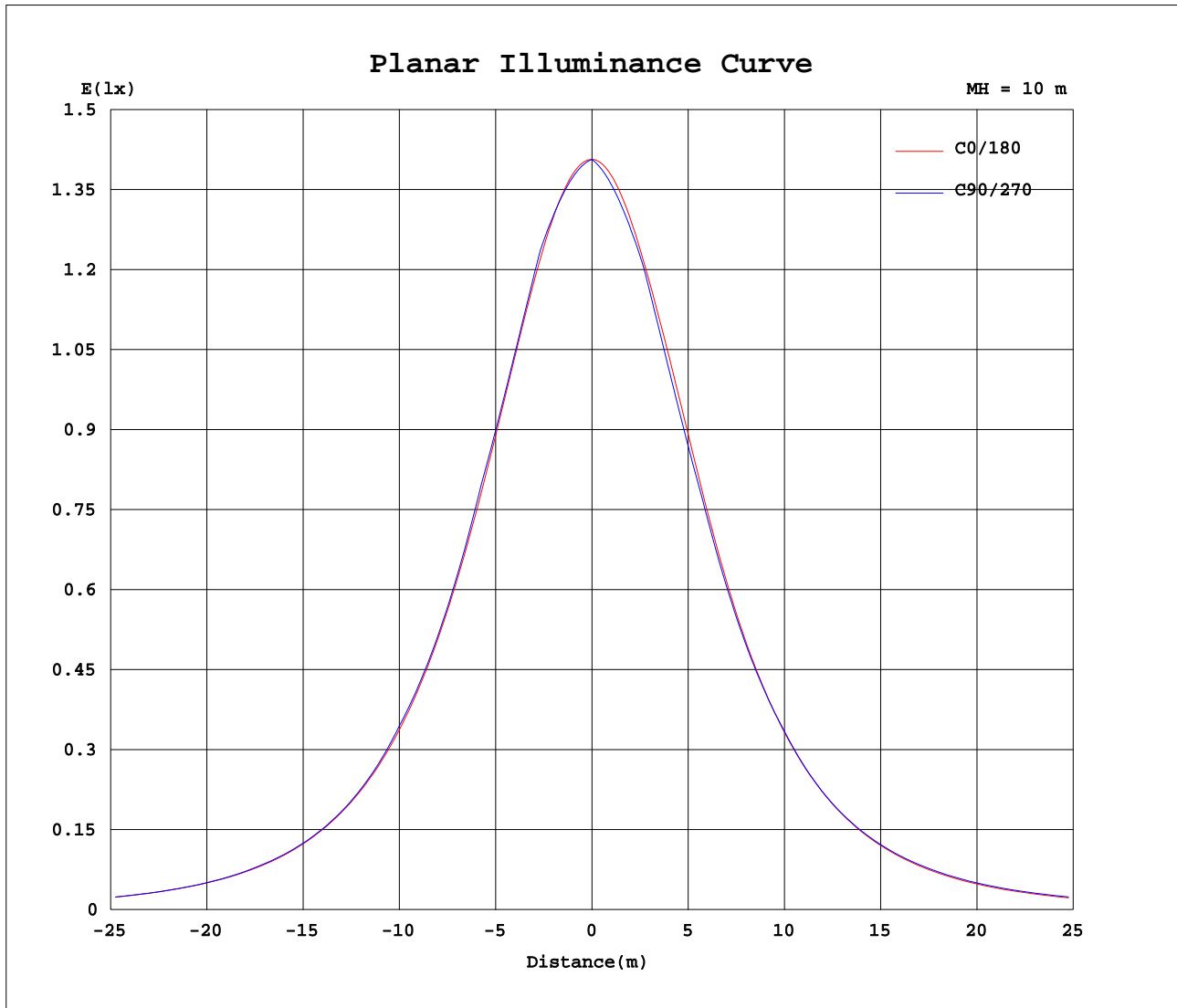
Test:U:120.6V I:0.1859A P:10.56W PF:0.4711 Lamp Flux:402.004x1 lm		
NAME: MIX-01-16.6-2.5M 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024-10-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.285  
 Humidity: 65.0%  
 Test Distance: 7.690m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators:  
 Test Date: 2024-10-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System: EVERFINE GO-2000A\_V1 SYSTEM V2.0.285  
 Humidity: 65.0%  
 Test Distance: 7.690m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.6V I:0.1859A P:10.56W PF:0.4711 Lamp Flux:402.004x1 lm		
NAME: MIX-01-16.6-2.5M 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C( DEG) γ (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141
5	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140	140
10	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138
15	135	135	135	135	135	135	135	135	135	136	136	136	136	137	137	137	137	137	137
20	131	131	131	131	131	131	131	132	132	133	133	133	133	132	132	132	132	132	132
25	126	126	126	126	126	126	127	128	127	127	127	127	127	127	127	127	127	127	127
30	120	119	119	120	120	121	121	121	120	120	120	121	121	121	121	122	122	122	122
35	113	112	112	113	114	114	113	113	113	113	114	114	114	114	114	114	114	114	114
40	104	104	104	105	106	105	105	105	105	105	105	105	105	105	105	105	105	106	106
45	95.5	95.1	95.5	96.6	95.9	95.4	95.6	96.1	95.8	95.6	95.7	95.8	96.1	96.4	96.7	96.9	97.2	97.4	97.5
50	85.7	85.4	86.0	86.3	85.5	85.5	85.8	85.4	85.4	85.7	86.1	86.6	86.7	86.6	86.5	86.5	86.6	86.6	86.7
55	75.2	75.0	76.0	75.1	74.7	74.9	74.5	74.6	75.1	75.6	75.4	75.4	75.4	75.5	75.6	75.7	75.8	75.9	75.9
60	64.1	64.0	64.5	63.4	63.4	63.0	63.2	63.9	63.7	63.7	63.8	64.0	64.2	64.4	64.6	64.8	65.0	65.1	65.2
65	52.4	52.5	52.0	51.4	51.0	51.3	51.6	51.5	51.7	51.9	52.3	52.6	52.6	52.6	52.6	52.6	52.7	52.7	52.8
70	40.3	40.7	39.2	38.7	39.0	39.1	39.2	39.5	39.8	39.9	39.9	40.0	40.1	40.1	40.2	40.2	40.3	40.3	40.4
75	28.0	27.9	26.4	26.5	26.6	26.9	27.2	27.3	27.4	27.5	27.5	27.6	27.6	27.7	27.8	27.8	27.9	27.9	28.0
80	16.5	15.2	14.9	14.9	15.3	15.4	15.5	15.5	15.4	13.7	11.3	9.03	6.87	4.90	3.21	1.83	0.83	0.21	0.00
85	3.30	5.87	5.46	5.60	5.03	2.64	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.39	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-10-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.285  
 Humidity:65.0%  
 Test Distance:7.690m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.6V I:0.1859A P:10.56W PF:0.4711 Lamp Flux:402.004x1 lm		
NAME: MIX-01-16.6-2.5M 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C( DEG) γ (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	
0	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	
5	140	140	139	139	139	139	139	139	139	140	140	140	140	140	140	140	140	140	140	
10	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	138	
15	137	137	137	137	136	136	136	136	135	135	135	135	134	134	134	135	135	135	134	
20	132	132	132	132	132	132	132	133	132	132	131	131	131	131	131	131	131	131	131	
25	127	127	127	127	127	127	127	127	127	127	128	127	126	126	126	126	126	126	126	
30	122	122	122	122	121	121	121	121	121	121	121	121	121	120	120	119	119	120	119	
35	114	114	114	114	114	115	115	115	114	114	113	113	113	113	112	111	111	112	111	
40	106	106	106	106	106	106	106	106	107	106	105	105	104	104	104	103	103	103	102	
45	97.5	97.5	97.4	97.3	97.1	97.1	97.0	96.9	96.8	96.9	97.3	96.2	95.5	95.1	95.1	94.0	93.6	94.0	93.0	
50	86.8	86.9	87.0	87.2	87.4	87.6	87.7	87.3	86.9	86.8	86.8	87.2	86.3	85.4	85.1	84.3	83.7	84.1	83.1	
55	76.0	76.1	76.2	76.2	76.3	76.3	76.4	76.7	77.0	76.6	76.2	76.1	76.4	75.4	74.4	74.1	73.1	73.4	72.5	
60	65.3	65.3	65.3	65.3	65.2	65.0	65.0	64.9	65.0	65.2	65.6	64.9	64.6	65.0	63.5	62.8	61.8	62.1	61.3	
65	52.9	53.0	53.1	53.2	53.3	53.4	53.5	53.3	53.1	53.0	53.0	53.3	52.9	52.6	52.8	51.0	50.0	50.1	49.5	
70	40.4	40.5	40.6	40.7	40.7	40.8	40.8	40.9	40.9	41.0	40.8	40.5	40.6	41.1	40.5	39.3	37.9	37.7	37.5	
75	28.0	28.1	28.2	28.2	28.2	28.3	28.3	28.4	28.4	28.4	28.4	28.3	28.2	28.6	28.5	27.6	25.7	25.2	25.0	
80	0.21	0.83	1.86	3.26	5.01	7.05	9.33	11.8	14.3	16.2	16.3	16.4	16.4	16.5	16.3	16.3	14.9	13.5	13.4	
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	2.86	5.52	6.07	5.98	5.99	3.36	4.10
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.19	0.00	

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-10-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.285  
 Humidity:65.0%  
 Test Distance:7.690m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.6V I:0.1859A P:10.56W PF:0.4711 Lamp Flux:402.004x1 lm		
NAME: MIX-01-16.6-2.5M 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

C( DEG) γ (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141
5	140	139	139	139	139	139	139	139	139	139	138	138	138	138	138	138	138	138	138
10	137	137	137	137	136	136	136	136	136	136	136	136	136	136	136	136	136	136	136
15	134	134	133	133	133	133	133	133	133	133	133	133	134	134	134	134	134	134	134
20	130	130	129	129	129	129	129	129	129	129	129	129	129	128	128	128	128	129	129
25	125	125	125	125	125	125	124	124	123	123	123	123	123	123	123	123	123	123	123
30	119	118	119	119	119	119	118	118	118	117	117	117	117	117	118	118	118	118	118
35	110	111	111	111	111	111	111	111	111	111	111	110	110	110	110	110	110	110	110
40	102	102	102	102	102	102	103	104	104	103	103	102	102	102	102	102	102	102	102
45	92.8	93.3	92.7	92.4	92.7	93.5	93.5	93.7	94.1	94.5	94.7	94.5	94.3	94.2	94.4	94.5	94.6	94.7	94.6
50	83.2	83.2	82.8	83.0	83.4	83.1	83.2	83.8	84.6	85.4	85.7	85.2	84.7	84.3	84.3	84.3	84.4	84.5	84.6
55	72.9	72.4	72.4	72.8	72.6	72.8	73.3	73.9	74.0	74.2	74.3	74.3	74.0	73.9	73.9	74.1	74.2	74.2	74.3
60	61.6	61.2	61.7	61.5	61.9	62.6	62.4	62.3	62.4	62.7	63.0	63.2	63.3	63.4	63.6	63.8	63.9	64.0	64.1
65	49.4	49.7	50.2	50.5	50.6	50.5	50.6	50.8	51.1	51.5	51.7	51.8	51.9	52.1	52.3	52.4	52.5	52.6	52.7
70	37.1	37.3	38.1	38.7	38.3	38.5	39.0	39.3	39.5	39.7	40.0	40.2	40.4	40.6	40.8	41.0	41.1	41.2	41.3
75	25.0	25.5	25.6	26.2	26.4	26.8	27.2	27.6	27.9	28.1	28.4	28.7	28.9	29.1	29.3	29.5	29.7	29.8	29.9
80	13.7	13.9	14.3	14.9	15.2	15.5	15.8	14.2	11.8	9.44	7.19	5.14	3.37	1.93	0.87	0.22	0.00	0.22	0.89
85	4.55	4.98	4.69	2.57	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-10-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.285  
 Humidity:65.0%  
 Test Distance:7.690m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.6V I:0.1859A P:10.56W PF:0.4711 Lamp Flux:402.004x1 lm		
NAME: MIX-01-16.6-2.5M 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

C( DEG) γ (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	141	141	141	141	141	141	141	141	141	141	141	141	141	141	141				
5	138	138	139	139	139	139	139	139	139	139	139	139	140	140	140				
10	136	136	136	136	136	136	136	136	137	137	137	137	137	138	138				
15	134	134	134	133	133	133	133	133	133	133	134	134	134	134	135				
20	129	129	129	129	129	130	130	129	129	129	129	129	130	130	131				
25	123	123	123	123	123	124	124	124	125	124	124	124	124	125	125				
30	118	118	118	117	117	117	117	117	118	118	118	118	118	118	119				
35	110	110	111	111	111	111	110	110	110	111	111	111	111	111	112				
40	102	102	102	102	103	103	103	103	102	102	103	103	103	103	103				
45	94.5	94.4	94.2	94.0	93.9	93.8	93.9	94.0	94.4	93.9	93.6	93.9	94.5	94.1	94.4				
50	84.7	84.8	85.0	85.3	85.3	84.9	84.6	84.4	84.4	84.8	84.3	84.1	84.5	84.5	84.6				
55	74.4	74.4	74.5	74.6	74.7	74.9	75.2	74.8	74.3	74.2	74.5	74.0	73.9	74.4	74.2				
60	64.1	64.1	64.0	64.0	63.9	63.9	63.9	64.0	64.3	63.6	63.3	63.6	63.0	63.2	63.1				
65	52.8	52.9	53.0	53.1	53.1	52.9	52.7	52.5	52.5	52.6	52.3	51.8	51.9	51.5	51.6				
70	41.4	41.5	41.5	41.5	41.5	41.4	41.3	41.3	41.0	40.7	40.6	40.4	39.9	39.7	39.8				
75	30.0	30.1	30.1	30.0	30.0	29.9	29.7	29.6	29.4	29.2	28.8	28.5	28.3	27.9	27.6				
80	1.99	3.52	5.43	7.69	10.3	13.0	16.0	18.3	18.2	18.0	17.8	17.4	17.0	16.7	16.1				
85	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	3.48	6.96	7.58	7.28	5.13			
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:  
 Test Date:2024-10-11

γ Range: 0 - 90DEG  
 γ Interval: 0.5DEG  
 Test System:EVERFINE GO-2000A\_V1 SYSTEM V2.0.285  
 Humidity:65.0%  
 Test Distance:7.690m [K=1.0000]  
 Remarks: