

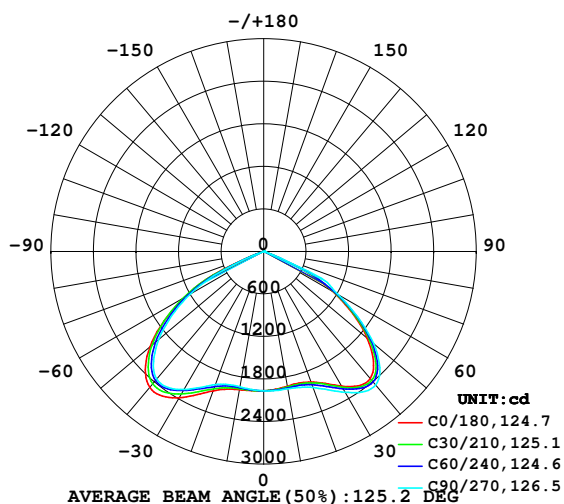


LUMINAIRE PHOTOMETRIC TEST REPORT

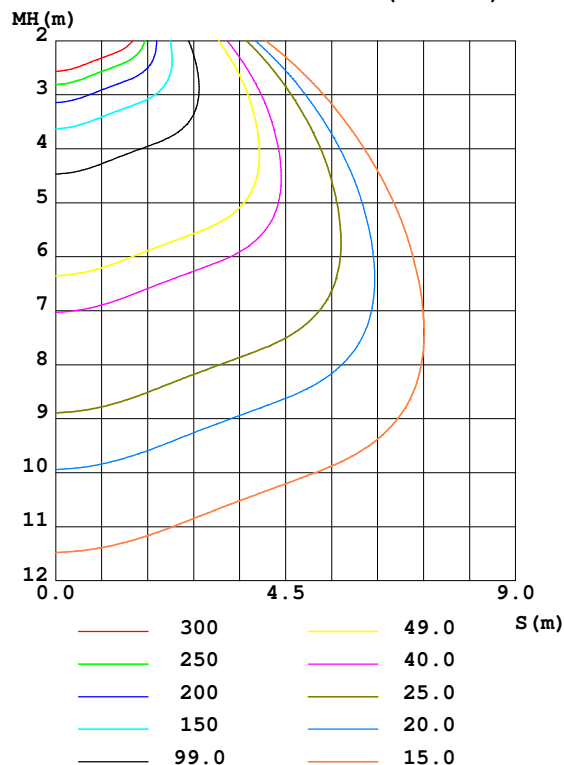
Test:U:239.90V I:0.2503A P:58.461W PF:0.9737 Freq:50.01Hz Lamp Flux:7031.66x1 lm		
NAME: AGNUS	TYPE:Weather proof	WEIGHT:2.48 KG (Approx.)
SPEC.:WPFLC1-60W-50K-120R	DIM.: 149*208 MM	SERIAL No.:277
MFR.: Agnus lighting Systems Pvt. Ltd.	SUR.:0	Shielding Angle:0

DATA OF LAMP		PHOTOMETRIC DATA Eff: 120.28 lm/W			
MODEL	CLU048-1210C4	I _{max} (cd)	2514	S/MH (C0/180)	1.77
NOMINAL POWER (W)	60	LOR (%)	100.0	S/MH (C90/270)	1.72
RATED VOLTAGE (V)	34-42	TOTAL FLUX (lm)	7031.7	η UP, DN (C0-180)	0.0, 50.4
NOMINAL FLUX (lm)	7031.66	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 49.6
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.75
TEST VOLTAGE (V)	240	η down (%)	100.0	CIBSE SHR MAX	1.75

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 30.5DEG
Operators: Swapnil
Test Date: 30 August 2018

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.404.6
Humidity: 40.2%
Test Distance: 1.153m [K=1.0000]
Remarks:



Agnus Lighting Systems Pvt. Ltd.

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1929	1947	1968	1979	1982	1960	1941	1931	0- 10	187.0	187.0	2.66,2.66
20	1963	1983	2044	2094	2094	2046	2000	1967	10- 20	560.4	747.5	10.6,10.6
30	2193	2221	2292	2345	2381	2288	2249	2200	20- 30	993.5	1741	24.8,24.8
40	2339	2387	2458	2469	2501	2400	2348	2328	30- 40	1489	3230	45.9,45.9
50	1905	1968	2028	2076	2096	2031	1932	1911	40- 50	1730	4960	70.5,70.5
60	1118	1149	1204	1185	1279	1260	1192	1105	50- 60	1439	6399	91,91
70	20.47	20.88	37.26	41.33	110.3	16.10	13.41	16.79	60- 70	612.1	7011	99.7,99.7
80	4.041	5.188	11.07	10.07	4.610	3.869	3.681	3.954	70- 80	15.48	7027	99.9,99.9
90	1.463	1.816	3.831	3.627	1.798	1.868	1.626	1.832	80- 90	4.484	7031	100,100
100	0.3253	0.0919	0.6012	0.2620	0.4124	0	0.1453	0	90-100	0.4895	7032	100,100
110	0.0162	0.0327	0.0202	0.0246	0.0074	0.0106	0.0027	0.0094	100-110	0.0357	7032	100,100
120	0.0478	0.0495	0.0353	0.0413	0.0177	0.0164	0.0152	0.0134	110-120	0.0209	7032	100,100
130	0.0232	0.0194	0.0203	0.0135	0.0181	0.0101	0.0159	0.0157	120-130	0.0197	7032	100,100
140	0.0293	0.0136	0.0235	0.0134	0.0129	0.0091	0.0151	0.0125	130-140	0.0148	7032	100,100
150	0.0367	0.0188	0.0201	0.0165	0.0071	0.0073	0.0058	0.0054	140-150	0.0109	7032	100,100
160	0.0275	0.0402	0.0320	0.0379	0.0040	0.0072	0.0019	0.0096	150-160	0.0071	7032	100,100
170	0.4018	0.1593	0.1627	0.1194	0.0089	0.0065	0.0067	0.0076	160-170	0.0147	7032	100,100
180	0	0	0	0	0	0	0	0	170-180	0.0098	7032	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

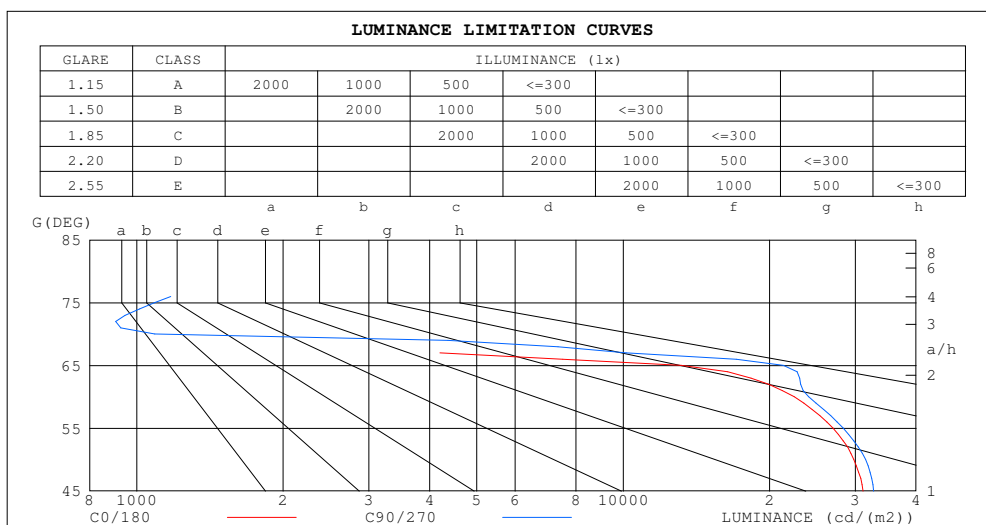
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 30.5DEG
 Operators:Swapnil
 Test Date:30 August 2018

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.6
 Humidity: 40.2%
 Test Distance:1.153m [K=1.0000]
 Remarks:



LUMINANCE LIMITATION CURVES

Test:U:239.90V I:0.2503A P:58.461W PF:0.9737 Freq:50.01Hz Lamp Flux:7031.66x1 lm		
NAME: AGNUS	TYPE:Weather proof	WEIGHT:2.48 KG (Approx.)
SPEC.:WPFLC1-60W-50K-120R	DIM.: 149*208 MM	SERIAL No.:277
MFR.: Agnus lighting Systems Pvt. Ltd.	SUR.:0	Shielding Angle:0



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	359	848
80	234	637
75	313	1088
70	602	1088
65	13159	21334
60	22472	24056
55	26993	28344
50	29803	31521
45	31132	32738

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 30.5DEG
Operators: Swapnil
Test Date: 30 August 2018

γ Range: 0 - 180DEG
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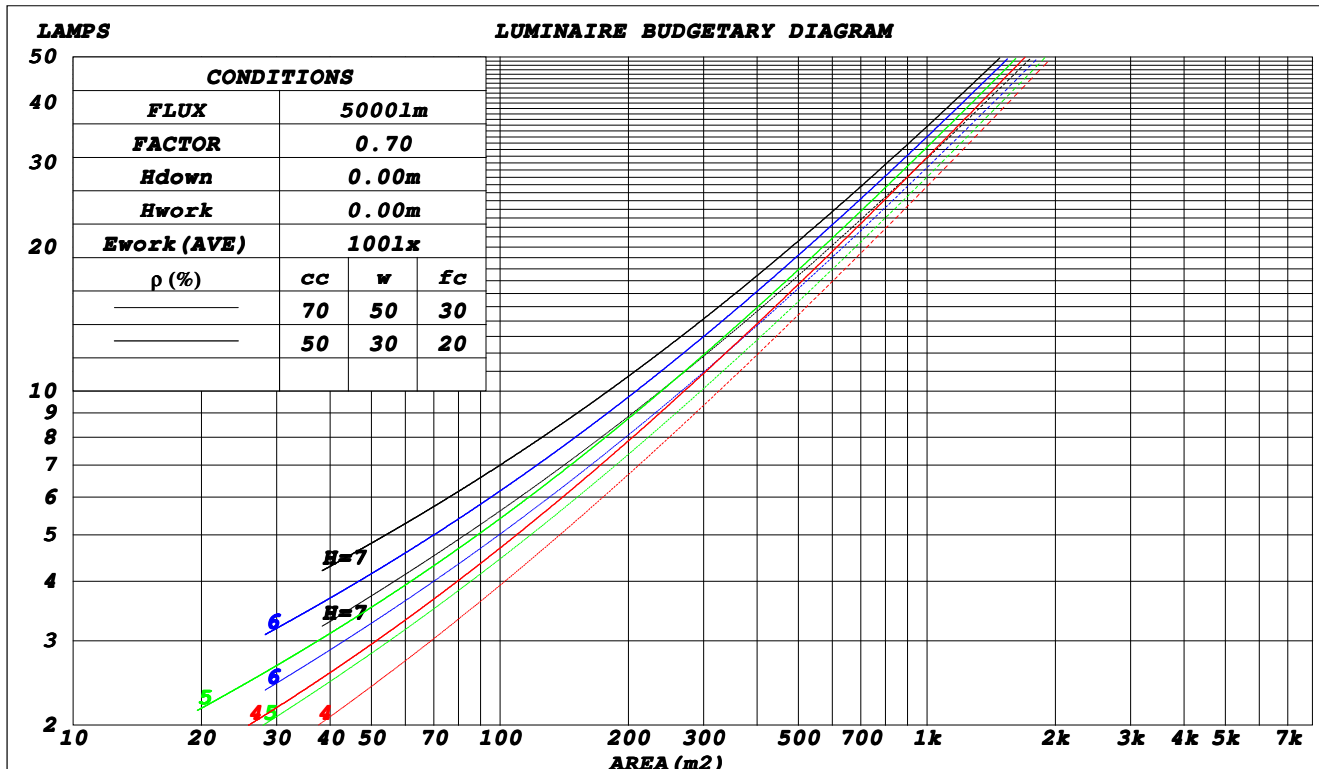


Agnus Lighting Systems Pvt. Ltd.

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:239.90V I:0.2503A P:58.461W PF:0.9737 Freq:50.01Hz Lamp Flux:7031.66x1 lm		
NAME: AGNUS	TYPE:Weather proof	WEIGHT:2.48 KG (Approx.)
SPEC.:WPFLC1-60W-50K-120R	DIM.: 149*208 MM	SERIAL No.:277
MFR.: Agnus lighting Systems Pvt. Ltd.	SUR.:0	Shielding Angle:0

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						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	1.07	1.03	.00	1.04	1.01	.98	1.00	.98	.95	.96	.94	.92	.93	.91	.89	.88
2.0	.94	.88	.83	.92	.87	.82	.89	.84	.80	.86	.82	.78	.83	.79	.77	.75
3.0	.83	.76	.70	.81	.75	.69	.79	.73	.68	.76	.71	.67	.73	.69	.65	.63
4.0	.73	.65	.59	.72	.64	.58	.70	.63	.58	.67	.62	.57	.65	.60	.56	.54
5.0	.65	.57	.50	.64	.56	.50	.62	.55	.49	.60	.54	.49	.58	.53	.48	.46
6.0	.58	.50	.43	.58	.49	.43	.56	.48	.43	.54	.48	.43	.52	.47	.42	.40
7.0	.53	.44	.38	.52	.44	.38	.50	.43	.37	.49	.42	.37	.47	.42	.37	.35
8.0	.48	.39	.33	.47	.39	.33	.46	.38	.33	.44	.38	.33	.43	.37	.33	.31
9.0	.43	.35	.30	.43	.35	.30	.42	.34	.29	.41	.34	.29	.40	.34	.29	.27
10.0	.40	.32	.27	.39	.32	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 30.5DEG
Operators: Swapnil
Test Date: 30 August 2018

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.404.6
Humidity: 40.2%
Test Distance: 1.153m [K=1.0000]
Remarks:



Agnus Lighting Systems Pvt. Ltd.

WEC AND CCEC

Test:U:239.90V I:0.2503A P:58.461W PF:0.9737 Freq:50.01Hz Lamp Flux:7031.66x1 lm		
NAME: AGNUS	TYPE:Weather proof	WEIGHT:2.48 KG (Approx.)
SPEC.:WPFLC1-60W-50K-120R	DIM.: 149*208 MM	SERIAL No.:277
MFR.: Agnus lighting Systems Pvt. Ltd.	SUR.:0	Shielding Angle:0

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	.258	.147	.046	.251	.143	.045	.238	.136	.044	.226	.130	.042	.215	.124	.040		
2.0	.256	.140	.043	.250	.138	.042	.239	.133	.041	.228	.128	.040	.219	.124	.039		
3.0	.246	.131	.039	.241	.129	.039	.231	.125	.038	.222	.121	.037	.213	.118	.036		
4.0	.234	.121	.036	.229	.120	.035	.220	.117	.035	.212	.114	.034	.204	.111	.034		
5.0	.220	.112	.033	.216	.111	.032	.208	.108	.032	.201	.106	.031	.194	.103	.031		
6.0	.207	.104	.030	.203	.103	.030	.196	.101	.029	.190	.099	.029	.183	.097	.029		
7.0	.195	.096	.027	.191	.095	.027	.185	.094	.027	.179	.092	.027	.173	.090	.026		
8.0	.183	.090	.025	.180	.089	.025	.175	.087	.025	.169	.086	.025	.164	.084	.025		
9.0	.173	.084	.023	.170	.083	.023	.165	.082	.023	.160	.080	.023	.155	.079	.023		
10.0	.163	.078	.022	.161	.078	.022	.156	.076	.022	.152	.075	.021	.147	.074	.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	.191	.191	.191	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.177	.157	.139	.151	.134	.119	.103	.093	.082	.060	.054	.048	.019	.017	.016	
2.0	.168	.132	.102	.144	.114	.088	.098	.079	.062	.057	.046	.036	.018	.015	.012	
3.0	.160	.114	.078	.137	.099	.067	.094	.068	.047	.054	.040	.028	.017	.013	.009	
4.0	.153	.101	.061	.131	.087	.053	.090	.061	.037	.052	.036	.022	.017	.012	.007	
5.0	.147	.090	.049	.126	.078	.042	.087	.055	.030	.050	.032	.018	.016	.010	.006	
6.0	.140	.082	.040	.120	.071	.035	.083	.050	.025	.048	.029	.015	.016	.010	.005	
7.0	.134	.075	.034	.115	.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	.065	.025	.105	.056	.022	.073	.039	.016	.043	.023	.009	.014	.008	.003	
10.0	.117	.060	.023	.101	.052	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 30.5DEG
Operators: Swapnil
Test Date: 30 August 2018

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.404.6
Humidity: 40.2%
Test Distance: 1.153m [K=1.0000]
Remarks:



Agnus Lighting Systems Pvt. Ltd.

UGR(Unified Glare Rating) Table

Test:U:239.90V I:0.2503A P:58.461W PF:0.9737 Freq:50.01Hz Lamp Flux:7031.66x1 lm		
NAME: AGNUS	TYPE:Weather proof	WEIGHT:2.48 KG (Approx.)
SPEC.:WPFLC1-60W-50K-120R	DIM.: 149*208 MM	SERIAL No.:277
MFR.: Agnus lighting Systems Pvt. Ltd.	SUR.:0	Shielding Angle:0

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	17.9	19.4	18.2	19.6	19.8	18.2	19.7	18.4	19.9	20.1
3H	17.9	19.2	18.2	19.4	19.7	18.4	19.7	18.6	19.9	20.2
4H	17.8	19.0	18.1	19.3	19.5	18.2	19.5	18.6	19.8	20.0
6H	17.7	18.8	18.0	19.1	19.4	18.1	19.3	18.5	19.6	19.9
8H	17.6	18.7	17.9	19.0	19.3	18.1	19.2	18.4	19.5	19.8
12H	17.6	18.6	17.9	18.9	19.2	18.0	19.1	18.4	19.4	19.7
4H 2H	18.1	19.4	18.5	19.7	19.9	18.4	19.6	18.7	19.9	20.1
3H	18.1	19.2	18.4	19.5	19.8	18.5	19.6	18.9	19.9	20.2
4H	18.0	19.0	18.4	19.3	19.6	18.4	19.4	18.8	19.7	20.0
6H	17.9	18.7	18.3	19.1	19.5	18.3	19.2	18.7	19.5	19.9
8H	17.8	18.6	18.3	19.0	19.4	18.3	19.1	18.7	19.4	19.8
12H	17.8	18.5	18.2	18.9	19.3	18.2	19.0	18.7	19.3	19.8
8H 4H	17.9	18.6	18.3	19.0	19.4	18.3	19.1	18.7	19.4	19.8
6H	17.8	18.4	18.2	18.8	19.2	18.2	18.9	18.6	19.3	19.7
8H	17.7	18.3	18.2	18.7	19.2	18.2	18.7	18.6	19.2	19.6
12H	17.7	18.2	18.2	18.6	19.1	18.1	18.6	18.6	19.1	19.5
12H 4H	17.8	18.5	18.2	18.9	19.3	18.2	19.0	18.7	19.3	19.7
6H	17.7	18.3	18.2	18.7	19.2	18.2	18.7	18.6	19.2	19.6
8H	17.7	18.2	18.2	18.6	19.1	18.1	18.6	18.6	19.1	19.5
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.8					+ 0.5 / - 0.7				
1.5H	+ 0.8 / - 1.8					+ 0.8 / - 1.3				
2.0H	+ 1.1 / - 1.2					+ 1.1 / - 1.3				

CIE Pub.117, 7032 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 6.8$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 30.5DEG
Operators:Swapnil
Test Date:30 August 2018

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.6
Humidity: 40.2%
Test Distance:1.153m [K=1.0000]
Remarks:



Agnus Lighting Systems Pvt. Ltd.

UTILIZATION FACTORS TABLE

Test:U:239.90V I:0.2503A P:58.461W PF:0.9737 Freq:50.01Hz Lamp Flux:7031.66x1 lm		
NAME: AGNUS	TYPE:Weather proof	WEIGHT:2.48 KG (Approx.)
SPEC.:WPFLC1-60W-50K-120R	DIM.: 149*208 MM	SERIAL No.:277
MFR.: Agnus lighting Systems Pvt. Ltd.	SUR.:0	Shielding Angle:0

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	45	38	56	45	38	55	44	38	31
0.80	68	57	50	67	56	49	66	56	49	42
1.00	78	68	61	77	67	61	75	69	60	53
1.25	86	76	70	85	76	70	82	74	69	62
1.50	91	82	76	90	82	76	87	80	74	67
2.00	98	91	85	97	90	84	93	88	83	76
2.50	102	95	90	100	94	89	96	91	87	79
3.00	105	99	94	103	97	93	99	95	91	83
4.00	108	103	99	106	102	98	102	98	95	87
5.00	110	106	102	108	104	101	103	100	98	89
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHR NOM = 1.25		

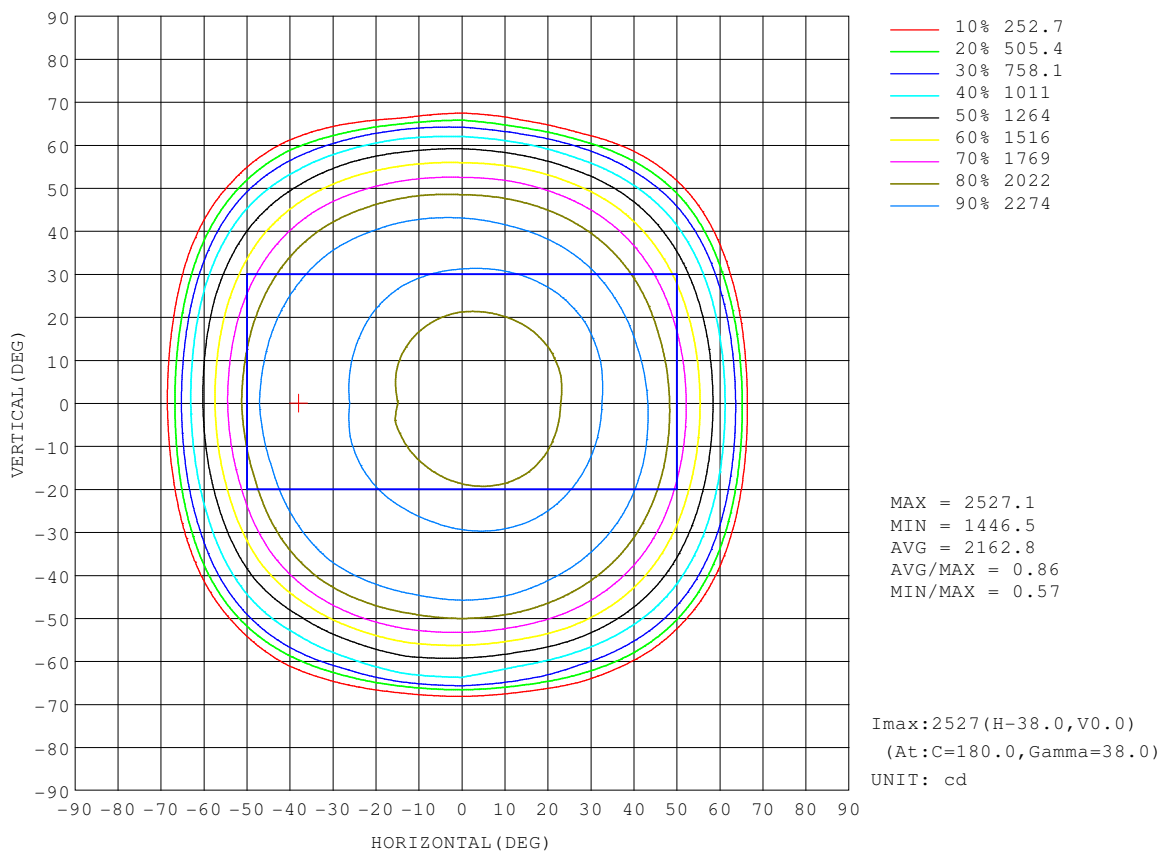
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Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.404.6
Humidity: 40.2%
Test Distance: 1.153m [K=1.0000]
Remarks:



ISOCANDELA DIAGRAM

Test:U:239.90V I:0.2503A P:58.461W PF:0.9737 Freq:50.01Hz Lamp Flux:7031.66x1 lm		
NAME: AGNUS	TYPE:Weather prooof	WEIGHT:2.48 KG (Approx.)
SPEC.:WPFLC1-60W-50K-120R	DIM.: 149*208 MM	SERIAL No.:277
MFR.: Agnus lighting Systems Pvt. Ltd.	SUR.:0	Shielding Angle:0



C Range: 0 - 360DEG
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Remarks:

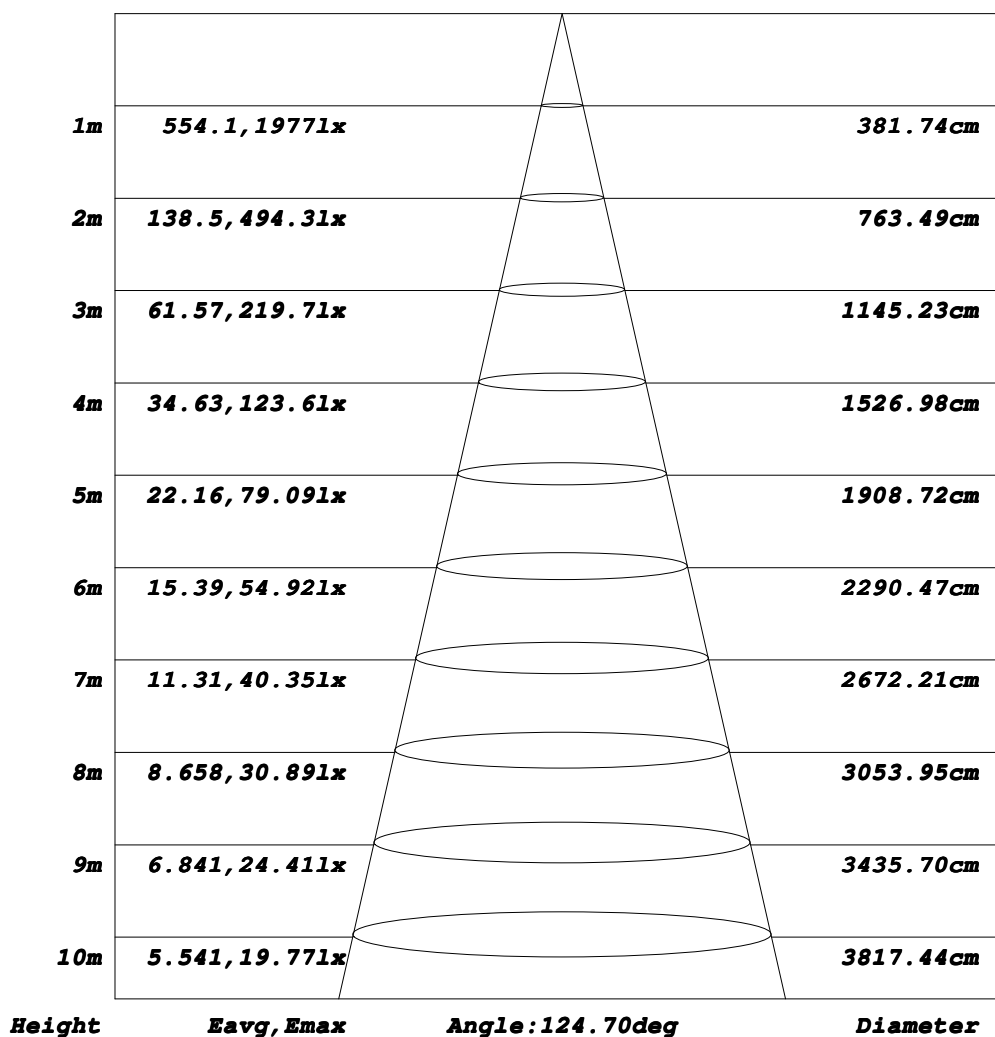


Agnus Lighting Systems Pvt. Ltd.

AAI Figure

Test:U:239.90V I:0.2503A P:58.461W PF:0.9737 Freq:50.01Hz Lamp Flux:7031.66x1 lm		
NAME: AGNUS	TYPE:Weather proof	WEIGHT:2.48 KG (Approx.)
SPEC.:WPFLC1-60W-50K-120R	DIM.: 149*208 MM	SERIAL No.:277
MFR.: Agnus lighting Systems Pvt. Ltd.	SUR.:0	Shielding Angle:0

Flux out:6705 lm



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

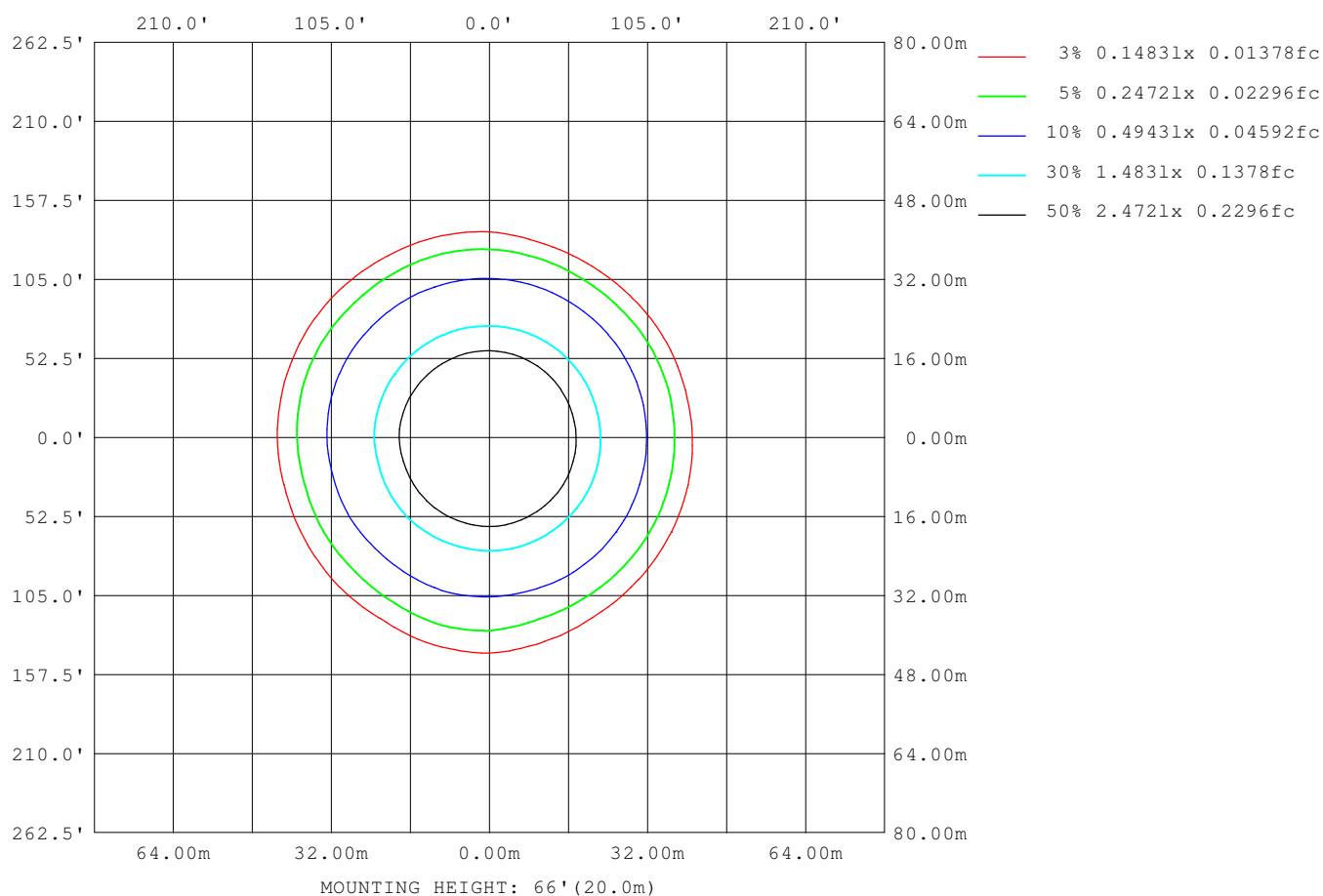
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γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.6
Humidity: 40.2%
Test Distance:1.153m [K=1.0000]
Remarks:



ISOLUX DIAGRAM

Test:U:239.90V I:0.2503A P:58.461W PF:0.9737 Freq:50.01Hz Lamp Flux:7031.66x1 lm		
NAME: AGNUS	TYPE:Weather proof	WEIGHT:2.48 KG (Approx.)
SPEC.:WPFLC1-60W-50K-120R	DIM.: 149*208 MM	SERIAL No.:277
MFR.: Agnus lighting Systems Pvt. Ltd.	SUR.:0	Shielding Angle:0



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 30.5DEG
Operators: Swapnil
Test Date: 30 August 2018

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.404.6
Humidity: 40.2%
Test Distance: 1.153m [K=1.0000]
Remarks:



LED Avg.L Report

Test:U:239.90V I:0.2503A P:58.461W PF:0.9737 Freq:50.01Hz Lamp Flux:7031.66x1 lm		
NAME: AGNUS	TYPE:Weather proof	WEIGHT:2.48 KG (Approx.)
SPEC.:WPFLC1-60W-50K-120R	DIM.: 149*208 MM	SERIAL No.:277
MFR.: Agnus lighting Systems Pvt. Ltd.	SUR.:0	Shielding Angle:0

AvgL	cd/m2
L_0~180 (65) av	15941
L_0~180 (75) av	410
L_0~180 (85) av	295
L_90~270 (65) av	18087
L_90~270 (75) av	719
L_90~270 (85) av	586
L_45 (65) av	15848
L_45 (75) av	629
L_45 (85) av	474

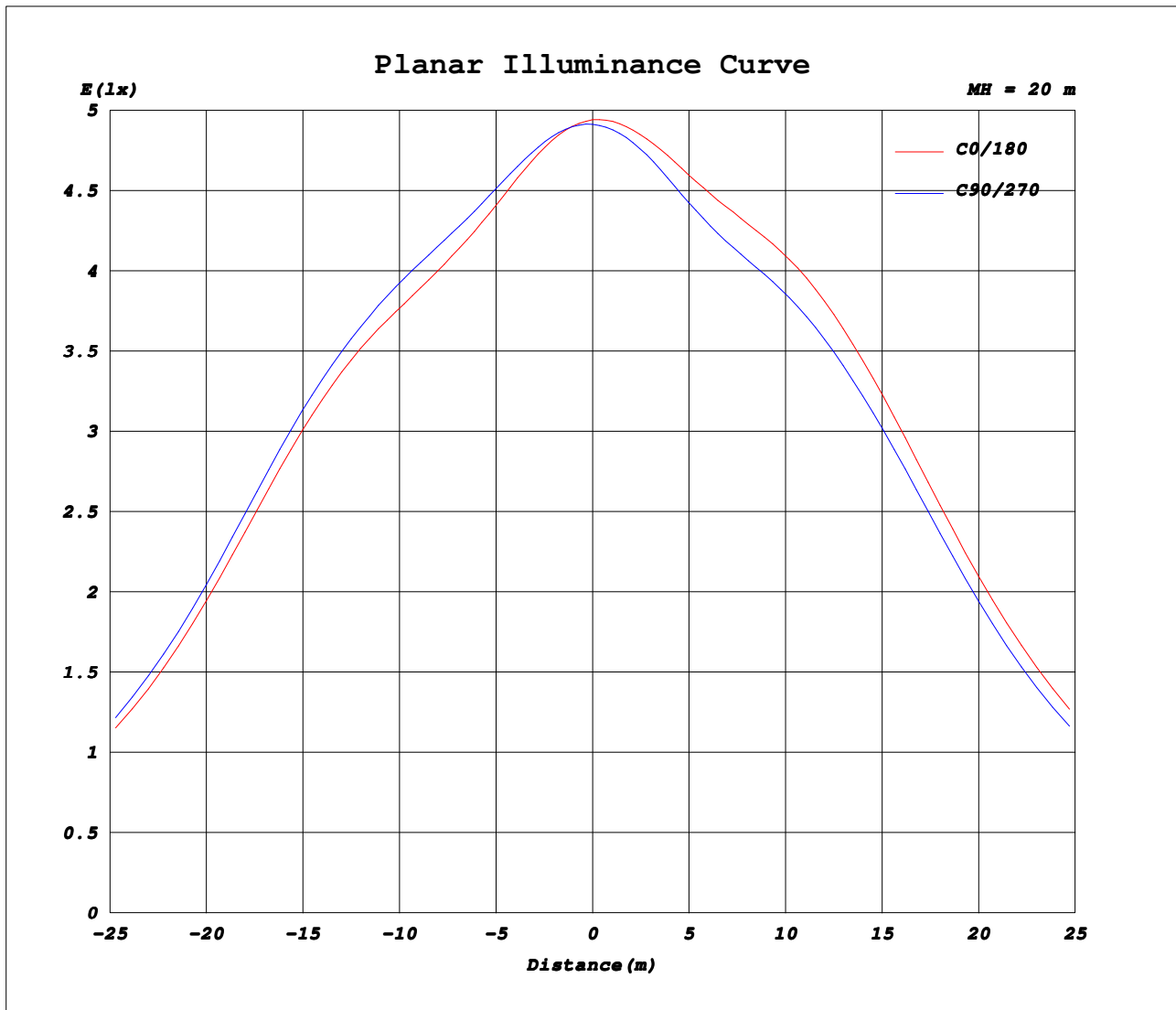
Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 30.5DEG
Operators:Swapnil
Test Date:30 August 2018

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.6
Humidity: 40.2%
Test Distance:1.153m [K=1.0000]
Remarks:



Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 30.5DEG
Operators: Swapnil
Test Date: 30 August 2018

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.404.6
Humidity: 40.2%
Test Distance: 1.153m [K=1.0000]
Remarks:



Agnus Lighting Systems Pvt. Ltd.

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:239.90V I:0.2503A P:58.461W PF:0.9737 Freq:50.01Hz Lamp Flux:7031.66x1 lm		
NAME: AGNUS	TYPE:Weather proof	WEIGHT:2.48 KG (Approx.)
SPEC.:WPFLC1-60W-50K-120R	DIM.: 149*208 MM	SERIAL No.:277
MFR.: Agnus lighting Systems Pvt. Ltd.	SUR.:0	Shielding Angle:0

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967	1967
5	1951	1953	1957	1959	1963	1966	1969	1971	1973	1973	1973	1973	1971	1970	1968	1964	1960	1959	1956
10	1929	1933	1940	1947	1955	1962	1968	1972	1975	1979	1982	1984	1982	1976	1969	1960	1953	1946	1941
15	1923	1929	1937	1945	1957	1971	1985	1995	2004	2011	2016	2017	2012	2003	1991	1977	1965	1953	1944
20	1963	1967	1973	1983	2000	2022	2044	2063	2080	2094	2101	2102	2094	2078	2063	2046	2030	2014	2000
25	2055	2061	2069	2082	2101	2125	2153	2182	2204	2213	2222	2230	2228	2206	2184	2158	2138	2127	2116
30	2193	2200	2209	2221	2237	2262	2292	2326	2343	2345	2349	2359	2381	2351	2320	2288	2266	2257	2249
35	2315	2323	2337	2350	2359	2387	2422	2447	2463	2460	2458	2464	2491	2462	2425	2389	2367	2357	2346
40	2339	2351	2372	2387	2402	2426	2458	2462	2470	2469	2466	2477	2501	2473	2436	2400	2377	2363	2348
45	2190	2225	2242	2253	2271	2304	2317	2304	2318	2335	2328	2338	2361	2336	2304	2277	2243	2225	2200
50	1905	1929	1951	1968	1993	2018	2028	2023	2046	2076	2076	2065	2096	2082	2060	2031	1992	1965	1932
55	1540	1543	1569	1590	1610	1603	1627	1655	1660	1668	1696	1693	1718	1731	1714	1686	1645	1614	1587
60	1118	1123	1143	1149	1163	1166	1204	1244	1202	1185	1248	1251	1279	1314	1304	1260	1241	1210	1192
65	553	595	631	665	702	791	902	882	782	793	774	763	794	793	783	747	685	645	626
70	20.5	21.6	68.4	20.9	28.6	33.5	37.3	37.2	45.8	41.3	27.8	25.1	110	109	100	16.1	16.2	15.1	13.4
75	8.06	9.93	13.6	17.9	23.0	26.7	28.2	26.8	29.2	24.8	20.5	16.5	13.2	13.3	13.1	13.3	10.2	10.3	9.05
80	4.04	4.19	4.38	5.19	7.04	9.38	11.1	11.6	11.5	10.1	7.93	6.38	4.61	3.96	3.84	3.87	3.81	3.66	3.68
85	3.12	3.28	3.44	3.87	4.80	6.11	7.40	7.89	7.56	6.66	5.57	4.63	2.02	2.94	2.90	2.95	2.90	2.84	2.81
90	1.46	2.00	1.79	1.82	2.02	3.13	3.83	4.18	4.04	3.63	3.32	3.17	1.80	1.47	1.95	1.87	1.60	1.80	1.63
95	0.01	0.01	0.00	0.00	1.01	0.10	0.01	0.00	0.12	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.71	0.64	0.74
100	0.33	0.01	0.00	0.09	0.39	0.33	0.60	0.00	0.61	0.26	0.00	0.01	0.41	0.01	0.00	0.00	0.06	0.15	0.15
105	0.01	0.01	0.00	0.01	0.01	0.02	0.05	0.00	0.01	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.01
110	0.02	0.01	0.03	0.03	0.03	0.01	0.02	0.01	0.03	0.02	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.00	0.00
115	0.04	0.02	0.04	0.04	0.04	0.04	0.03	0.02	0.04	0.03	0.03	0.02	0.01	0.01	0.01	0.02	0.01	0.02	0.01
120	0.05	0.03	0.04	0.05	0.04	0.05	0.04	0.04	0.04	0.04	0.03	0.03	0.02	0.01	0.01	0.02	0.01	0.02	0.02
125	0.02	0.02	0.03	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.01	0.01	0.02	0.02
130	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.01	0.02	0.02	0.02	0.01	0.01	0.01	0.01	0.02	0.02
135	0.03	0.02	0.02	0.02	0.03	0.03	0.02	0.03	0.02	0.02	0.02	0.03	0.02	0.01	0.01	0.01	0.02	0.02	0.02
140	0.03	0.02	0.02	0.01	0.03	0.03	0.02	0.03	0.02	0.01	0.02	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.02
145	0.04	0.03	0.02	0.01	0.02	0.03	0.03	0.03	0.02	0.01	0.02	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01
150	0.04	0.03	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01
155	0.02	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.03	0.02	0.02	0.00	0.00	0.01	0.01	0.01	0.00	0.00
160	0.03	0.03	0.03	0.04	0.04	0.04	0.03	0.04	0.04	0.04	0.03	0.02	0.00	0.01	0.01	0.01	0.01	0.00	0.00
165	0.12	0.11	0.09	0.07	0.06	0.08	0.09	0.09	0.09	0.05	0.07	0.08	0.01	0.01	0.01	0.01	0.00	0.00	0.00
170	0.40	0.40	0.28	0.16	0.14	0.18	0.16	0.21	0.17	0.12	0.15	0.23	0.01	0.01	0.01	0.01	0.01	0.01	0.01
175	0.30	0.33	0.25	0.16	0.11	0.09	0.11	0.13	0.12	0.13	0.14	0.17	0.01	0.01	0.01	0.01	0.01	0.01	0.01
180	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: 15.0DEG

Test Speed: HIGH

Temperature: 30.5DEG

Operators:Swapnil

Test Date:30 August 2018

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.6

Humidity: 40.2%

Test Distance:1.153m [K=1.0000]

Remarks:



Agnus Lighting Systems Pvt. Ltd.

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:239.90V I:0.2503A P:58.461W PF:0.9737 Freq:50.01Hz Lamp Flux:7031.66x1 lm		
NAME: AGNUS	TYPE:Weather proof	WEIGHT:2.48 KG (Approx.)
SPEC.:WPFLC1-60W-50K-120R	DIM.: 149*208 MM	SERIAL No.:277
MFR.: Agnus lighting Systems Pvt. Ltd.	SUR.:0	Shielding Angle:0

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1967	1967	1967	1967	1967														
5	1953	1952	1950	1951	1952														
10	1937	1934	1931	1930	1931														
15	1936	1928	1923	1922	1924														
20	1990	1978	1967	1961	1962														
25	2102	2087	2067	2057	2058														
30	2233	2218	2200	2190	2193														
35	2331	2322	2312	2306	2314														
40	2332	2330	2328	2325	2337														
45	2184	2183	2180	2179	2183														
50	1933	1923	1911	1909	1905														
55	1584	1562	1561	1549	1551														
60	1147	1101	1105	1119	1123														
65	483	436	474	498	489														
70	15.8	17.6	16.8	16.8	19.1														
75	8.96	8.76	9.06	10.2	11.6														
80	3.68	3.80	3.95	4.05	4.15														
85	2.82	2.92	3.05	3.16	3.20														
90	1.76	1.79	1.83	1.95	2.16														
95	0.09	0.90	0.00	0.00	0.00														
100	0.00	0.03	0.00	0.00	0.05														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.01	0.01	0.01	0.01														
115	0.01	0.01	0.01	0.01	0.02														
120	0.01	0.01	0.01	0.01	0.02														
125	0.02	0.01	0.01	0.02	0.02														
130	0.02	0.01	0.02	0.02	0.02														
135	0.02	0.01	0.02	0.02	0.02														
140	0.02	0.01	0.01	0.02	0.02														
145	0.01	0.01	0.01	0.01	0.01														
150	0.01	0.01	0.01	0.01	0.01														
155	0.00	0.01	0.01	0.01	0.00														
160	0.00	0.01	0.01	0.01	0.01														
165	0.00	0.00	0.01	0.01	0.01														
170	0.01	0.01	0.01	0.01	0.01														
175	0.01	0.01	0.01	0.01	0.01														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 30.5DEG
Operators:Swapnil
Test Date:30 August 2018

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.404.6
Humidity: 40.2%
Test Distance:1.153m [K=1.0000]
Remarks: