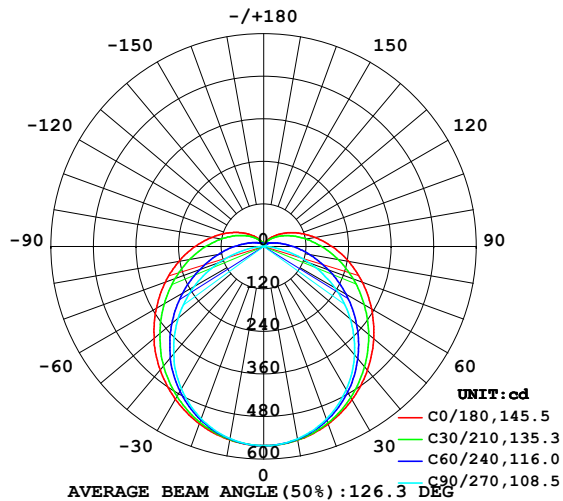


LUMINAIRE PHOTOMETRIC TEST REPORT

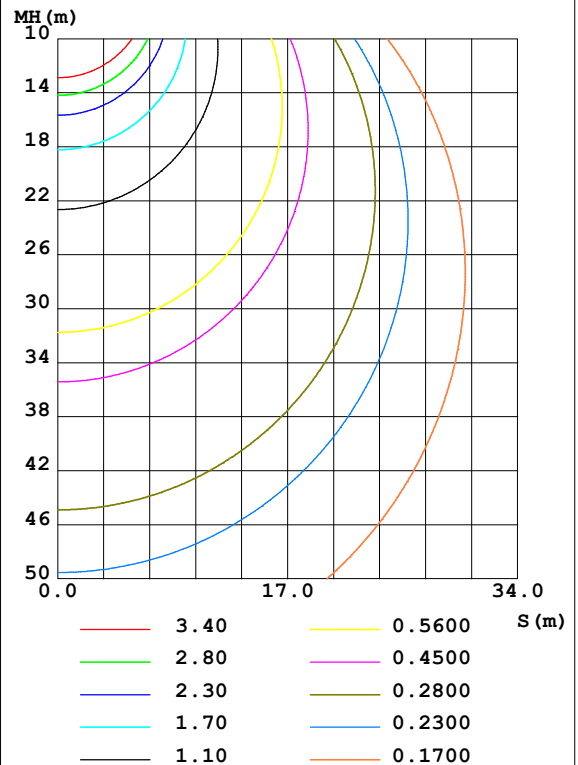
Test:U:230.4V I:0.0914A P:20.29W PF:0.9635 Freq:50.00Hz Lamp Flux:2225.43x1 lm		
NAME: T60AC	TYPE:T60AC2040K600-2016.11.14	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 109.67 lm/W			
MODEL		I _{max} (cd)	562.1	S/MH (C0/180)	1.32
NOMINAL POWER(W)	20	LOR(%)	100.0	S/MH (C90/270)	1.23
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2225.4	η UP,DN(C0-180)	6.6,43.6
NOMINAL FLUX(lm)	2225.43	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	6.6,43.2
LAMPS INSIDE	1	η up (%)	13.2	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	230	η down (%)	86.8	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: QC
Test Date: 14 November 2016

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
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
10	554.8	553.0	551.1	553.0	554.2	552.0	550.2	552.0	0- 10	53.19	53.19	2.39,2.39
20	533.0	525.9	518.0	525.9	532.1	524.1	516.6	523.7	10- 20	152.7	205.9	9.25,9.25
30	499.0	483.0	466.2	482.7	498.1	480.5	464.5	479.6	20- 30	232.9	438.8	19.7,19.7
40	455.7	428.2	398.9	427.6	454.6	425.2	395.0	423.3	30- 40	285.0	723.8	32.5,32.5
50	405.5	363.7	319.6	362.9	403.3	362.2	315.3	359.6	40- 50	304.7	1028	46.2,46.2
60	351.4	298.1	231.5	297.0	350.0	297.0	227.0	293.2	50- 60	293.4	1322	59.4,59.4
70	296.5	234.4	137.8	233.3	295.6	233.7	134.0	229.0	60- 70	256.6	1578	70.9,70.9
80	243.0	176.7	49.77	175.7	242.7	176.0	46.64	170.7	70- 80	204.1	1783	80.1,80.1
90	192.4	128.1	0.8798	127.2	193.5	128.2	1.384	122.7	80- 90	149.2	1932	86.8,86.8
100	148.0	89.74	1.286	89.16	149.3	90.54	1.930	85.30	90-100	105.7	2037	91.6,91.6
110	109.7	61.18	1.998	61.16	111.1	62.56	2.719	57.84	100-110	73.33	2111	94.8,94.8
120	77.74	40.91	2.815	41.37	79.22	42.66	3.544	35.83	110-120	48.64	2159	97,97
130	52.33	27.09	3.669	27.95	53.76	29.03	4.333	25.01	120-130	30.48	2190	98.4,98.4
140	33.18	17.03	4.507	19.15	34.55	20.00	5.032	15.18	130-140	17.88	2208	99.2,99.2
150	19.93	10.58	5.290	13.56	21.21	14.20	5.647	9.646	140-150	9.771	2218	99.6,99.6
160	11.99	7.608	5.967	10.13	12.56	10.46	6.017	7.105	150-160	4.969	2222	99.9,99.9
170	7.830	6.583	6.611	7.800	7.885	7.920	6.758	6.327	160-170	2.277	2225	100,100
180	6.294	6.828	7.149	6.977	6.335	6.884	7.142	6.984	170-180	0.6612	2225	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 875.71 lm

%lum = 39.4%

%lamp = 39.4%

Conical surface Flux(120deg): 1321.8 lm

%lum = 59.4%

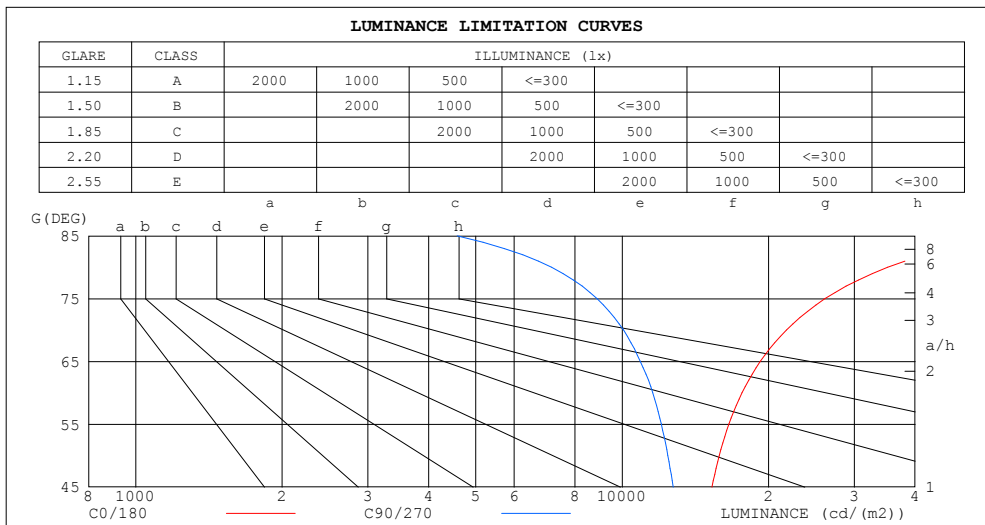
%lamp = 59.4%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:14 November 2016

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.500m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.4V I:0.0914A P:20.29W PF:0.9635 Freq:50.00Hz Lamp Flux:2225.43x1 lm		
NAME: T60AC	TYPE:T60AC2040K600-2016.11.14	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	62629	4577
80	35125	7158
75	26122	8878
70	21757	10064
65	19235	10897
60	17639	11564
55	16575	12036
50	15832	12417
45	15305	12734

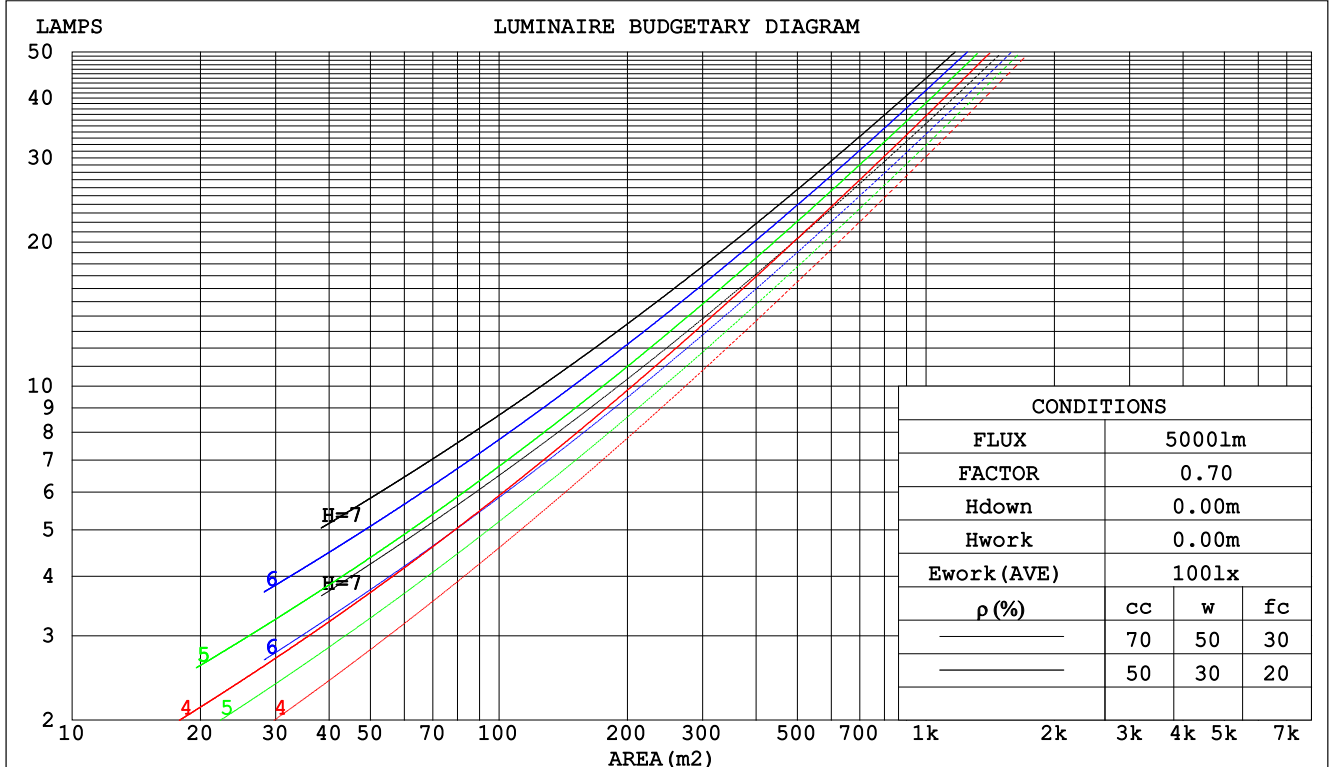
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 14 November 2016

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 10.500m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.4V I:0.0914A P:20.29W PF:0.9635 Freq:50.00Hz Lamp Flux:2225.43x1 lm		
NAME: T60AC	TYPE:T60AC2040K600-2016.11.14	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	1.16	1.16	1.16	1.12	1.12	1.12	1.04	1.04	1.04	.97	.97	.97	.90	.90	.90	.87
1.0	.97	.92	.87	.94	.89	.85	.87	.83	.80	.81	.78	.75	.75	.73	.70	.67
2.0	.84	.76	.69	.81	.73	.68	.75	.69	.64	.69	.65	.60	.64	.61	.57	.54
3.0	.73	.64	.57	.70	.62	.55	.65	.58	.53	.61	.55	.50	.56	.52	.48	.45
4.0	.64	.55	.47	.62	.53	.46	.58	.50	.44	.54	.47	.42	.50	.45	.40	.38
5.0	.57	.47	.40	.55	.46	.40	.51	.44	.38	.48	.41	.36	.45	.39	.35	.32
6.0	.51	.42	.35	.49	.41	.34	.46	.39	.33	.43	.37	.32	.40	.35	.30	.28
7.0	.46	.37	.31	.45	.36	.30	.42	.34	.29	.39	.33	.28	.37	.31	.27	.25
8.0	.42	.33	.27	.41	.32	.27	.38	.31	.26	.36	.30	.25	.34	.28	.24	.22
9.0	.38	.30	.24	.37	.29	.24	.35	.28	.23	.33	.27	.22	.31	.26	.22	.20
10.0	.35	.27	.22	.34	.27	.22	.32	.26	.21	.31	.25	.20	.29	.23	.20	.18



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:14 November 2016

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.500m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.4V I:0.0914A P:20.29W PF:0.9635 Freq:50.00Hz Lamp Flux:2225.43x1 lm		
NAME: T60AC	TYPE:T60AC2040K600-2016.11.14	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0	
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
pfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.374	.213	.067	.363	.207	.066	.341	.196	.063	.322	.186	.060	.304	.176	.057		
2.0	.327	.179	.055	.317	.175	.054	.298	.166	.051	.280	.157	.049	.264	.149	.047		
3.0	.292	.155	.047	.283	.152	.046	.266	.144	.044	.250	.137	.042	.235	.130	.040		
4.0	.264	.137	.040	.256	.134	.040	.240	.127	.038	.226	.121	.037	.213	.116	.035		
5.0	.240	.123	.035	.233	.120	.035	.219	.114	.034	.206	.109	.032	.194	.104	.031		
6.0	.221	.111	.032	.214	.108	.031	.201	.103	.030	.190	.099	.029	.178	.094	.028		
7.0	.204	.101	.029	.198	.099	.028	.186	.094	.027	.175	.090	.026	.165	.086	.025		
8.0	.189	.093	.026	.184	.090	.026	.173	.087	.025	.163	.083	.024	.154	.079	.023		
9.0	.177	.085	.024	.172	.084	.023	.162	.080	.023	.153	.077	.022	.144	.073	.021		
10.0	.165	.079	.022	.161	.078	.022	.152	.074	.021	.143	.071	.020	.135	.068	.020		

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.291	.291	.291	.249	.249	.249	.170	.170	.170	.098	.098	.098	.031	.031	.031	
1.0	.286	.257	.231	.245	.221	.199	.167	.152	.137	.096	.088	.080	.031	.028	.026	
2.0	.279	.234	.196	.239	.201	.169	.164	.139	.118	.094	.081	.069	.030	.026	.023	
3.0	.271	.217	.174	.233	.187	.151	.160	.130	.106	.092	.076	.062	.030	.025	.020	
4.0	.264	.204	.159	.226	.177	.138	.156	.123	.097	.090	.072	.058	.029	.023	.019	
5.0	.256	.194	.149	.220	.168	.130	.151	.118	.092	.088	.069	.054	.028	.023	.018	
6.0	.248	.186	.142	.214	.161	.124	.147	.113	.087	.085	.066	.052	.028	.022	.017	
7.0	.241	.180	.136	.208	.156	.119	.143	.109	.084	.083	.064	.050	.027	.021	.017	
8.0	.235	.174	.132	.202	.151	.115	.140	.106	.082	.081	.063	.049	.026	.020	.016	
9.0	.228	.169	.129	.197	.147	.113	.136	.103	.080	.079	.061	.048	.026	.020	.016	
10.0	.223	.165	.127	.192	.143	.111	.133	.101	.079	.078	.060	.047	.025	.020	.016	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:14 November 2016

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.4V I:0.0914A P:20.29W PF:0.9635 Freq:50.00Hz Lamp Flux:2225.43x1 lm											
NAME: T60AC					TYPE:T60AC2040K600-2016.11.14WEIGHT:						
SPEC.:					DIM.:			SERIAL No.:			
MFR.: ERVAN					SUR.:			Shielding 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	19.4	20.8	19.8	21.2	21.7	17.6	19.0	18.0	19.4	19.9	
	3H	21.9	23.2	22.4	23.7	24.2	19.0	20.3	19.5	20.8	21.3
	4H	23.3	24.5	23.8	25.0	25.5	19.6	20.8	20.1	21.3	21.8
	6H	24.8	25.9	25.3	26.4	27.0	19.9	21.1	20.4	21.6	22.2
	8H	25.6	26.7	26.1	27.3	27.8	20.0	21.2	20.5	21.7	22.2
	12H	26.6	27.7	27.1	28.2	28.8	20.0	21.1	20.6	21.7	22.2
4H	2H	19.9	21.2	20.4	21.6	22.2	18.6	19.8	19.1	20.3	20.9
	3H	22.7	23.8	23.2	24.3	24.9	20.3	21.4	20.8	21.9	22.5
	4H	24.3	25.3	24.8	25.8	26.4	21.0	22.0	21.6	22.6	23.2
	6H	26.0	26.9	26.6	27.5	28.1	21.6	22.5	22.2	23.1	23.7
	8H	27.0	27.8	27.6	28.4	29.1	21.8	22.6	22.4	23.2	23.9
	12H	28.1	28.8	28.7	29.5	30.1	21.9	22.6	22.5	23.2	23.9
8H	4H	24.6	25.4	25.2	26.0	26.7	22.0	22.8	22.6	23.4	24.1
	6H	26.6	27.3	27.3	28.0	28.7	22.9	23.6	23.6	24.3	25.0
	8H	27.8	28.5	28.5	29.1	29.8	23.3	23.9	24.0	24.6	25.3
	12H	29.2	29.7	29.9	30.4	31.2	23.6	24.1	24.2	24.8	25.5
12H	4H	24.6	25.4	25.2	26.0	26.7	22.3	23.1	22.9	23.7	24.4
	6H	26.7	27.4	27.4	28.0	28.7	23.5	24.1	24.1	24.7	25.5
	8H	28.0	28.6	28.7	29.2	30.0	24.0	24.6	24.7	25.2	26.0
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1					
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.4					

CIE Pub.117, 2225 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 2.8$)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:14 November 2016

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.4V I:0.0914A P:20.29W PF:0.9635 Freq:50.00Hz Lamp Flux:2225.43x1 lm		
NAME: T60AC	TYPE:T60AC2040K600-2016.11.14	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

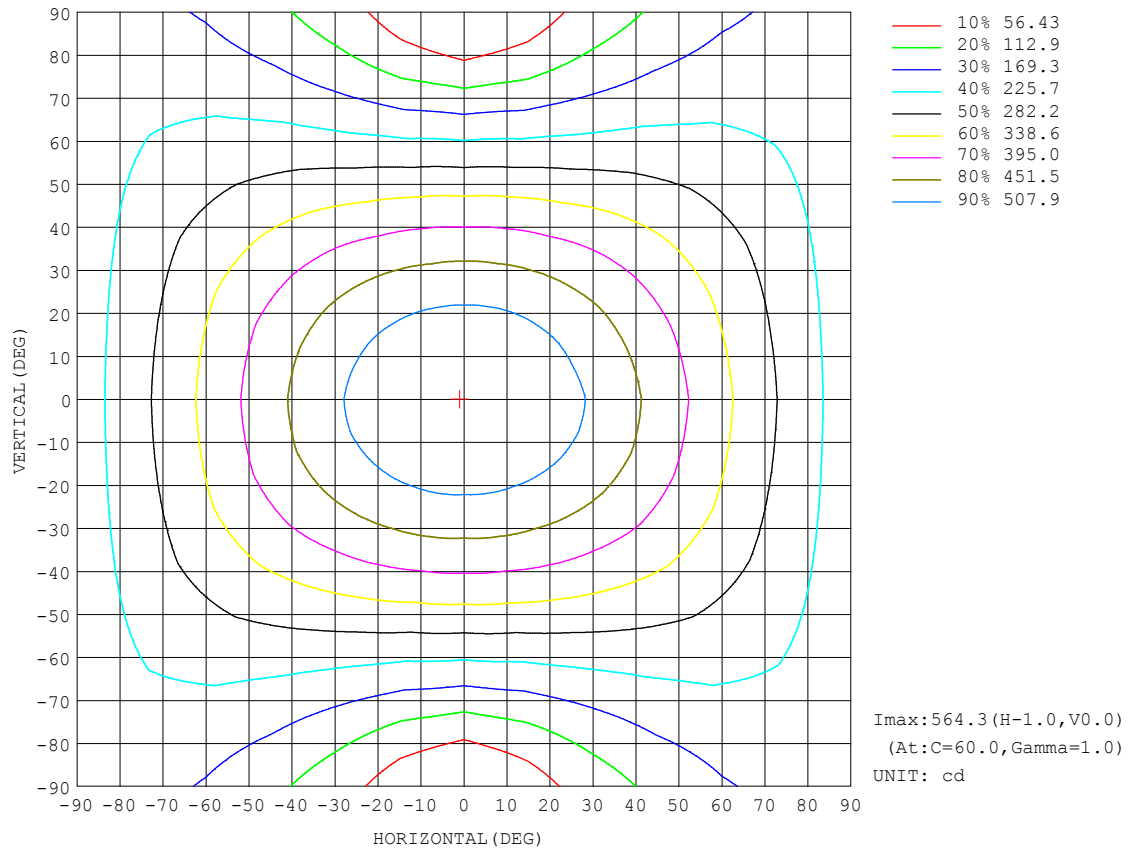
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) × RCR = 5									
k = 0.60	50	38	31	49	38	30	47	37	30	23
0.80	59	47	39	58	46	38	56	45	38	30
1.00	67	55	47	66	54	46	62	55	45	37
1.25	74	62	54	72	61	53	68	59	52	43
1.50	79	67	59	77	66	58	73	63	57	47
2.00	86	76	68	84	74	67	79	71	64	54
2.50	91	81	73	88	79	72	82	75	69	57
3.00	94	86	78	91	83	77	85	79	73	61
4.00	99	91	85	95	89	83	89	84	79	66
5.00	102	95	90	98	92	87	91	87	83	69
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNM = 1.25										

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:14 November 2016

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.4V I:0.0914A P:20.29W PF:0.9635 Freq:50.00Hz Lamp Flux:2225.43x1 lm		
NAME: T60AC	TYPE:T60AC2040K600-2016.11.14	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

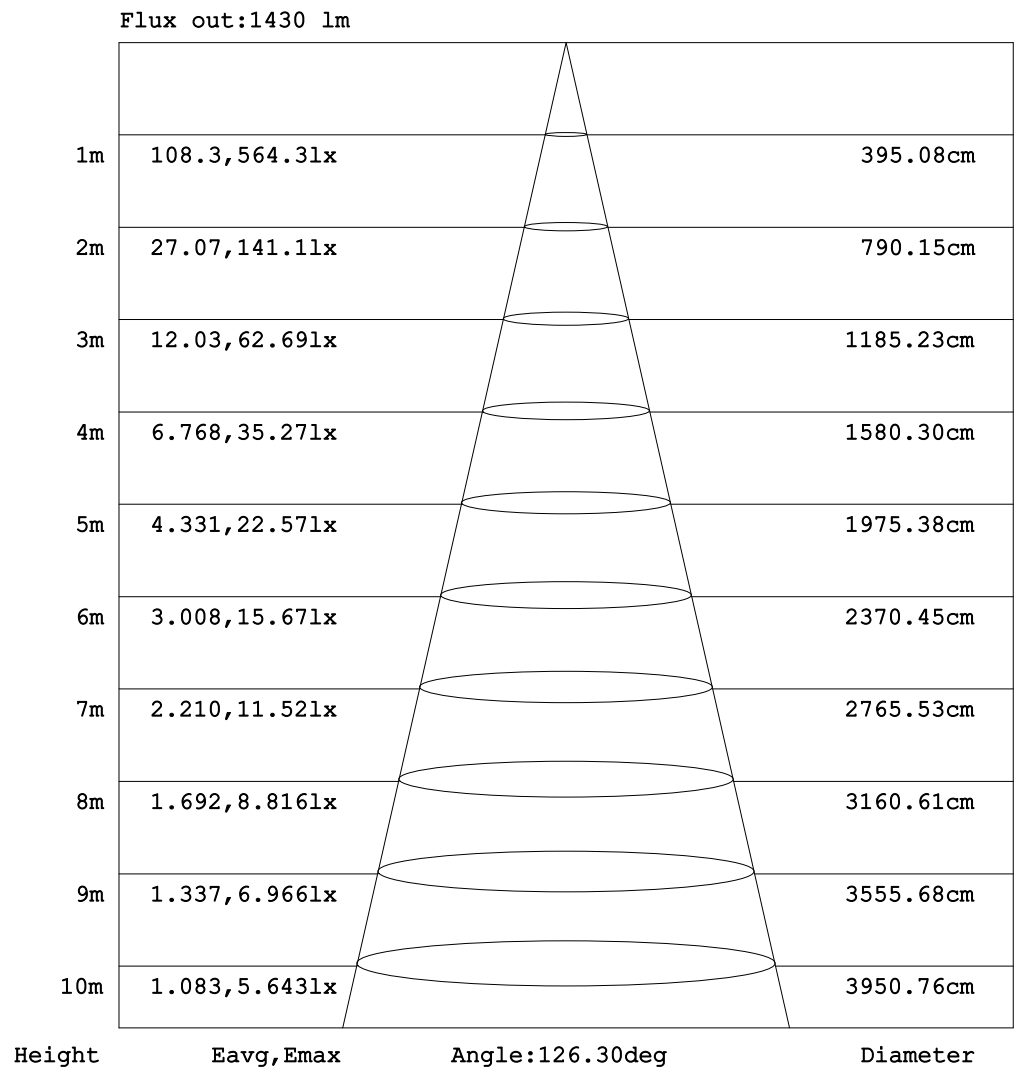


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:14 November 2016

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.4V I:0.0914A P:20.29W PF:0.9635 Freq:50.00Hz Lamp Flux:2225.43x1 lm		
NAME: T60AC	TYPE:T60AC2040K600-2016.11.14	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



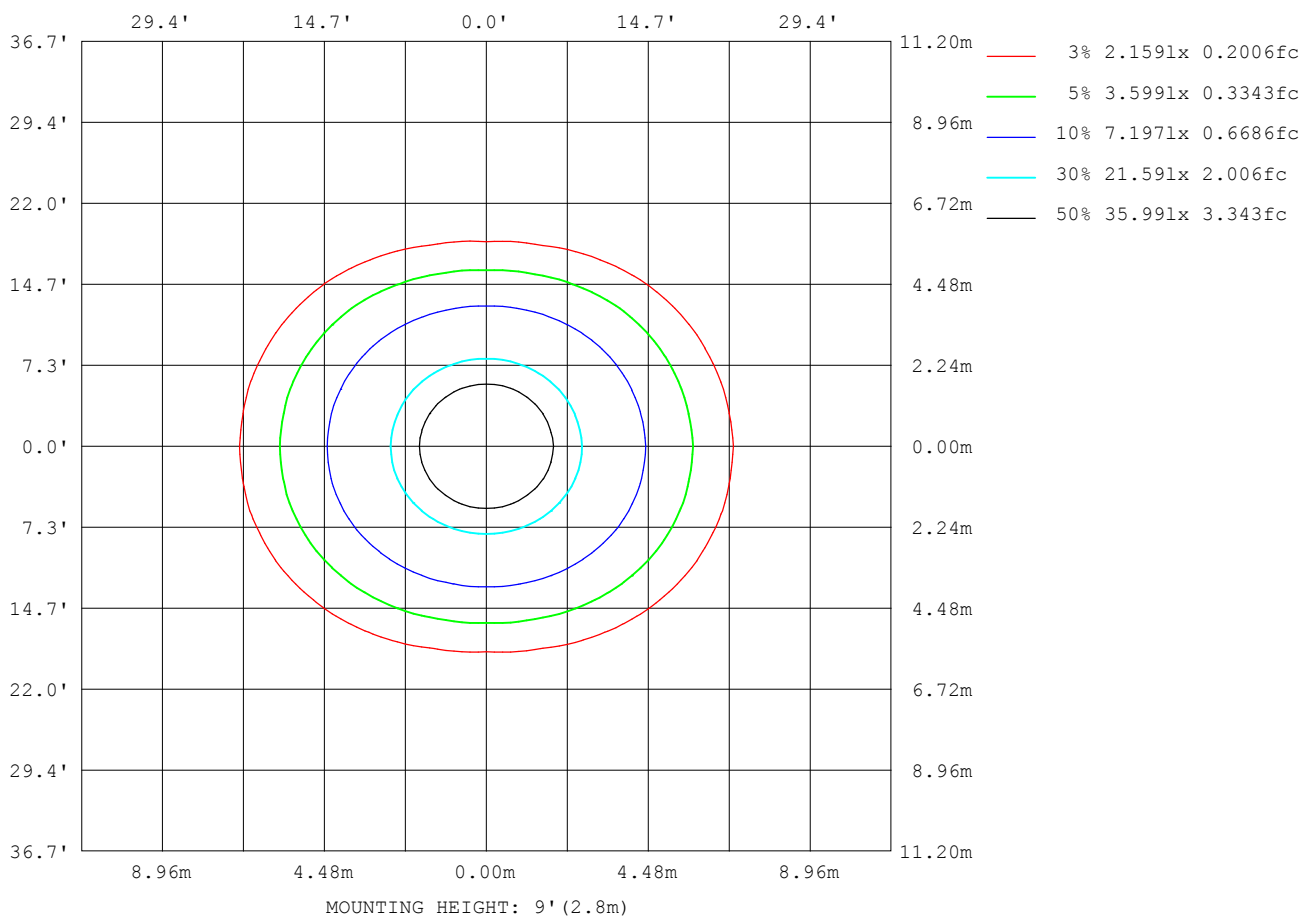
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:14 November 2016

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.500m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:230.4V I:0.0914A P:20.29W PF:0.9635 Freq:50.00Hz Lamp Flux:2225.43x1 lm		
NAME: T60AC	TYPE:T60AC2040K600-2016.11.14	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:QC
 Test Date:14 November 2016

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:10.500m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:230.4V I:0.0914A P:20.29W PF:0.9635 Freq:50.00Hz Lamp Flux:2225.43x1 lm		
NAME: T60AC	TYPE:T60AC2040K600-2016.11.14	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

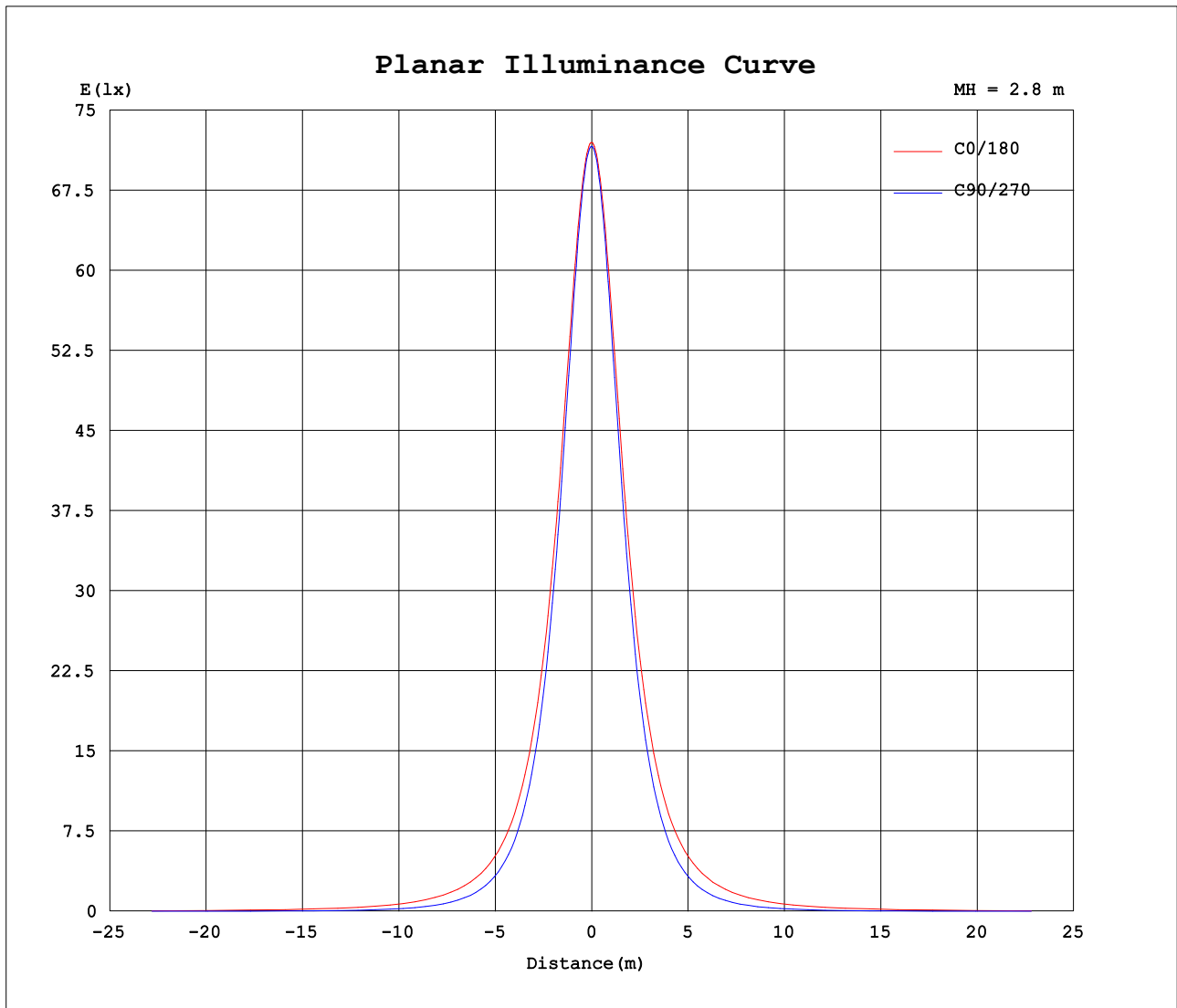
AvgL	cd/m2
L_0~180 (65) av	19125
L_0~180 (75) av	25992
L_0~180 (85) av	62388
L_90~270 (65) av	10796
L_90~270 (75) av	8711
L_90~270 (85) av	4321
L_45 (65) av	15610
L_45 (75) av	19562
L_45 (85) av	42859

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:14 November 2016

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: QC
 Test Date: 14 November 2016

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 10.500m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.4V I:0.0914A P:20.29W PF:0.9635 Freq:50.00Hz Lamp Flux:2225.43x1 lm		
NAME: T60AC	TYPE:T60AC2040K600-2016.11.14	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

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	562	562	562	562	562	562	562	562	562	562	562	562	562	562	562	562	562	562	562
5	560	560	560	560	560	559	559	559	559	560	560	560	560	559	560	559	559	559	559
10	555	555	554	553	552	551	551	551	552	553	554	555	554	553	553	552	551	550	550
15	546	546	544	542	540	538	537	538	539	541	544	545	545	543	542	540	538	536	536
20	533	533	530	526	522	519	518	519	522	526	530	533	532	530	528	524	521	517	517
25	517	517	512	506	500	496	494	496	500	506	512	517	516	514	510	504	498	494	493
30	499	498	492	483	474	469	466	468	474	483	491	498	498	494	489	480	472	466	465
35	478	477	468	457	445	438	434	437	445	456	468	477	477	473	465	454	443	434	432
40	456	454	443	428	413	402	399	401	412	428	442	454	455	450	440	425	410	400	395
45	431	429	415	396	379	365	360	364	378	395	415	429	430	425	412	394	375	362	356
50	405	401	387	364	343	325	320	324	342	363	386	401	403	398	382	362	339	322	315
55	379	374	357	331	306	284	276	283	304	330	357	374	377	371	353	330	302	281	272
60	351	346	328	298	268	242	231	240	266	297	327	347	350	344	324	297	264	238	227
65	324	318	298	266	231	199	184	197	229	265	298	319	323	316	295	265	228	195	181
70	296	290	269	234	195	157	138	155	193	233	269	292	296	289	266	234	193	153	134
75	269	263	241	205	162	118	92.0	115	159	203	241	265	269	262	238	204	160	114	88.4
80	243	237	214	177	131	82.2	49.8	79.2	129	176	214	239	243	236	212	176	130	79.2	46.6
85	217	211	188	151	105	53.3	16.0	50.2	103	150	188	213	218	211	187	151	104	51.4	14.2
90	192	187	164	128	82.7	32.3	0.88	29.4	80.7	127	165	189	193	186	164	128	82.5	31.7	1.38
95	169	164	142	108	64.4	19.5	1.03	17.3	62.6	107	143	167	171	164	142	108	64.8	19.7	1.61
100	148	143	122	89.7	50.3	13.2	1.29	11.7	48.8	89.2	123	145	149	143	122	90.5	50.9	13.8	1.93
105	128	123	104	74.3	39.4	9.69	1.61	8.81	38.3	74.1	105	126	129	124	105	75.4	40.4	10.6	2.31
110	110	105	87.7	61.2	31.2	7.82	2.00	7.32	30.5	61.2	88.9	108	111	106	88.6	62.6	32.4	8.99	2.72
115	92.9	89.0	73.3	50.1	25.0	6.79	2.42	6.57	24.6	50.4	74.7	91.7	94.4	89.8	74.5	51.7	26.5	8.10	3.13
120	77.7	74.3	60.7	40.9	20.3	6.23	2.81	6.25	20.3	41.4	62.1	77.0	79.2	75.4	62.1	42.7	22.0	7.63	3.54
125	64.2	61.3	49.8	33.3	16.8	5.96	3.24	6.18	17.1	34.0	51.3	64.0	65.7	62.5	51.3	35.2	18.6	7.44	3.94
130	52.3	49.9	40.4	27.1	14.0	5.76	3.67	6.25	14.7	27.9	42.0	52.5	53.8	51.2	42.0	29.0	16.0	7.43	4.33
135	41.9	40.1	32.5	21.9	11.5	5.55	4.08	6.39	12.8	23.1	34.2	42.6	43.4	41.5	34.1	24.0	14.0	7.46	4.70
140	33.2	31.7	25.9	17.0	9.61	5.50	4.51	6.48	11.5	19.2	27.6	34.1	34.6	33.3	27.5	20.0	12.5	7.46	5.03
145	25.9	24.8	20.2	13.2	8.31	5.52	4.91	6.47	10.4	16.0	22.2	27.1	27.2	26.4	22.2	16.7	11.3	7.42	5.36
150	19.9	19.2	15.1	10.6	7.43	5.69	5.29	6.49	9.55	13.6	17.9	21.3	21.2	20.9	17.9	14.2	10.3	7.22	5.65
155	15.4	14.9	11.4	8.81	6.86	5.88	5.65	6.53	8.92	11.6	14.6	16.8	16.3	16.4	14.6	12.1	9.47	7.08	5.86
160	12.0	11.2	9.02	7.61	6.59	6.05	5.97	6.62	8.28	10.1	12.0	13.4	12.6	12.9	11.9	10.5	8.65	6.95	6.02
165	9.62	8.44	7.50	6.86	6.53	6.29	6.30	6.71	7.69	8.87	10.00	10.8	9.90	10.4	9.85	9.09	7.69	6.88	6.30
170	7.83	6.77	6.61	6.58	6.59	6.59	6.61	6.86	7.35	7.80	8.26	8.69	7.88	8.50	8.30	7.92	7.38	7.03	6.76
175	6.25	6.30	6.40	6.60	6.73	6.79	6.89	6.98	7.11	7.22	7.29	7.33	6.45	6.67	7.24	7.22	7.23	7.09	7.00
180	6.29	6.42	6.61	6.83	7.10	7.07	7.15	7.14	7.06	6.98	6.87	6.61	6.34	6.43	6.64	6.88	7.09	7.13	7.14

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25.3DEG

Operators:QC

Test Date:14 November 2016

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362

Humidity:65.0%

Test Distance:10.500m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.4V I:0.0914A P:20.29W PF:0.9635 Freq:50.00Hz Lamp Flux:2225.43x1 lm		
NAME: T60AC	TYPE:T60AC2040K600-2016.11.14	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: ERVAN	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	562	562	562	562	562														
5	559	559	559	560	560														
10	551	551	552	553	553														
15	536	538	540	542	543														
20	517	520	524	528	530														
25	494	498	503	509	513														
30	466	472	480	488	494														
35	434	442	453	464	472														
40	399	409	423	438	448														
45	362	374	392	410	423														
50	322	337	360	380	396														
55	280	300	326	350	369														
60	237	262	293	320	341														
65	193	225	261	291	313														
70	151	189	229	262	285														
75	111	156	198	234	258														
80	76.2	126	171	207	231														
85	48.2	99.9	145	182	206														
90	28.6	78.1	123	159	181														
95	17.2	60.6	103	137	159														
100	11.8	47.1	85.3	117	138														
105	9.04	36.9	70.4	99.7	119														
110	7.47	29.2	57.8	83.9	101														
115	6.39	23.5	47.2	70.0	85.4														
120	6.18	18.8	35.8	57.9	71.2														
125	6.07	15.8	28.3	47.3	58.6														
130	5.87	12.7	25.0	34.3	47.6														
135	5.75	10.5	20.1	27.6	38.1														
140	5.72	9.02	15.2	23.1	30.1														
145	5.76	7.96	11.7	18.3	21.8														
150	5.82	7.23	9.65	13.4	16.7														
155	5.81	6.69	8.17	10.2	12.8														
160	5.83	6.26	7.10	8.21	9.77														
165	6.11	6.21	6.33	6.77	7.51														
170	6.57	6.49	6.33	6.22	6.21														
175	6.83	6.72	6.53	6.23	6.00														
180	7.10	7.06	6.98	6.87	6.60														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:QC
Test Date:14 November 2016

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:10.500m [K=1.0000]
Remarks: