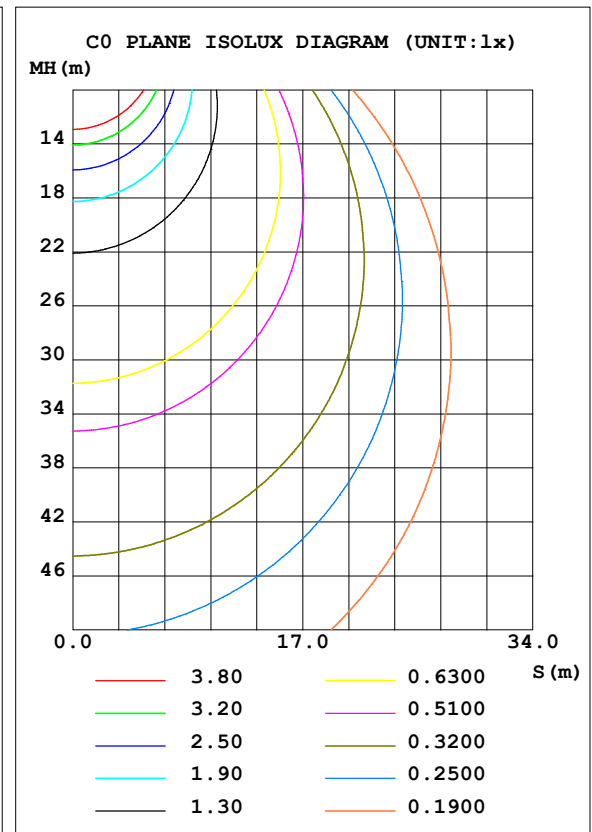
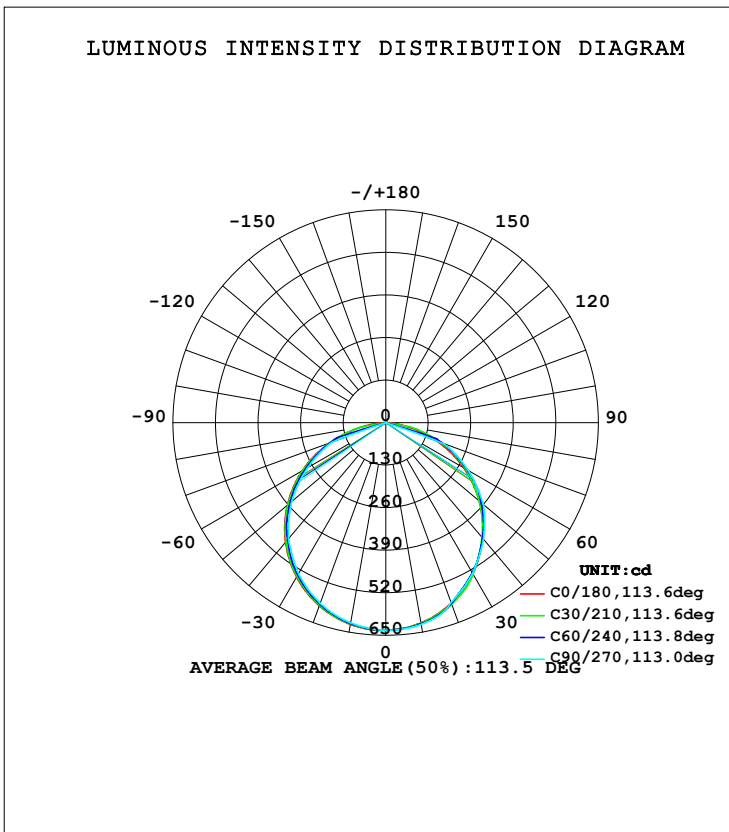


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.3V I:0.0920A P:20.01W PF:0.9443 Lamp Flux:1748.47x1 lm		
NAME: PANEL	TYPE:PR03CO-22NL-R300-1082835WEDG8T12.18	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 87.36 lm/W			
MODEL		I <sub>max</sub> (cd)	634.8	S/MH (C0/180)	1.25
NOMINAL POWER (W)	20	LOR (%)	100.0	S/MH (C90/270)	1.25
RATED VOLTAGE (V)	230	TOTAL FLUX (lm)	1748.5	η UP, DN (C0-180)	0.0, 50.3
NOMINAL FLUX (lm)	1748.47	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: 2015-12-18

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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
5	630.4	631.4	632.7	633.1	633.1	631.5	630.1	629.7	0- 5	15.13	15.13	0.87,0.87
10	621.3	623.0	625.7	626.1	625.6	623.5	621.1	619.5	5- 10	44.88	60.02	3.43,3.43
15	606.5	610.4	612.8	613.7	613.1	610.3	606.6	604.4	10- 15	73.13	133.1	7.61,7.61
20	586.7	590.8	583.9	595.7	595.6	591.8	586.9	583.9	15- 20	98.85	232.0	13.3,13.3
25	561.6	560.2	559.3	568.7	572.5	569.1	562.2	558.3	20- 25	120.9	352.9	20.2,20.2
30	532.3	528.1	531.5	534.6	544.9	540.4	533.5	528.1	25- 30	139.0	491.9	28.1,28.1
35	498.3	495.1	498.0	502.5	512.7	508.3	498.0	494.0	30- 35	152.5	644.5	36.9,36.9
40	460.5	459.1	464.6	465.8	476.6	471.6	462.5	455.5	35- 40	161.0	805.5	46.1,46.1
45	418.2	419.0	427.2	424.6	436.6	429.8	419.2	412.0	40- 45	164.4	969.9	55.5,55.5
50	373.0	378.3	389.7	382.8	392.5	387.4	375.8	368.1	45- 50	162.4	1132	64.8,64.8
55	324.9	332.7	339.5	338.2	345.5	338.7	325.7	318.2	50- 55	155.1	1287	73.6,73.6
60	274.3	286.2	289.2	292.5	295.2	289.4	275.5	268.2	55- 60	142.2	1430	81.8,81.8
65	221.3	233.1	239.0	237.9	241.2	235.1	225.4	214.5	60- 65	124.7	1554	88.9,88.9
70	167.1	181.0	188.8	184.5	183.4	181.7	175.2	162.3	65- 70	103.3	1658	94.8,94.8
75	111.7	130.0	0	132.2	126.1	129.0	0	111.4	70- 75	61.49	1719	98.3,98.3
80	59.57	0	0	0	70.33	0	0	0	75- 80	23.10	1742	99.6,99.6
85	11.29	0	0	0	17.61	0	0	0	80- 85	5.983	1748	100,100
90	1.082	0	0	0	0.6133	0	0	0	85- 90	0.2946	1748	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			

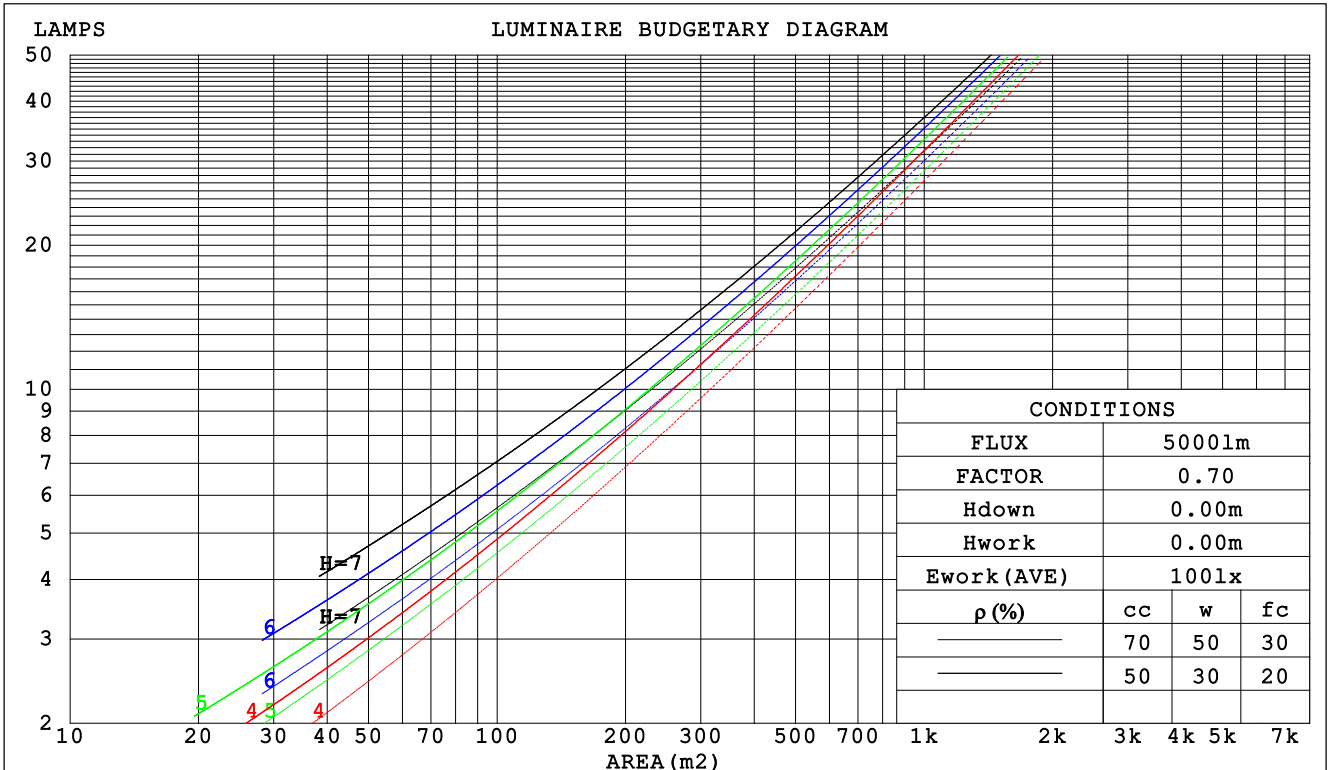
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:QC  
 Test Date:2015-12-18

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  Interval: 0.5DEG  
 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:230.3V I:0.0920A P:20.01W PF:0.9443 Lamp Flux:1748.47x1 lm		
NAME: PANEL	TYPE:PRO3CO-22NL-R300-1082835WEDG8T12.18	
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	.92	.90	.91	.89	.87	.85
2.0	.92	.85	.80	.90	.84	.79	.87	.82	.77	.83	.79	.75	.80	.77	.74	.72
3.0	.81	.73	.67	.79	.72	.66	.76	.70	.65	.74	.68	.64	.71	.67	.63	.60
4.0	.72	.63	.56	.70	.62	.56	.68	.61	.55	.65	.59	.54	.63	.58	.54	.52
5.0	.64	.55	.49	.63	.54	.48	.61	.53	.48	.59	.52	.47	.57	.51	.47	.45
6.0	.58	.49	.42	.57	.48	.42	.55	.47	.42	.53	.46	.41	.52	.46	.41	.39
7.0	.52	.43	.37	.51	.43	.37	.50	.42	.37	.48	.42	.37	.47	.41	.36	.34
8.0	.48	.39	.33	.47	.39	.33	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31
9.0	.44	.35	.30	.43	.35	.30	.42	.35	.30	.41	.34	.29	.40	.34	.29	.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:2015-12-18

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:230.3V I:0.0920A P:20.01W PF:0.9443 Lamp Flux:1748.47x1 lm		
NAME: PANEL	TYPE:PRO3CO-22NL-R300-1082835WEDG8T12.18	
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	.285	.162	.051	.278	.159	.050	.265	.152	.049	.253	.146	.047	.242	.140	.045	
2.0	.277	.152	.047	.271	.149	.046	.259	.144	.045	.249	.139	.044	.239	.135	.043	
3.0	.260	.139	.042	.255	.137	.041	.245	.133	.040	.235	.129	.040	.226	.125	.039	
4.0	.243	.126	.037	.238	.124	.037	.229	.121	.036	.220	.118	.036	.212	.115	.035	
5.0	.226	.115	.033	.221	.114	.033	.213	.111	.033	.206	.109	.032	.199	.106	.032	
6.0	.210	.105	.030	.206	.104	.030	.199	.102	.030	.193	.100	.029	.186	.098	.029	
7.0	.196	.097	.028	.193	.096	.027	.186	.094	.027	.180	.092	.027	.175	.091	.027	
8.0	.184	.090	.025	.181	.089	.025	.175	.087	.025	.169	.086	.025	.164	.084	.025	
9.0	.172	.083	.023	.170	.083	.023	.165	.081	.023	.160	.080	.023	.155	.079	.023	
10.0	.162	.078	.022	.160	.077	.022	.155	.076	.021	.151	.075	.021	.147	.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	.179	.156	.136	.153	.134	.117	.105	.092	.081	.060	.053	.047	.019	.017	.015	
2.0	.170	.132	.100	.146	.114	.086	.100	.079	.060	.058	.046	.035	.018	.015	.011	
3.0	.163	.114	.076	.139	.099	.066	.096	.068	.046	.055	.040	.027	.018	.013	.009	
4.0	.155	.101	.059	.133	.087	.051	.092	.061	.036	.053	.036	.021	.017	.012	.007	
5.0	.148	.090	.048	.127	.078	.042	.088	.055	.029	.051	.032	.017	.016	.010	.006	
6.0	.141	.082	.040	.121	.071	.035	.084	.050	.024	.049	.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	.117	.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:2015-12-18

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:230.3V I:0.0920A P:20.01W PF:0.9443 Lamp Flux:1748.47x1 lm										
NAME: PANEL					TYPE:PRO3CO-22NL-R300-1082835WEDG8T12.18					
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	14.6	16.1	14.8	16.3	16.5	14.8	16.3	15.1	16.5	16.7
3H	16.1	17.5	16.4	17.7	17.9	16.3	17.6	16.6	17.9	18.1
4H	16.6	17.9	16.9	18.2	18.4	16.2	17.5	16.5	17.7	18.0
6H	17.0	18.2	17.3	18.5	18.8	16.0	17.3	16.4	17.5	17.8
8H	17.1	18.2	17.4	18.5	18.8	16.0	17.2	16.3	17.5	17.7
12H	17.0	18.2	17.4	18.5	18.8	15.9	17.1	16.3	17.4	17.7
4H 2H	15.3	16.6	15.6	16.8	17.1	15.4	16.7	15.7	17.0	17.2
3H	16.9	18.1	17.3	18.4	18.7	17.1	18.2	17.4	18.5	18.8
4H	17.6	18.7	18.0	19.0	19.3	17.0	18.0	17.3	18.3	18.6
6H	18.1	19.0	18.5	19.4	19.7	16.9	17.8	17.3	18.1	18.5
8H	18.2	19.1	18.6	19.4	19.8	16.8	17.7	17.2	18.0	18.4
12H	18.3	19.0	18.7	19.4	19.8	16.8	17.6	17.2	17.9	18.3
8H 4H	17.8	18.7	18.2	19.0	19.4	17.1	18.0	17.5	18.3	18.7
6H	18.4	19.1	18.8	19.5	19.9	17.0	17.7	17.5	18.1	18.6
8H	18.5	19.1	19.0	19.6	20.0	17.0	17.6	17.5	18.0	18.5
12H	18.6	19.1	19.1	19.6	20.0	17.0	17.5	17.4	17.9	18.4
12H 4H	17.8	18.5	18.2	18.9	19.3	17.1	17.9	17.5	18.3	18.7
6H	18.3	19.0	18.8	19.4	19.8	17.0	17.6	17.5	18.1	18.5
8H	18.5	19.0	19.0	19.5	19.9	17.0	17.5	17.5	18.0	18.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.2 / - 0.3					+ 0.3 / - 0.4				
1.5H	+ 0.2 / - 0.6					+ 0.5 / - 0.7				
2.0H	+ 0.3 / - 0.5					+ 0.7 / - 1.4				

CIE Pub.117 Corrected 1748 lm Total Lamp Luminous Flux. (8log(F/F0) = 1.9)

C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:QC  
 Test Date:2015-12-18

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:230.3V I:0.0920A P:20.01W PF:0.9443 Lamp Flux:1748.47x1 lm		
NAME: PANEL	TYPE:PRO3CO-22NL-R300-1082835WEDG8T12.18	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

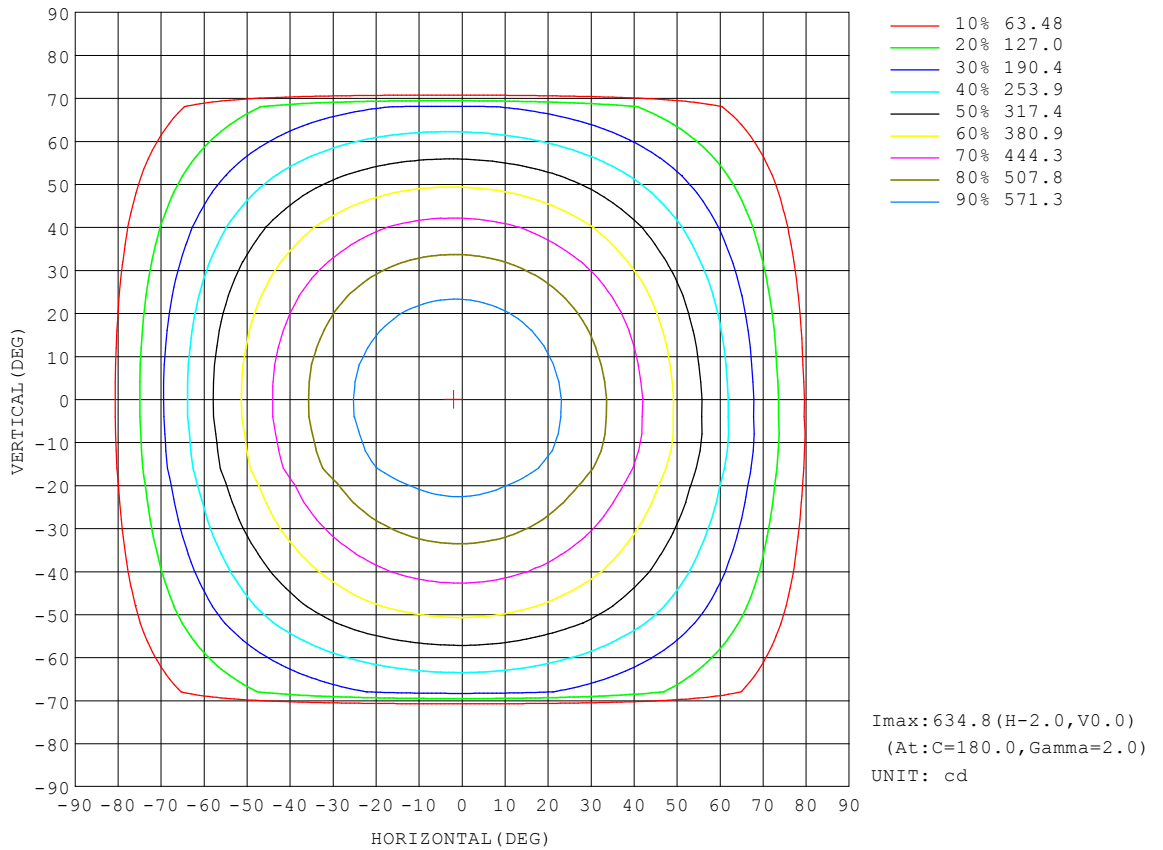
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	58	47	40	57	46	40	56	46	40	33
0.80	68	57	50	67	57	50	66	56	49	42
1.00	77	66	59	76	66	59	74	67	58	51
1.25	84	74	67	83	73	67	80	72	66	59
1.50	89	80	73	88	79	73	85	77	71	64
2.00	96	88	82	94	87	81	91	85	80	72
2.50	100	93	87	98	91	86	94	89	84	76
3.00	103	97	92	101	95	91	97	93	89	80
4.00	107	102	98	105	100	96	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:2015-12-18

$\gamma$  Range: 0 - 90DEG  
 $\gamma$  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:230.3V I:0.0920A P:20.01W PF:0.9443 Lamp Flux:1748.47x1 lm		
NAME: PANEL	TYPE:PR03CO-22NL-R300-1082835W20GST12.18	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:

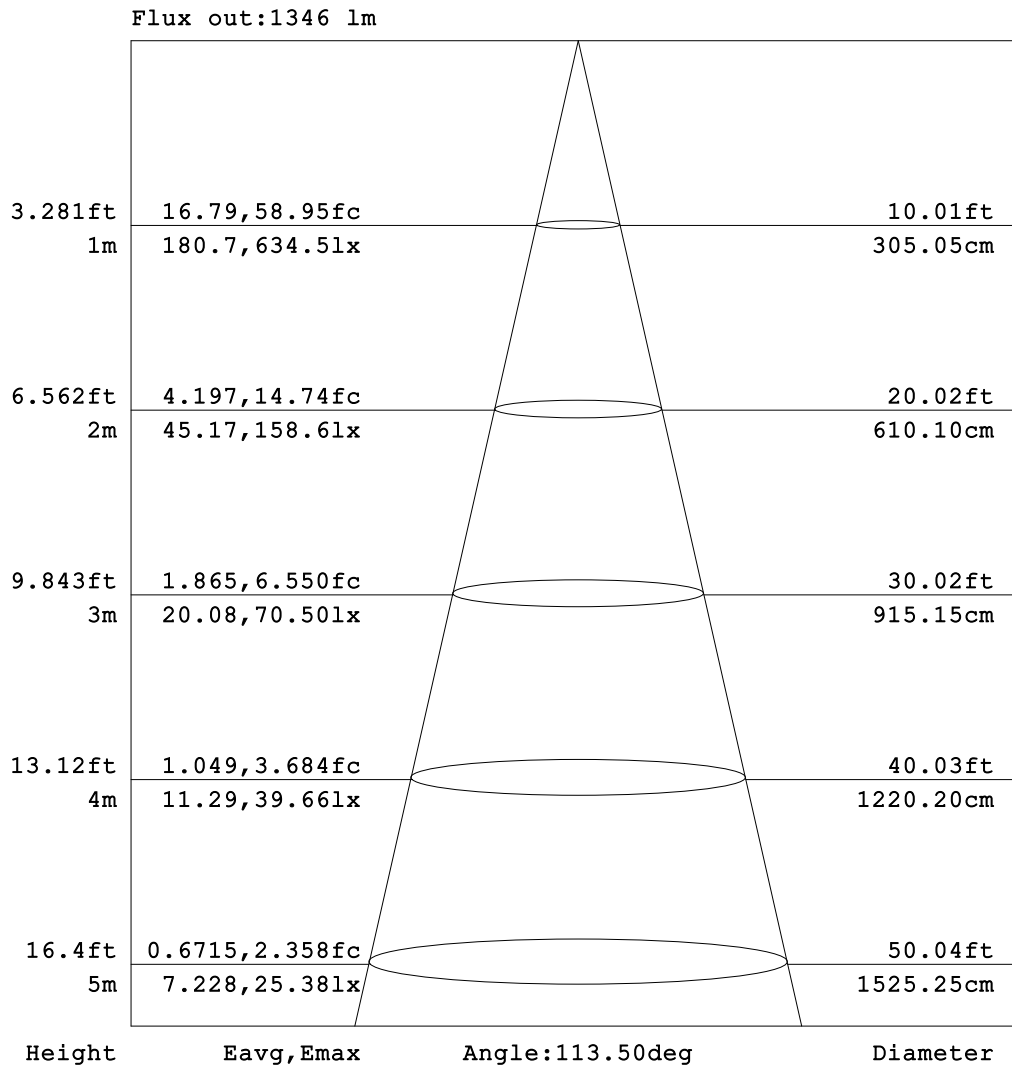


C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: QC  
 Test Date: 2015-12-18

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:230.3V I:0.0920A P:20.01W PF:0.9443 Lamp Flux:1748.47x1 lm		
NAME: PANEL	TYPE:PR03CO-22NL-R300-1082835WEDG8T12.18	
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.

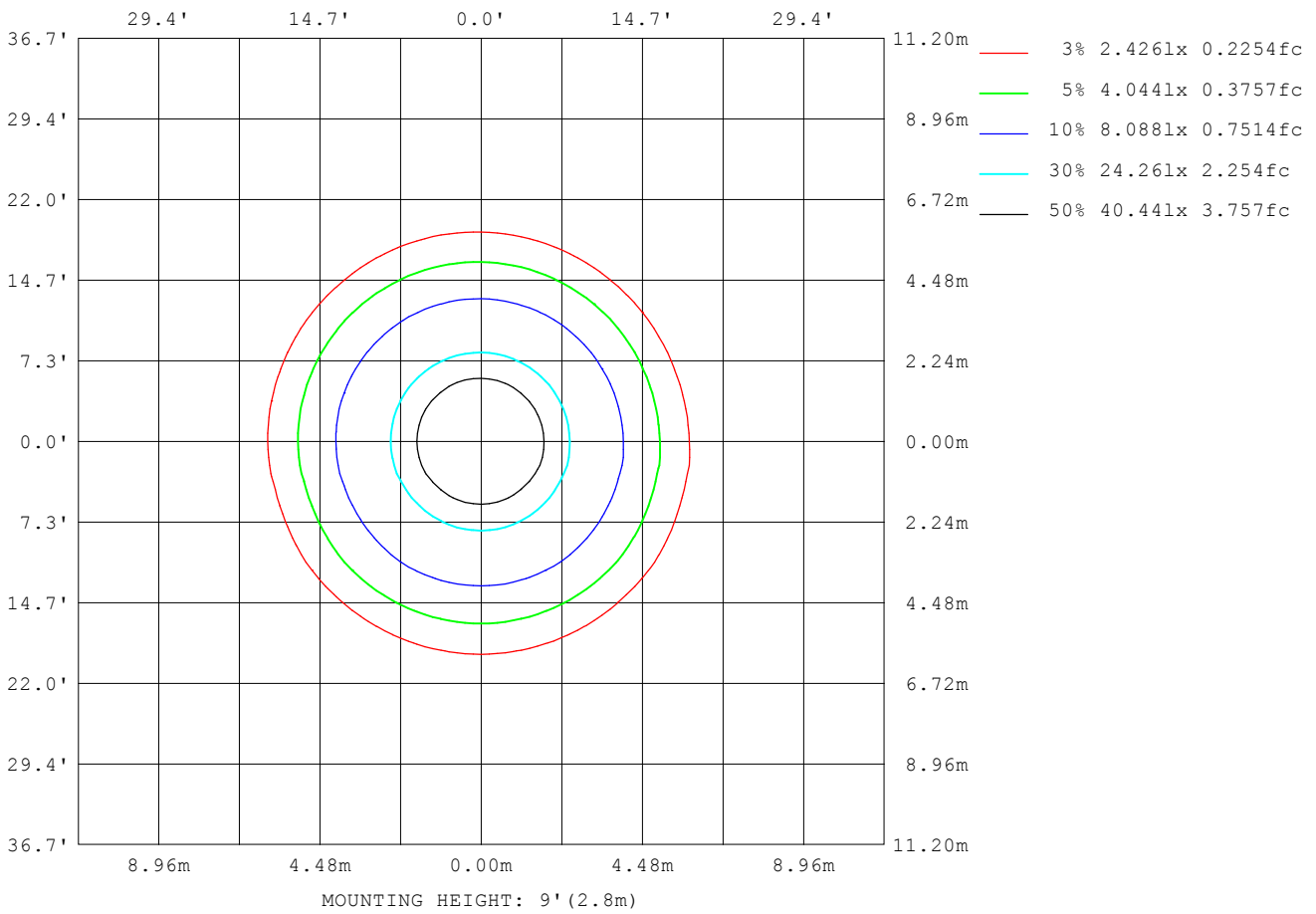
C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:QC  
 Test Date:2015-12-18

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**

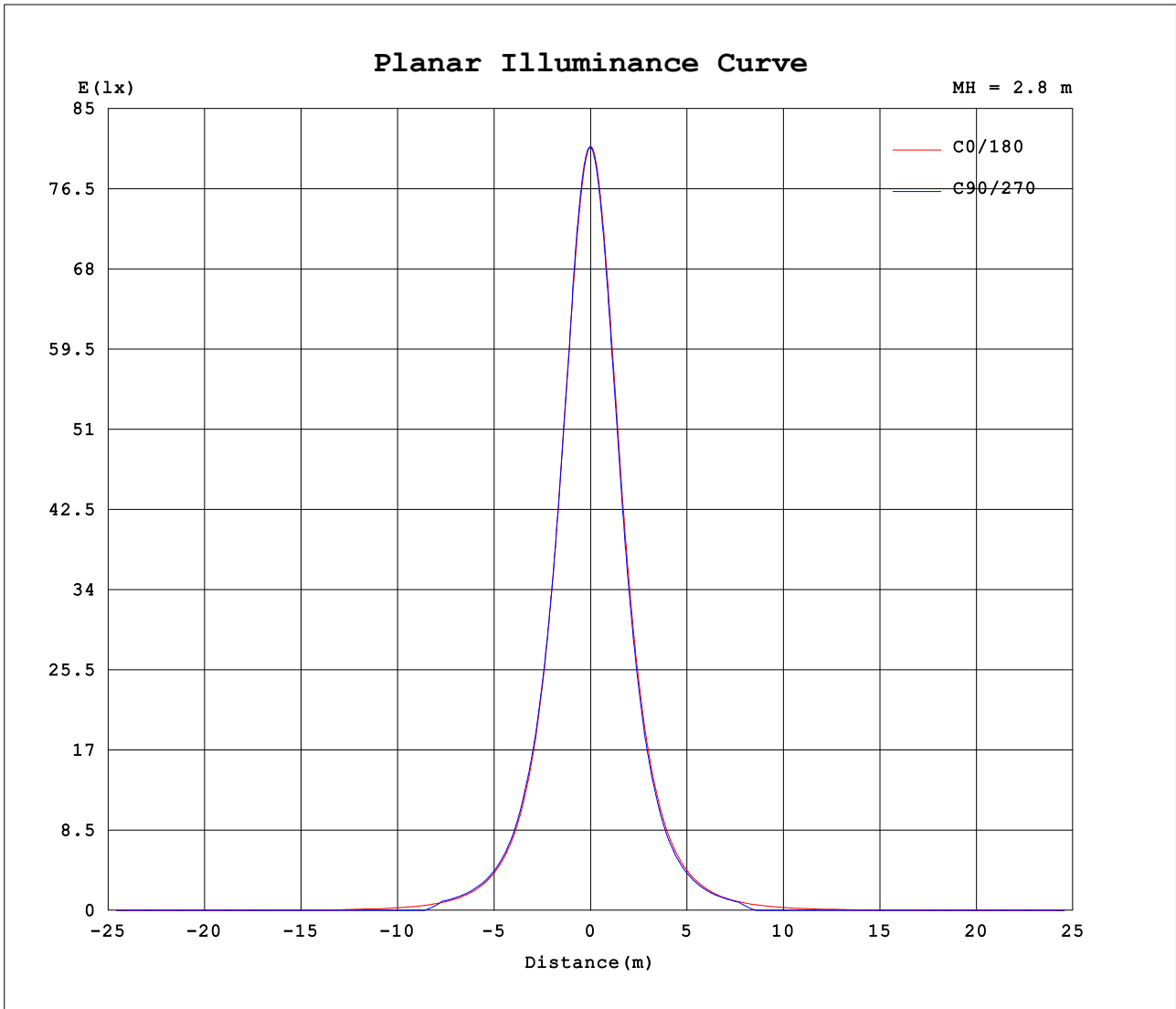
Test:U:230.3V I:0.0920A P:20.01W PF:0.9443 Lamp Flux:1748.47x1 lm		
NAME: PANEL	TYPE:PR03CO-22NL-R300-1082835WEDG8T12.18	
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 5.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:QC  
 Test Date:2015-12-18

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: 2015-12-18

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:230.3V I:0.0920A P:20.01W PF:0.9443 Lamp Flux:1748.47x1 lm		
NAME: PANEL	TYPE:PRO3CO-22NL-R300-1082835WEGST12.18	
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	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	
5	630	630	630	631	631	631	631	631	631	631	632	632	632	632	632	632	632	632	633	633
10	621	621	621	621	622	622	622	623	623	623	623	624	624	624	625	625	625	625	626	626
15	606	606	606	607	607	607	607	608	610	610	611	611	611	611	612	612	612	612	613	613
20	587	586	587	587	588	589	590	590	591	591	590	588	588	587	587	586	585	584	584	584
25	562	562	563	564	565	566	566	565	563	560	559	558	558	558	558	558	559	559	559	559
30	532	532	534	535	536	537	534	530	529	528	528	529	529	529	530	530	531	531	531	531
35	498	499	501	503	503	500	496	495	495	495	496	497	497	496	497	497	497	497	498	498
40	460	461	464	465	463	459	457	458	458	459	459	459	460	461	462	463	464	464	465	465
45	418	420	423	423	416	416	416	418	418	419	420	422	423	423	424	425	426	427	427	427
50	373	375	378	373	372	372	373	374	376	378	379	380	381	383	385	387	388	389	390	390
55	325	328	330	324	325	326	327	330	331	333	335	338	338	338	338	338	339	339	339	339
60	274	278	276	275	276	277	280	282	285	286	286	287	287	287	287	288	289	289	289	289
65	221	225	222	223	225	228	230	233	233	233	234	235	236	236	237	238	238	239	239	239
70	167	171	169	171	173	177	178	179	180	181	182	183	185	186	187	187	188	189	189	189
75	112	114	115	119	121	123	124	126	128	130	87.6	8.41	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
80	59.6	62.3	65.4	67.4	69.8	72.1	54.9	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	11.3	15.2	18.8	8.17	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	1.08	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:2015-12-18	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.3V I:0.0920A P:20.01W PF:0.9443 Lamp Flux:1748.47x1 lm		
NAME: PANEL	TYPE:PRO3CO-22NL-R300-1082835WEDGST12.18	
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	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634
5	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633	633
10	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	626	625
15	613	613	613	613	613	614	614	614	614	614	613	613	614	614	614	614	613	613	613
20	584	586	587	589	591	593	594	595	596	596	596	596	596	596	596	596	596	596	595
25	560	560	560	560	561	562	563	564	569	571	573	573	573	572	572	573	573	573	572
30	532	532	532	532	532	533	534	534	535	536	543	546	545	545	545	545	546	545	545
35	498	499	499	499	500	501	501	502	503	503	503	507	513	513	512	513	513	513	513
40	465	465	465	465	464	464	464	465	466	466	466	467	469	477	476	476	477	477	477
45	427	427	427	427	427	427	427	425	425	425	427	427	428	432	436	435	437	437	437
50	389	389	388	388	387	386	385	383	383	382	382	383	383	384	391	391	392	393	394
55	339	340	340	341	342	343	343	340	338	337	336	335	336	337	338	344	344	346	347
60	289	289	289	290	290	290	291	291	292	291	288	287	285	287	287	293	293	295	296
65	239	239	239	239	239	238	238	238	238	238	239	237	235	234	234	236	240	241	242
70	189	189	188	188	187	187	186	185	184	184	183	184	184	180	179	179	183	183	184
75	0.00	0.00	0.00	0.00	0.00	0.00	8.51	88.9	132	131	129	128	127	127	124	123	126	126	127
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	56.1	74.3	72.6	71.3	70.0	69.0	70.3	70.6
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	8.54	20.6	18.4	17.6	17.1
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	0.61	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:2015-12-18	Remarks:

**LUMINOUS DISTRIBUTION INTENSITY DATA**

Test:U:230.3V I:0.0920A P:20.01W PF:0.9443 Lamp Flux:1748.47x1 lm		
NAME: PANEL	TYPE:PR03CO-22NL-R300-1082835W20G8T12.18	
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	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634
5	633	632	632	632	632	632	632	632	631	631	631	631	631	631	631	630	630	630	630
10	625	625	625	625	624	624	624	623	623	623	623	622	622	622	622	622	621	621	621
15	613	612	612	612	612	611	611	610	610	610	609	608	608	608	607	607	607	606	606
20	595	595	594	594	594	593	592	592	591	591	590	590	589	589	588	587	587	587	586
25	572	572	571	571	570	570	569	569	568	567	566	566	565	564	564	563	562	562	561
30	545	545	544	543	543	542	541	540	540	539	538	537	536	536	535	534	534	533	532
35	513	512	512	511	511	510	509	508	507	507	505	503	502	501	500	499	498	497	496
40	477	476	476	475	475	474	473	472	470	468	467	467	466	465	464	463	462	461	460
45	437	436	436	435	435	434	431	430	429	429	428	426	424	423	422	420	419	418	417
50	393	393	392	391	391	388	387	387	385	384	382	381	380	379	378	377	376	375	373
55	346	346	345	344	342	342	340	339	338	337	335	333	332	330	328	327	326	324	323
60	296	295	295	293	293	291	290	289	287	285	284	282	281	280	278	277	276	274	273
65	242	241	240	240	239	238	236	235	234	233	232	232	231	229	228	227	225	224	223
70	184	183	183	183	182	182	182	182	182	182	181	181	180	179	178	177	175	174	172
75	126	126	126	126	126	127	128	129	86.8	8.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
80	69.8	69.5	70.1	71.5	54.0	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	17.9	7.27	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:2015-12-18	Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.3V I:0.0920A P:20.01W PF:0.9443 Lamp Flux:1748.47x1 lm		
NAME: PANEL	TYPE:PRO3CO-22NL-R300-1082835W2DCST12.18	
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	634	634	634	634	634	634	634	634	634	634	634	634	634	634	634				
5	630	630	630	630	630	630	630	630	630	630	630	630	630	630	630				
10	621	620	620	620	620	620	620	619	620	620	620	620	620	621	621				
15	606	605	605	605	604	604	604	604	604	604	604	605	605	605	606				
20	585	585	585	584	584	584	584	584	584	584	584	584	584	585	586				
25	561	560	559	559	559	559	558	558	558	559	559	559	559	560	561				
30	531	530	530	529	529	529	528	528	528	529	529	529	529	530	531				
35	496	495	495	495	495	494	494	494	494	494	494	495	495	495	497				
40	459	458	456	455	455	455	456	455	455	455	456	456	457	457	459				
45	416	416	415	415	414	413	412	412	413	413	413	413	415	415	416				
50	372	371	369	368	368	368	368	366	366	367	367	368	369	370	370				
55	322	322	321	321	320	319	318	318	319	317	318	319	320	321	322				
60	272	271	270	269	268	268	268	267	267	267	267	268	269	270	271				
65	221	220	218	217	216	215	214	214	215	214	214	214	215	216	218				
70	171	169	168	166	165	163	162	161	160	160	160	160	160	162	164				
75	0.00	0.00	0.00	0.00	7.34	75.6	111	110	109	107	107	106	105	106	107				
80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	43.2	56.7	55.4	54.5	54.4	55.6				
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	4.00	11.9	8.49				
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:2015-12-18

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: