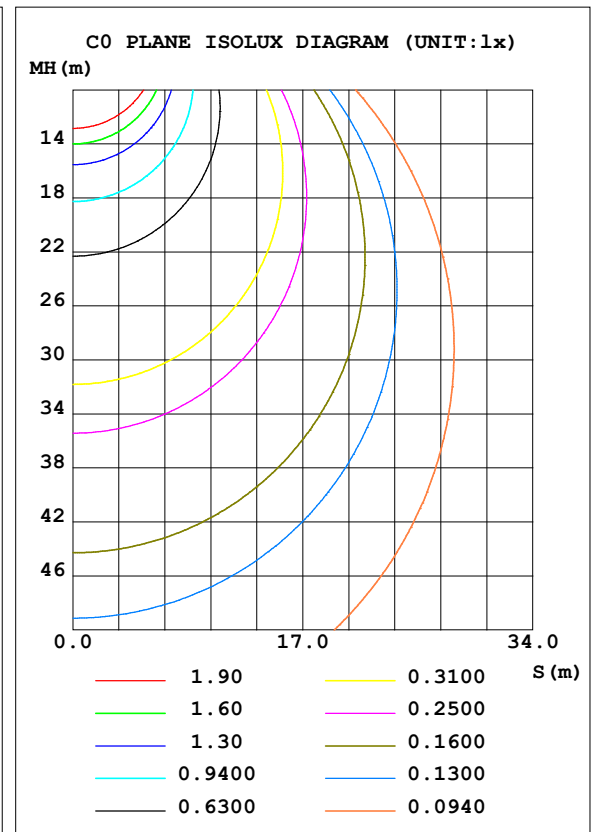
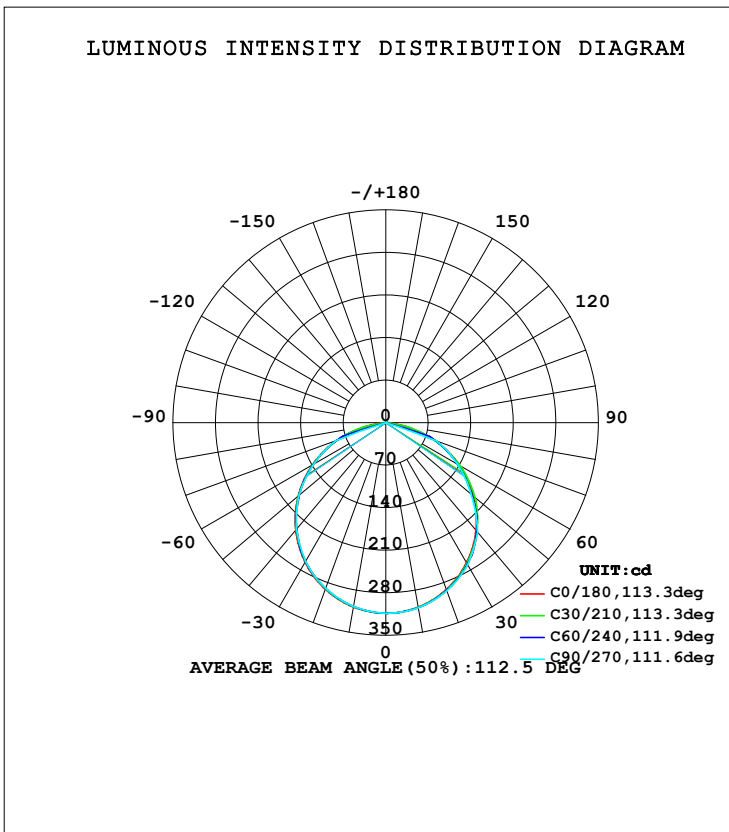


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.4V I:0.0464A P:9.662W PF:0.9037 Lamp Flux:861.427x1 lm		
NAME: PANEL	TYPE:PRO3CO-10NL-R180-542835-WEIGHT:2.19	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 89.16 lm/W			
MODEL		I _{max} (cd)	313.8	S/MH (C0/180)	1.26
NOMINAL POWER (W)	10	LOR (%)	100.0	S/MH (C90/270)	1.27
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	861.43	η UP, DN (C0-180)	0.0, 50.3
NOMINAL FLUX (lm)	861.427	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 49.7
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	230.6	η down (%)	100.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2015-12-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity: 65.0%
 Test Distance: 10.500m [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	312.3	312.5	312.8	312.6	312.2	311.8	311.6	311.7	0- 5	7.481	7.481	0.87,0.87
10	308.2	308.9	309.3	308.7	308.0	307.2	306.9	307.3	5- 10	22.19	29.67	3.44,3.44
15	301.4	302.5	302.8	302.4	301.0	299.9	299.6	300.0	10- 15	36.14	65.80	7.64,7.64
20	292.0	293.3	294.2	293.3	291.6	290.3	289.9	290.3	15- 20	48.87	114.7	13.3,13.3
25	280.0	282.0	283.2	281.9	279.8	278.1	278.1	278.2	20- 25	59.99	174.7	20.3,20.3
30	265.9	268.2	270.1	268.1	265.5	263.8	263.9	263.6	25- 30	69.13	243.8	28.3,28.3
35	249.6	252.4	252.6	252.4	249.2	247.8	246.2	247.2	30- 35	75.95	319.7	37.1,37.1
40	231.1	234.5	235.0	234.2	230.8	228.8	228.6	229.0	35- 40	80.19	399.9	46.4,46.4
45	210.9	212.4	209.3	212.9	210.5	207.9	207.5	207.9	40- 45	81.71	481.6	55.9,55.9
50	188.9	190.5	183.5	192.1	188.4	186.6	186.4	186.7	45- 50	80.27	561.9	65.2,65.2
55	165.2	163.5	159.9	163.8	164.7	162.4	161.5	162.6	50- 55	76.19	638.1	74.1,74.1
60	140.1	136.6	136.3	135.9	139.8	138.0	136.6	138.1	55- 60	69.58	707.7	82.2,82.2
65	113.8	111.0	112.7	110.4	113.6	111.3	111.8	111.2	60- 65	60.81	768.5	89.2,89.2
70	86.80	85.83	89.06	85.25	86.51	85.05	86.90	84.95	65- 70	50.28	818.8	95,95
75	56.41	61.12	0	60.69	56.61	59.42	0	59.18	70- 75	29.73	848.5	98.5,98.5
80	27.23	0	0	0	27.70	0	0	0	75- 80	10.65	859.1	99.7,99.7
85	1.994	0	0	0	2.133	0	0	0	80- 85	2.218	861.4	100,100
90	0.4887	0	0	0	0.2600	0	0	0	85- 90	0.0638	861.4	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			

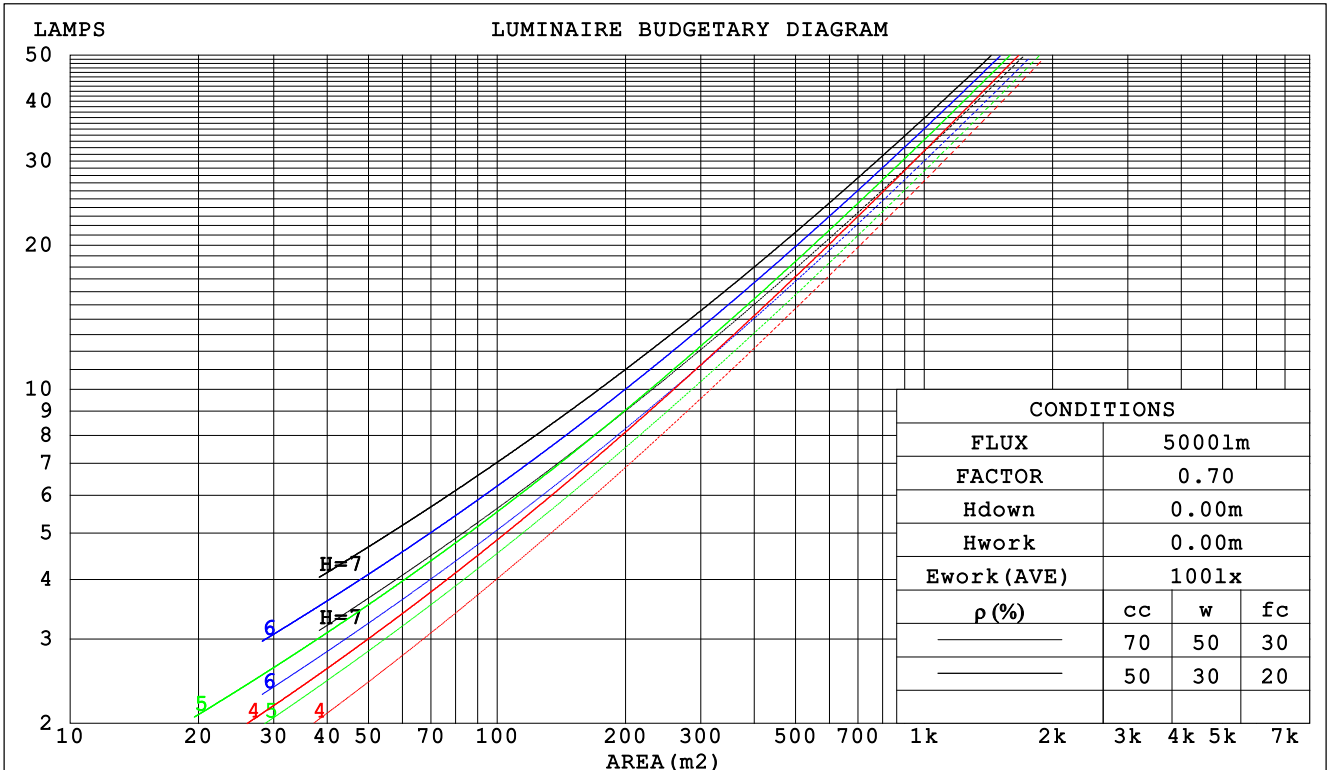
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2015-12-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 γ Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:65.0%
 Test Distance:10.500m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.4V I:0.0464A P:9.662W PF:0.9037 Lamp Flux:861.427x1 lm		
NAME: PANEL	TYPE:PRO3CO-10NL-R180-542835-WEIGHT:2.19	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	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						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	1.00
1.0	1.05	1.01	.98	1.03	.99	.96	.99	.96	.93	.95	.93	.90	.91	.89	.88	.86
2.0	.92	.86	.80	.90	.84	.79	.87	.82	.77	.84	.79	.76	.81	.77	.74	.72
3.0	.81	.73	.67	.79	.72	.66	.77	.70	.65	.74	.68	.64	.71	.67	.63	.61
4.0	.72	.63	.57	.70	.62	.56	.68	.61	.55	.66	.60	.55	.64	.58	.54	.52
5.0	.64	.55	.49	.63	.55	.48	.61	.54	.48	.59	.52	.47	.57	.51	.47	.45
6.0	.58	.49	.43	.57	.48	.42	.55	.48	.42	.53	.47	.42	.52	.46	.41	.39
7.0	.52	.44	.38	.51	.43	.37	.50	.43	.37	.48	.42	.37	.47	.41	.37	.35
8.0	.48	.39	.33	.47	.39	.33	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.30	.28
10.0	.40	.32	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2015-12-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:65.0%
 Test Distance:10.500m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.4V I:0.0464A P:9.662W PF:0.9037 Lamp Flux:861.427x1 lm		
NAME: PANEL	TYPE:PRO3CO-10NL-R180-542835-WEIGHT2.19	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	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	.283	.161	.051	.276	.157	.050	.263	.151	.048	.251	.145	.046	.240	.139	.045	
2.0	.275	.151	.046	.269	.148	.046	.258	.143	.045	.247	.139	.043	.237	.134	.042	
3.0	.259	.138	.041	.254	.136	.041	.244	.132	.040	.234	.128	.039	.225	.125	.039	
4.0	.242	.126	.037	.237	.124	.037	.228	.121	.036	.219	.118	.036	.212	.115	.035	
5.0	.225	.115	.033	.221	.113	.033	.213	.111	.033	.205	.108	.032	.198	.106	.032	
6.0	.210	.105	.030	.206	.104	.030	.199	.102	.030	.192	.100	.029	.186	.098	.029	
7.0	.196	.097	.027	.192	.096	.027	.186	.094	.027	.180	.092	.027	.174	.091	.027	
8.0	.183	.090	.025	.180	.089	.025	.175	.087	.025	.169	.086	.025	.164	.084	.025	
9.0	.172	.083	.023	.169	.083	.023	.164	.081	.023	.159	.080	.023	.155	.079	.023	
10.0	.162	.078	.022	.160	.077	.022	.155	.076	.021	.151	.075	.021	.146	.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	.178	.156	.136	.153	.134	.117	.104	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.170	.132	.100	.146	.114	.086	.100	.079	.060	.058	.046	.035	.018	.015	.012	
3.0	.162	.114	.076	.139	.099	.066	.096	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.155	.101	.059	.133	.087	.052	.091	.061	.036	.053	.036	.022	.017	.012	.007	
5.0	.148	.090	.048	.127	.078	.042	.087	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.141	.082	.040	.121	.071	.035	.084	.050	.024	.048	.029	.015	.016	.010	.005	
7.0	.134	.075	.034	.116	.065	.029	.080	.046	.021	.046	.027	.012	.015	.009	.004	
8.0	.128	.069	.029	.110	.060	.025	.076	.042	.018	.044	.025	.011	.014	.008	.004	
9.0	.122	.064	.025	.105	.056	.022	.073	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.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:QC
 Test Date:2015-12-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:65.0%
 Test Distance:10.500m [K=1.0000]
 Remarks:

Uncorrected UGR Table

Test:U:230.4V I:0.0464A P:9.662W PF:0.9037 Lamp Flux:861.427x1 lm										
NAME: PANEL					TYPE:PRO3CO-10NL-R180-542835-WEIGHT2.19					
SPEC.:					DIM.:			SERIAL No.:		
MFR.: EVERFINE					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	12.3	13.8	12.6	14.0	14.2	12.2	13.6	12.4	13.8	14.1
3H	13.9	15.2	14.2	15.5	15.7	13.6	15.0	13.9	15.2	15.4
4H	14.4	15.7	14.7	16.0	16.2	13.5	14.8	13.8	15.0	15.3
6H	14.7	15.9	15.0	16.2	16.4	13.4	14.6	13.7	14.9	15.1
8H	14.7	15.9	15.0	16.2	16.4	13.3	14.5	13.7	14.8	15.1
12H	14.7	15.8	15.0	16.1	16.4	13.3	14.4	13.6	14.7	15.0
4H 2H	12.9	14.2	13.2	14.5	14.7	12.8	14.1	13.1	14.3	14.6
3H	14.6	15.7	15.0	16.0	16.3	14.4	15.5	14.7	15.8	16.1
4H	15.3	16.3	15.6	16.6	16.9	14.3	15.3	14.7	15.6	16.0
6H	15.6	16.6	16.0	16.9	17.3	14.2	15.1	14.6	15.4	15.8
8H	15.7	16.5	16.1	16.9	17.3	14.1	15.0	14.6	15.4	15.7
12H	15.7	16.4	16.1	16.8	17.2	14.1	14.9	14.5	15.3	15.7
8H 4H	15.4	16.2	15.8	16.6	17.0	14.4	15.3	14.8	15.6	16.0
6H	15.8	16.5	16.3	16.9	17.4	14.4	15.0	14.8	15.5	15.9
8H	15.9	16.5	16.4	17.0	17.4	14.3	14.9	14.8	15.3	15.8
12H	15.9	16.4	16.4	16.9	17.4	14.3	14.8	14.8	15.2	15.7
12H 4H	15.4	16.1	15.8	16.5	16.9	14.4	15.2	14.8	15.6	16.0
6H	15.8	16.4	16.3	16.8	17.3	14.3	14.9	14.8	15.4	15.8
8H	15.9	16.4	16.4	16.9	17.3	14.3	14.8	14.8	15.3	15.7
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.4				
1.5H	+ 0.3 / - 0.6					+ 0.4 / - 0.7				
2.0H	+ 0.3 / - 0.5					+ 0.6 / - 1.2				

CIE Pub.117 Corrected 861.4 lm Total Lamp Luminous Flux. (8log(F/F0) = -0.5)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2015-12-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:65.0%
 Test Distance:10.500m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.4V I:0.0464A P:9.662W PF:0.9037 Lamp Flux:861.427x1 lm		
NAME: PANEL	TYPE:PRO3CO-10NL-R180-542835-WEIGHT:2.19	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

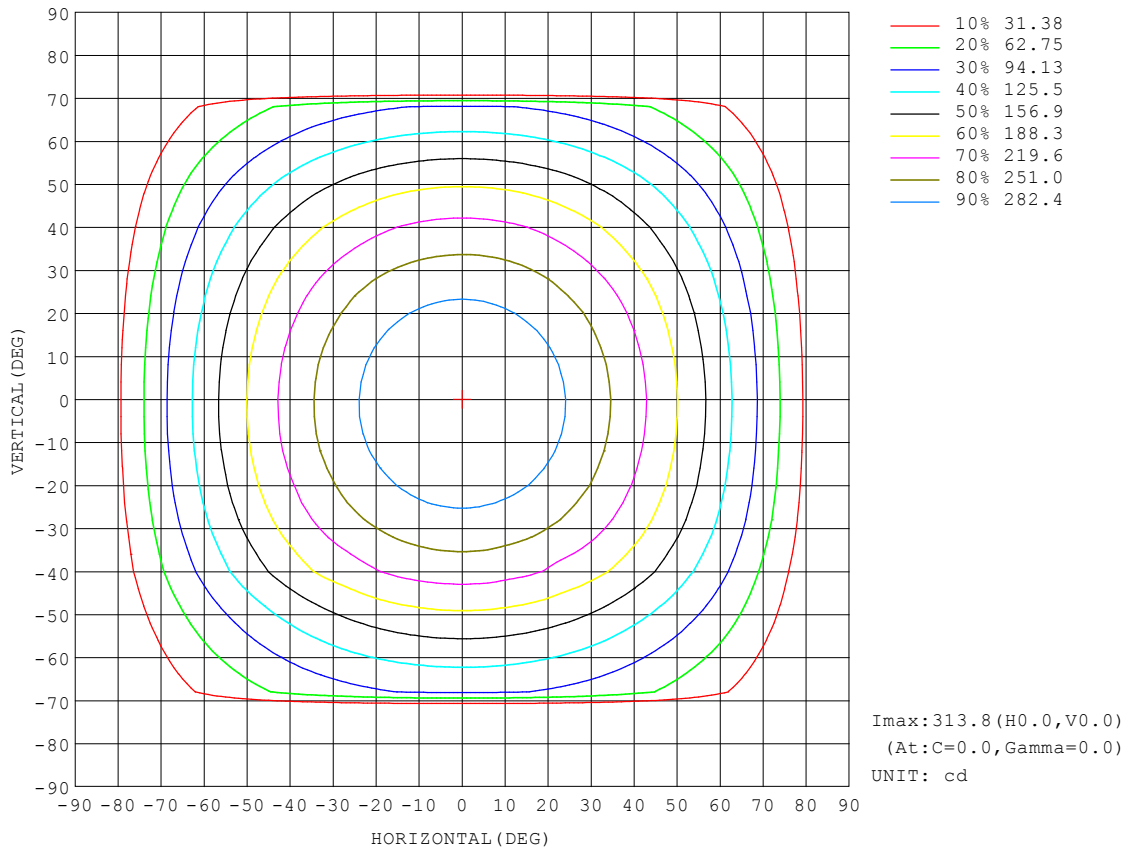
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	47	40	58	47	40	56	46	40	33
0.80	69	57	50	68	57	50	66	56	49	43
1.00	77	66	59	76	66	59	74	67	59	52
1.25	84	74	67	83	74	67	80	72	66	59
1.50	90	80	73	88	79	73	85	77	72	64
2.00	96	88	82	95	87	81	91	85	80	72
2.50	100	93	87	98	92	86	94	89	84	76
3.00	104	97	92	101	96	91	97	93	89	81
4.00	107	102	98	105	100	97	101	97	94	85
5.00	110	105	102	107	103	100	103	100	97	88
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:QC
 Test Date:2015-12-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:65.0%
 Test Distance:10.500m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.4V I:0.0464A P:9.662W PF:0.9037 Lamp Flux:861.427x1 lm		
NAME: PANEL	TYPE:PR03CO-10NL-R180-542835-001818T2.19	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

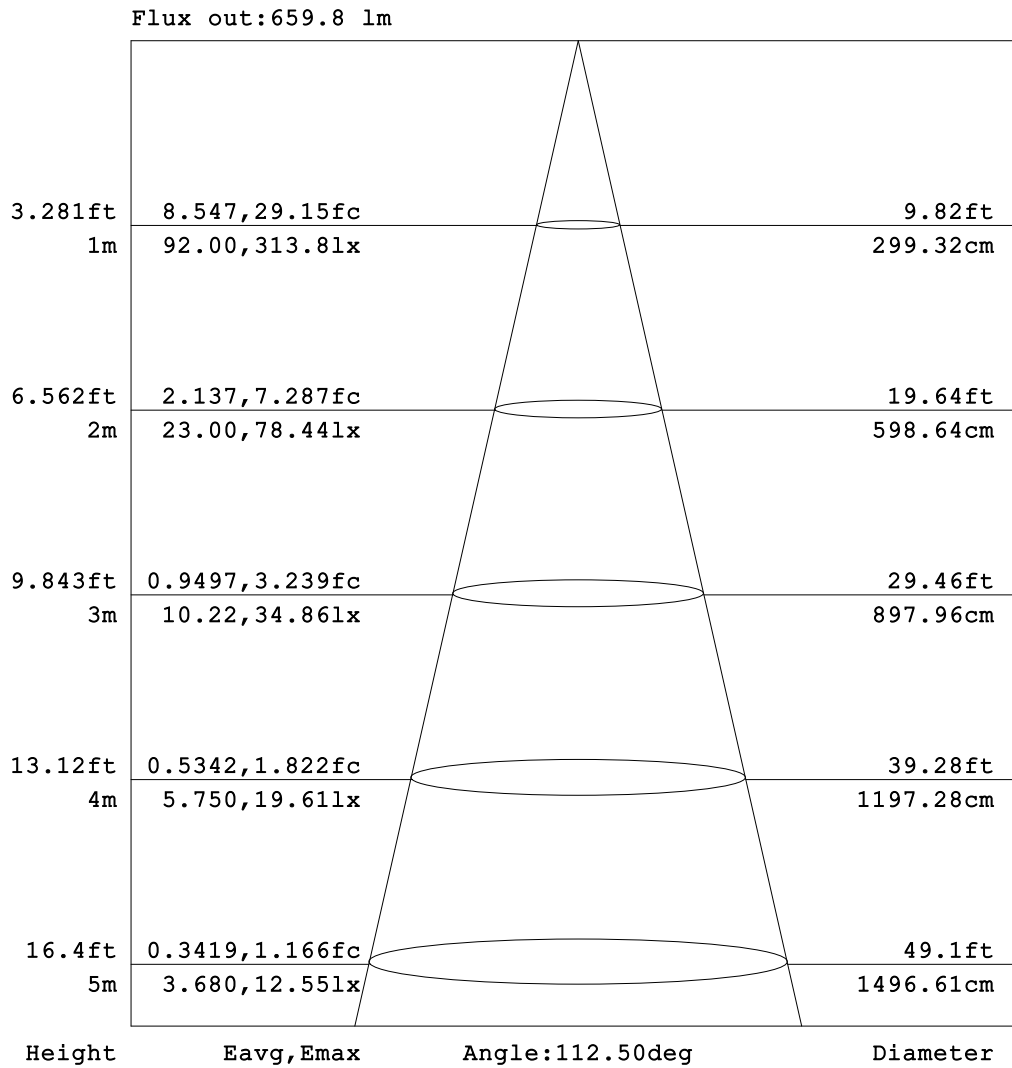


C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2015-12-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity: 65.0%
 Test Distance: 10.500m [K=1.0000]
 Remarks:

AAI Figure

Test:U:230.4V I:0.0464A P:9.662W PF:0.9037 Lamp Flux:861.427x1 lm		
NAME: PANEL	TYPE:PR03CO-10NL-R180-542835-WEIGHT:2.19	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



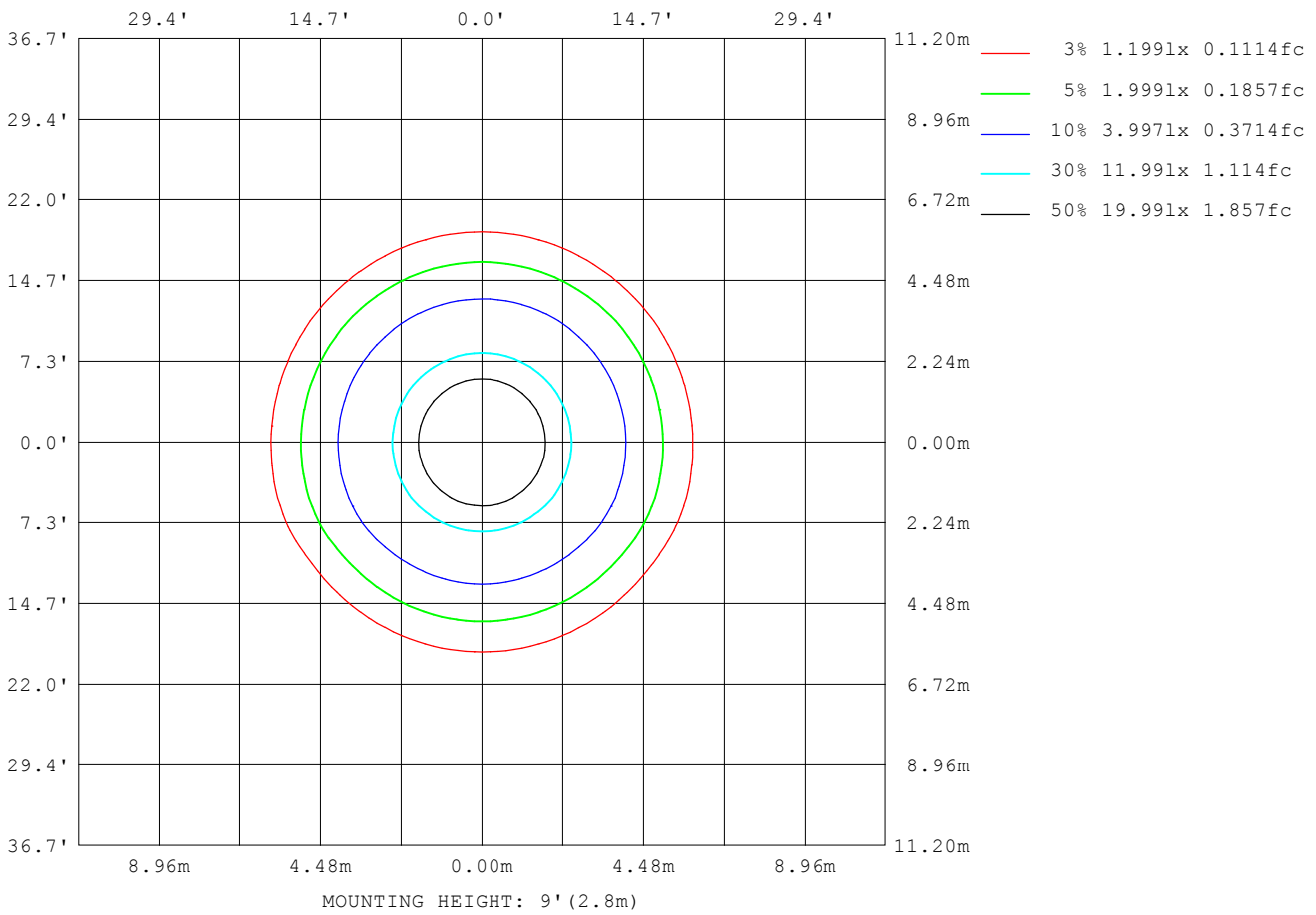
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2015-12-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:65.0%
 Test Distance:10.500m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

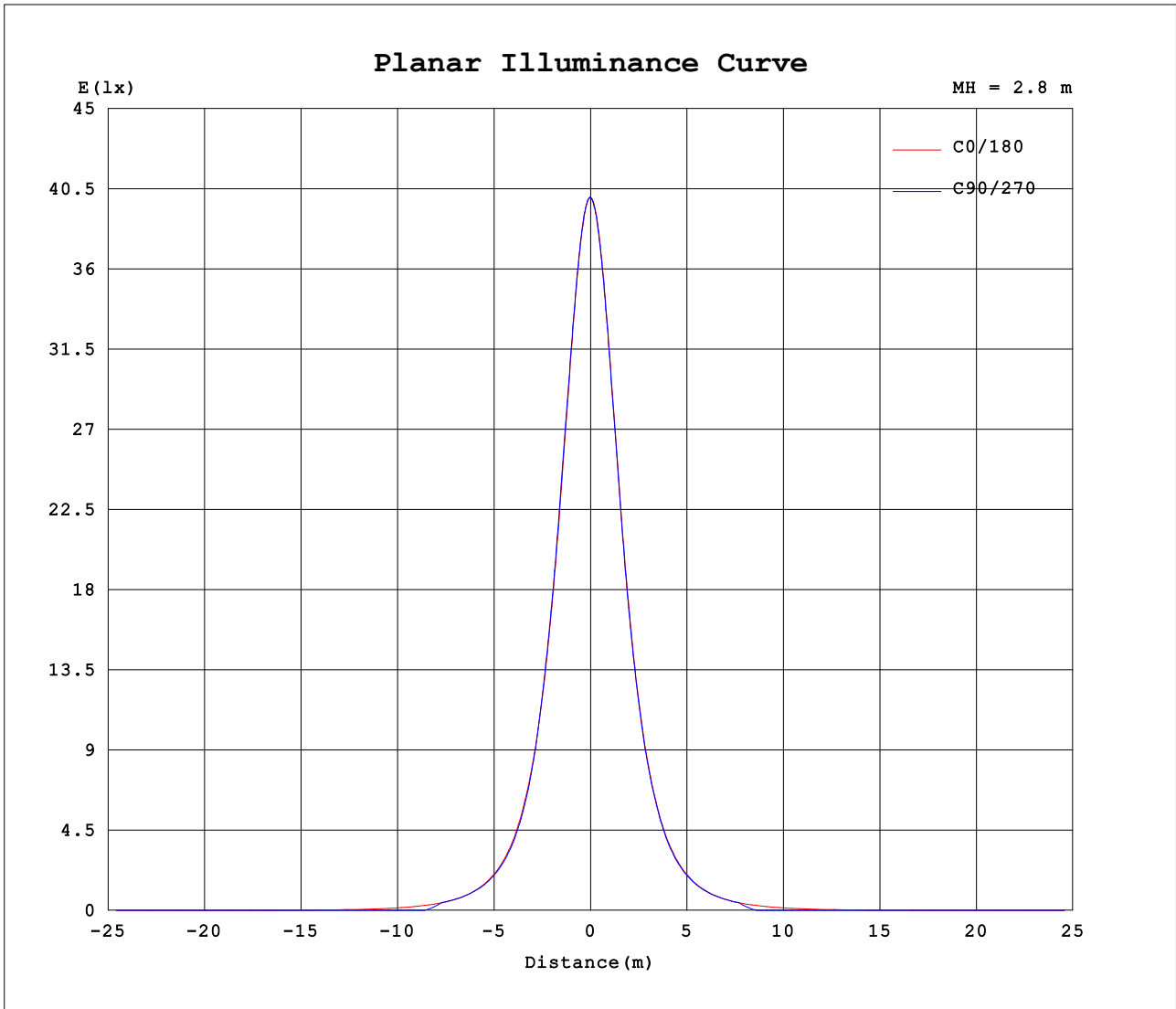
Test:U:230.4V I:0.0464A P:9.662W PF:0.9037 Lamp Flux:861.427x1 lm		
NAME: PANEL	TYPE:PR03CO-10NL-R180-542835-WEIGHT:2.19	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2015-12-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:65.0%
 Test Distance:10.500m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 2015-12-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity: 65.0%
 Test Distance: 10.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.4V I:0.0464A P:9.662W PF:0.9037 Lamp Flux:861.427x1 lm		
NAME: PANEL	TYPE:PRO3CO-10NL-R180-542835-001812.19	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	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	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314
5	312	312	312	312	312	312	312	312	312	313	313	313	313	313	313	313	313	313	313
10	308	308	308	308	308	309	309	309	309	309	309	309	309	309	309	309	309	309	309
15	301	301	301	302	302	302	302	302	302	302	303	303	303	303	303	303	303	303	303
20	292	292	292	292	293	293	293	293	293	293	293	294	294	294	294	294	294	294	294
25	280	280	280	281	281	281	281	282	282	282	282	282	282	283	283	283	283	283	283
30	266	266	266	267	267	267	267	268	268	268	268	269	269	269	270	270	270	270	270
35	250	250	250	251	251	251	252	252	252	252	253	253	253	253	252	252	252	252	253
40	231	231	232	232	233	233	233	234	234	235	233	232	233	234	233	233	234	235	235
45	211	211	212	212	212	213	213	214	213	212	212	211	211	211	210	209	209	209	209
50	189	189	190	190	191	191	192	191	191	190	188	187	185	185	185	184	184	184	184
55	165	165	166	167	167	168	167	167	165	163	162	161	161	160	160	160	160	160	160
60	140	140	141	142	142	141	141	139	138	137	136	136	136	136	136	136	136	136	136
65	114	114	115	116	115	114	113	112	111	111	111	112	112	112	112	112	113	113	113
70	86.8	87.2	87.9	87.4	86.8	85.8	84.9	84.9	85.1	85.8	86.4	87.1	87.6	88.1	88.5	88.8	88.9	89.0	89.1
75	56.4	56.8	57.3	56.7	56.9	57.4	57.7	58.6	59.9	61.1	41.4	3.98	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	27.2	27.8	27.4	27.8	28.8	30.1	23.4	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
85	1.99	2.22	4.70	1.35	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	0.49	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:QC
 Test Date:2015-12-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:65.0%
 Test Distance:10.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.4V I:0.0464A P:9.662W PF:0.9037 Lamp Flux:861.427x1 lm		
NAME: PANEL	TYPE:PRO3CO-10NL-R180-542835-001812.19	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	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	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314
5	313	313	313	313	313	313	313	313	313	313	313	312	312	312	312	312	312	312	312
10	309	309	309	309	309	309	309	309	309	309	309	308	308	308	308	308	308	308	308
15	303	303	303	303	303	303	302	302	302	302	302	302	302	302	301	301	301	301	301
20	294	294	294	294	294	294	293	293	293	293	293	293	293	292	292	292	292	292	291
25	283	283	283	283	283	282	282	282	282	282	281	281	281	281	280	280	280	280	280
30	270	270	270	269	269	269	269	269	268	268	268	267	267	267	267	266	266	266	265
35	252	252	252	252	253	253	253	253	252	252	251	251	251	250	250	250	249	249	249
40	235	235	234	234	234	233	233	233	234	234	234	233	232	232	232	232	231	231	230
45	209	210	210	211	212	212	213	212	213	213	214	213	212	212	212	211	211	210	210
50	184	184	184	185	185	186	187	189	192	191	191	191	191	190	190	189	189	188	188
55	160	160	160	160	160	160	161	162	164	166	168	167	167	167	166	166	165	165	164
60	136	136	136	136	136	136	136	136	136	137	139	142	142	142	142	141	140	140	139
65	113	112	112	112	112	111	111	111	110	110	110	112	115	115	115	115	114	114	113
70	89.0	88.8	88.6	88.2	87.8	87.2	86.7	86.1	85.3	84.6	84.1	84.0	84.7	86.7	87.7	87.8	87.1	86.5	86.2
75	0.00	0.00	0.00	0.00	0.00	0.00	3.96	41.2	60.7	59.6	58.4	57.4	56.8	56.3	57.6	57.9	57.5	56.6	56.5
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.7	30.4	28.9	27.8	28.4	28.5	27.7	27.6
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	0.00	1.50	4.77	2.48	2.13	2.22
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	0.26	0.00

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:2015-12-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:65.0%
 Test Distance:10.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.4V I:0.0464A P:9.662W PF:0.9037 Lamp Flux:861.427x1 lm		
NAME: PANEL	TYPE:PRO3CO-10NL-R180-542835-0018182.19	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	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	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314
5	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312
10	308	308	308	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307	307
15	301	301	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300	300
20	291	291	291	291	291	290	290	290	290	290	290	290	290	290	290	290	290	290	290
25	279	279	279	279	278	278	278	278	278	278	278	278	278	278	278	278	278	278	278
30	265	265	265	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264	264
35	249	248	248	248	248	248	248	248	248	248	247	247	246	246	246	246	246	246	246
40	230	230	229	229	229	229	229	229	228	228	228	228	228	228	229	229	229	229	229
45	210	209	209	209	209	209	208	208	208	208	208	208	208	208	208	208	207	207	208
50	188	187	187	187	187	186	186	187	186	186	186	186	186	186	186	186	186	186	186
55	164	164	163	164	163	163	163	162	163	163	163	162	162	162	162	162	162	162	162
60	139	139	139	138	138	138	138	138	137	137	137	137	137	137	137	137	137	137	137
65	113	113	112	112	112	112	111	111	111	111	111	111	112	112	112	112	112	112	112
70	85.9	85.5	85.3	85.6	84.9	84.6	84.7	85.1	85.5	85.9	86.2	86.4	86.6	86.8	86.8	86.9	86.9	86.9	86.8
75	56.1	56.3	56.7	56.9	57.1	57.8	58.6	59.4	40.2	3.88	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	27.3	27.4	28.0	29.2	22.7	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
85	4.71	1.12	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
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 γ Range: 0 - 90DEG
 C Interval: 5.0DEG γ Interval: 0.5DEG
 Test Speed: HIGH Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Temperature: 25.3DEG Humidity: 65.0%
 Operators: QC Test Distance: 10.500m [K=1.0000]
 Test Date: 2015-12-19 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.4V I:0.0464A P:9.662W PF:0.9037 Lamp Flux:861.427x1 lm		
NAME: PANEL	TYPE:PRO3CO-10NL-R180-542835-WEIGHT2.19	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	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	314	314	314	314	314	314	314	314	314	314	314	314	314	314	314				
5	312	312	312	312	312	312	312	312	312	312	312	312	312	312	312				
10	307	307	307	307	307	307	307	307	307	307	307	308	308	308	308				
15	300	300	300	300	300	300	300	300	300	300	300	301	301	301	301				
20	290	290	290	290	290	290	290	290	291	291	291	291	291	291	292				
25	278	278	278	278	278	278	278	278	278	279	279	279	279	279	280				
30	264	264	264	264	264	264	264	264	264	264	265	265	265	265	265				
35	246	246	247	247	248	247	247	247	248	248	248	248	249	249	249				
40	228	228	228	228	228	228	229	229	229	229	230	230	230	230	231				
45	208	208	208	208	208	208	208	208	209	209	209	209	210	210	210				
50	186	186	186	186	186	186	187	186	186	187	187	187	188	188	188				
55	162	162	162	163	163	162	163	163	163	163	164	164	164	164	165				
60	137	137	137	137	137	138	138	138	138	138	138	139	139	139	139				
65	112	112	111	111	111	111	111	112	112	112	112	112	113	113	113				
70	86.7	86.5	86.3	86.0	85.7	85.4	84.9	84.6	84.5	84.8	85.5	85.1	85.3	85.3	86.1				
75	0.00	0.00	0.00	0.00	3.86	40.1	59.2	58.3	57.5	56.9	56.7	56.5	55.9	55.8	55.8				
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.4	28.9	27.8	27.1	26.8	26.6				
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	1.05	4.59	2.18				
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:QC
 Test Date:2015-12-19

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.281
 Humidity:65.0%
 Test Distance:10.500m [K=1.0000]
 Remarks: