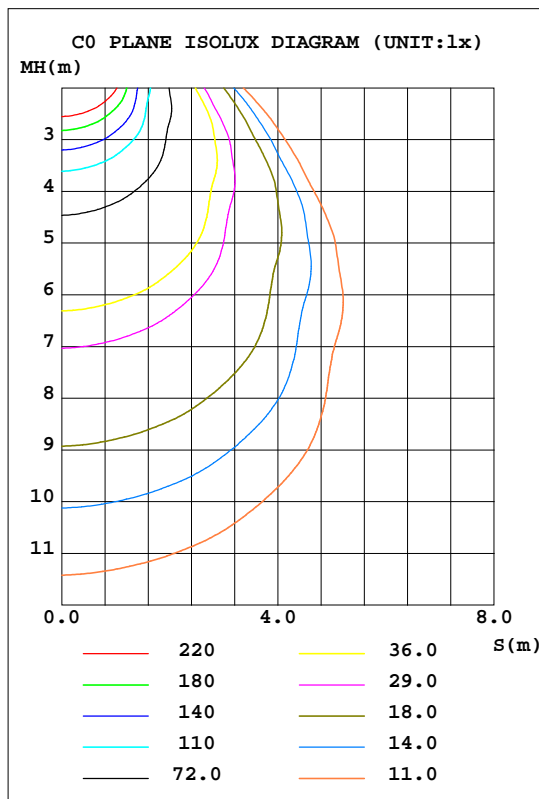
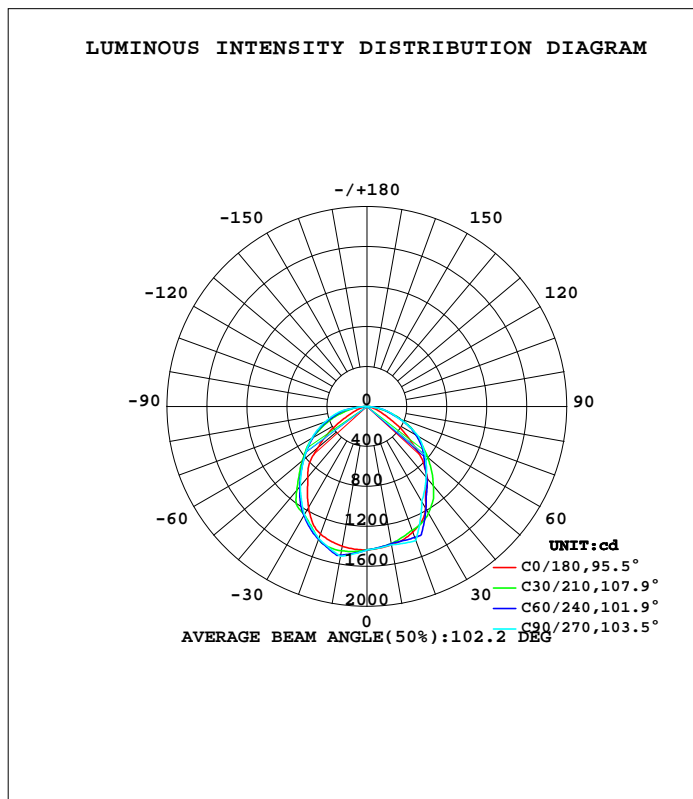


LUMINAIRE PHOTOMETRIC TEST REPORT

NAME: T8 tube	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 94.70 lm/W
MODEL	1.2m	I _{max} (cd)	1523	S/MH(C0/180)	1.21	
NOMINAL POWER(W)	41	LOR(%)	100.0	S/MH(C90/270)	1.15	
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	3890.7	h UP, DN(C0-180)	0.0, 47.9	
NOMINAL FLUX(lm)	3890.71	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0, 52.1	
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	120.9	h down(%)	100.0	CIBSE SHR MAX	1.35	



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DQY
 Test Date:2013-03-11

Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.262
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	1423	1416	1420	1423	1433	1466	1479	1460	0- 5	34.40	34.40	0.88,0.88
10	1406	1392	1405	1403	1420	1490	1523	1480	5- 10	103.1	137.5	3.53,3.53
15	1383	1366	1417	1374	1396	1488	1465	1482	10- 15	169.8	307.3	7.9,7.9
20	1339	1363	1428	1362	1358	1422	1408	1417	15- 20	231.1	538.5	13.8,13.8
25	1282	1362	1264	1351	1288	1358	1330	1350	20- 25	283.4	821.8	21.1,21.1
30	1174	1273	1099	1268	1171	1276	1253	1264	25- 30	320.0	1142	29.3,29.3
35	1024	1136	1010	1144	1042	1171	1146	1153	30- 35	341.6	1483	38.1,38.1
40	942.3	1026	921.3	1033	925.1	1054	1038	1041	35- 40	353.3	1837	47.2,47.2
45	801.3	896.3	842.4	900.6	822.8	949.6	931.8	934.8	40- 45	351.8	2189	56.2,56.2
50	614.2	775.0	763.4	800.0	640.3	851.1	825.3	826.1	45- 50	339.3	2528	65,65
55	458.6	691.7	678.9	702.7	479.1	741.2	731.7	719.5	50- 55	317.0	2845	73.1,73.1
60	306.1	602.2	594.4	605.0	323.0	642.5	638.0	614.9	55- 60	286.8	3132	80.5,80.5
65	186.2	472.5	457.8	476.6	194.7	524.3	539.9	503.5	60- 65	248.5	3380	86.9,86.9
70	116.3	348.0	321.2	349.6	116.7	404.3	441.9	390.9	65- 70	200.2	3580	92,92
75	68.52	216.8	237.7	220.2	67.25	291.0	350.1	278.9	70- 75	148.9	3729	95.8,95.8
80	35.87	136.4	154.3	136.3	34.44	209.5	258.2	197.5	75- 80	103.5	3833	98.5,98.5
85	16.13	38.94	0	36.93	14.72	66.81	0	62.93	80- 85	53.07	3886	99.9,99.9
90	10.87	0	0	0	6.554	0	0	0	85- 90	4.946	3891	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		

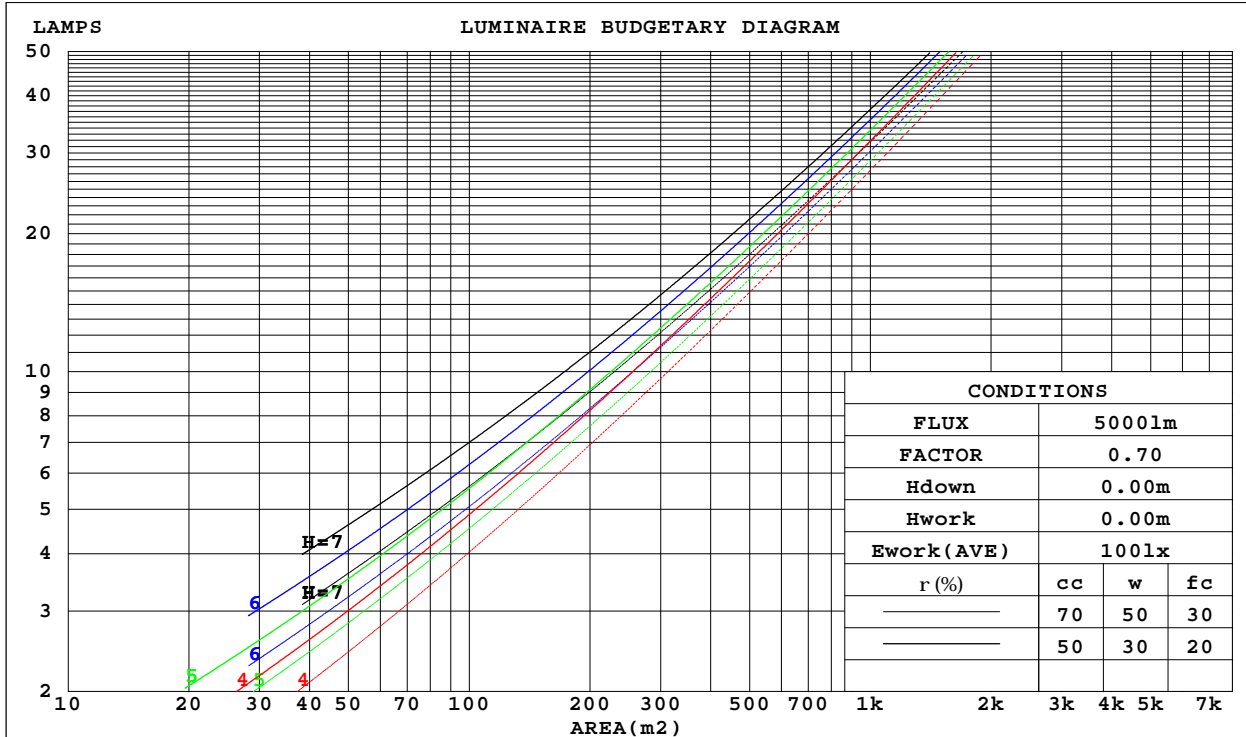
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DQY
Test Date:2013-03-11

g Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: T8 tube	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

r _{cc}	80%			70%			50%			30%			10%			0
r _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r _{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	1.00
1.0	1.04	1.00	.97	1.02	.98	.95	.98	.95	.92	.94	.91	.89	.90	.88	.86	.84
2.0	.91	.85	.79	.89	.83	.78	.86	.81	.76	.83	.78	.75	.80	.76	.73	.71
3.0	.80	.72	.66	.79	.71	.65	.76	.69	.64	.73	.68	.63	.71	.66	.62	.60
4.0	.71	.63	.56	.70	.62	.56	.68	.61	.55	.65	.59	.54	.63	.58	.54	.51
5.0	.64	.55	.49	.63	.54	.48	.61	.53	.48	.59	.52	.47	.57	.51	.47	.45
6.0	.58	.49	.43	.57	.48	.42	.55	.47	.42	.53	.47	.42	.52	.46	.41	.39
7.0	.52	.44	.38	.52	.43	.38	.50	.43	.37	.49	.42	.37	.47	.41	.37	.35
8.0	.48	.39	.34	.47	.39	.34	.46	.39	.33	.45	.38	.33	.43	.37	.33	.31
9.0	.44	.36	.30	.43	.36	.30	.42	.35	.30	.41	.35	.30	.40	.34	.30	.28
10.0	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.37	.31	.27	.25



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DQY
 Test Date:2013-03-11

Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.262
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks:

WEC AND CCEC

NAME: T8 tube	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.299	.170	.054	.292	.167	.053	.279	.160	.051	.267	.154	.049	.256	.148	.048	
2.0	.283	.155	.048	.277	.153	.047	.266	.148	.046	.255	.143	.045	.245	.139	.044	
3.0	.263	.140	.042	.258	.138	.042	.248	.134	.041	.238	.130	.040	.229	.127	.039	
4.0	.244	.127	.037	.239	.125	.037	.230	.122	.036	.221	.119	.036	.213	.116	.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	.192	.100	.029	.186	.098	.029	
7.0	.195	.097	.027	.192	.096	.027	.186	.094	.027	.180	.092	.027	.174	.090	.027	
8.0	.183	.089	.025	.180	.089	.025	.174	.087	.025	.169	.085	.025	.164	.084	.024	
9.0	.172	.083	.023	.169	.082	.023	.164	.081	.023	.159	.080	.023	.154	.078	.023	
10.0	.161	.077	.021	.159	.077	.021	.154	.076	.021	.150	.074	.021	.146	.073	.021	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	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	.060	.053	.047	.019	.017	.015	
2.0	.171	.132	.099	.147	.114	.086	.100	.079	.060	.058	.046	.035	.019	.015	.011	
3.0	.163	.114	.075	.140	.099	.065	.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	.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	.064	.025	.105	.056	.022	.073	.039	.016	.042	.023	.009	.014	.008	.003	
10.0	.116	.060	.023	.100	.052	.020	.069	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DQY
 Test Date:2013-03-11

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.262
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks:

Uncorrected UGR Table

NAME: T8 tube		TYPE:					WEIGHT:				
DIM.:		SPEC.:					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	2H	18.9	20.4	19.2	20.6	20.8	19.4	20.9	19.7	21.1	21.3
	3H	19.8	21.1	20.1	21.4	21.6	20.8	22.2	21.1	22.4	22.6
	4H	19.9	21.2	20.2	21.5	21.7	21.3	22.6	21.6	22.9	23.1
	6H	19.9	21.1	20.2	21.4	21.7	21.8	23.0	22.1	23.3	23.6
	8H	19.9	21.1	20.2	21.4	21.6	21.9	23.1	22.2	23.4	23.7
	12H	19.8	21.0	20.2	21.3	21.6	21.9	23.0	22.2	23.3	23.6
	4H 2H	19.7	21.0	20.0	21.3	21.5	20.1	21.4	20.4	21.6	21.9
	3H	20.9	22.1	21.3	22.4	22.7	21.6	22.7	21.9	23.0	23.3
	4H	21.3	22.4	21.7	22.7	23.0	22.2	23.3	22.6	23.6	23.9
	6H	21.5	22.4	21.9	22.8	23.1	22.8	23.8	23.2	24.1	24.5
	8H	21.5	22.4	21.9	22.7	23.1	23.0	23.9	23.4	24.2	24.6
	12H	21.5	22.3	21.9	22.7	23.1	23.0	23.8	23.4	24.2	24.6
	8H 4H	21.6	22.5	22.1	22.9	23.3	22.5	23.3	22.9	23.7	24.1
	6H	22.0	22.7	22.5	23.1	23.6	23.2	24.0	23.7	24.4	24.8
	8H	22.1	22.8	22.6	23.2	23.6	23.4	24.1	23.9	24.5	25.0
	12H	22.2	22.7	22.7	23.2	23.7	23.5	24.0	23.9	24.4	24.9
	12H 4H	21.7	22.5	22.1	22.9	23.3	22.5	23.3	22.9	23.6	24.1
	6H	22.1	22.7	22.6	23.2	23.6	23.3	23.9	23.7	24.3	24.8
	8H	22.3	22.8	22.8	23.3	23.7	23.5	24.1	24.0	24.5	25.0
Variations with the observer position at spacings:											
S = 1.0H		+ 0.4 / - 0.4					+ 0.1 / - 0.2				
1.5H		+ 0.4 / - 0.6					+ 0.1 / - 0.2				
2.0H		+ 0.5 / - 1.6					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 3891 lm Total Lamp Luminous Flux.(8log(F/F0) = 4.7)

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DQY
Test Date:2013-03-11

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: T8 tube	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

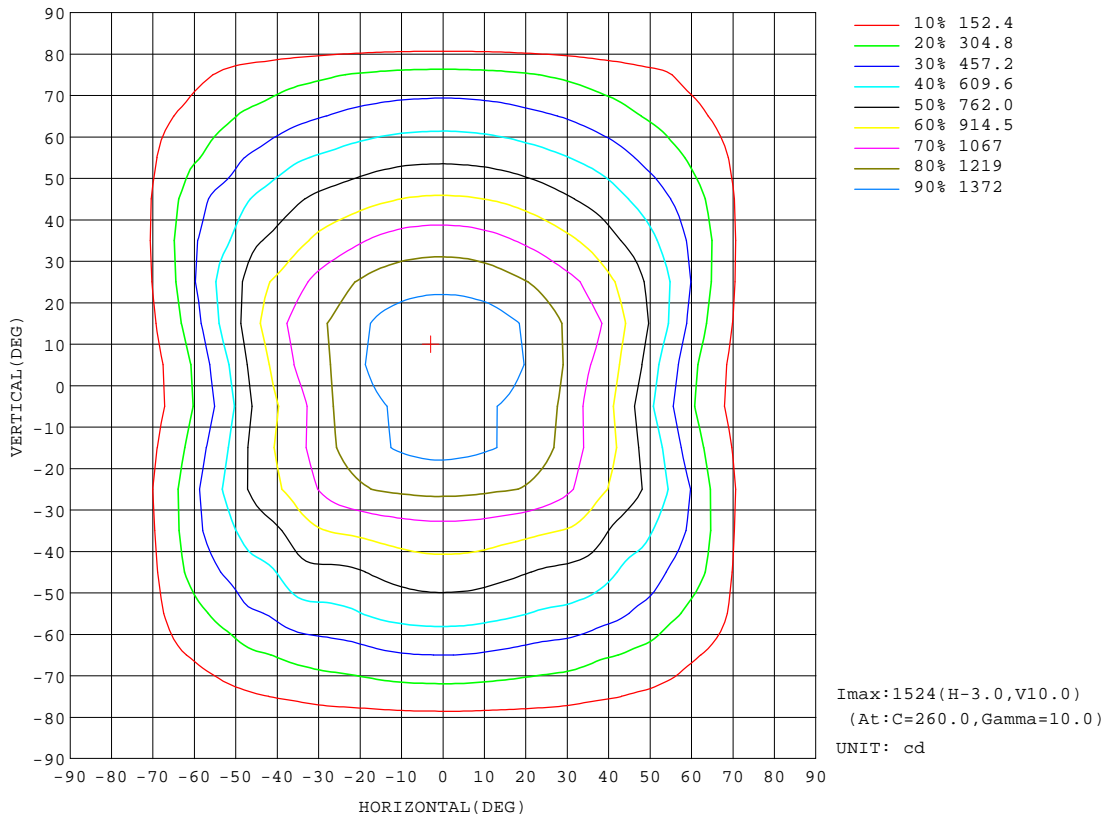
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	59	48	41	58	47	41	57	47	41	34
0.80	69	58	51	68	57	50	66	56	50	43
1.00	77	67	59	76	66	59	74	67	59	52
1.25	84	74	67	83	73	67	80	72	66	59
1.50	89	80	73	88	79	72	85	77	71	64
2.00	96	88	81	94	86	81	91	84	79	71
2.50	100	92	86	98	91	85	94	88	84	75
3.00	103	96	91	101	95	90	97	92	88	79
4.00	107	101	97	104	100	95	100	96	93	84
5.00	109	104	101	107	103	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:DQY
Test Date:2013-03-11

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: T8 tube	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



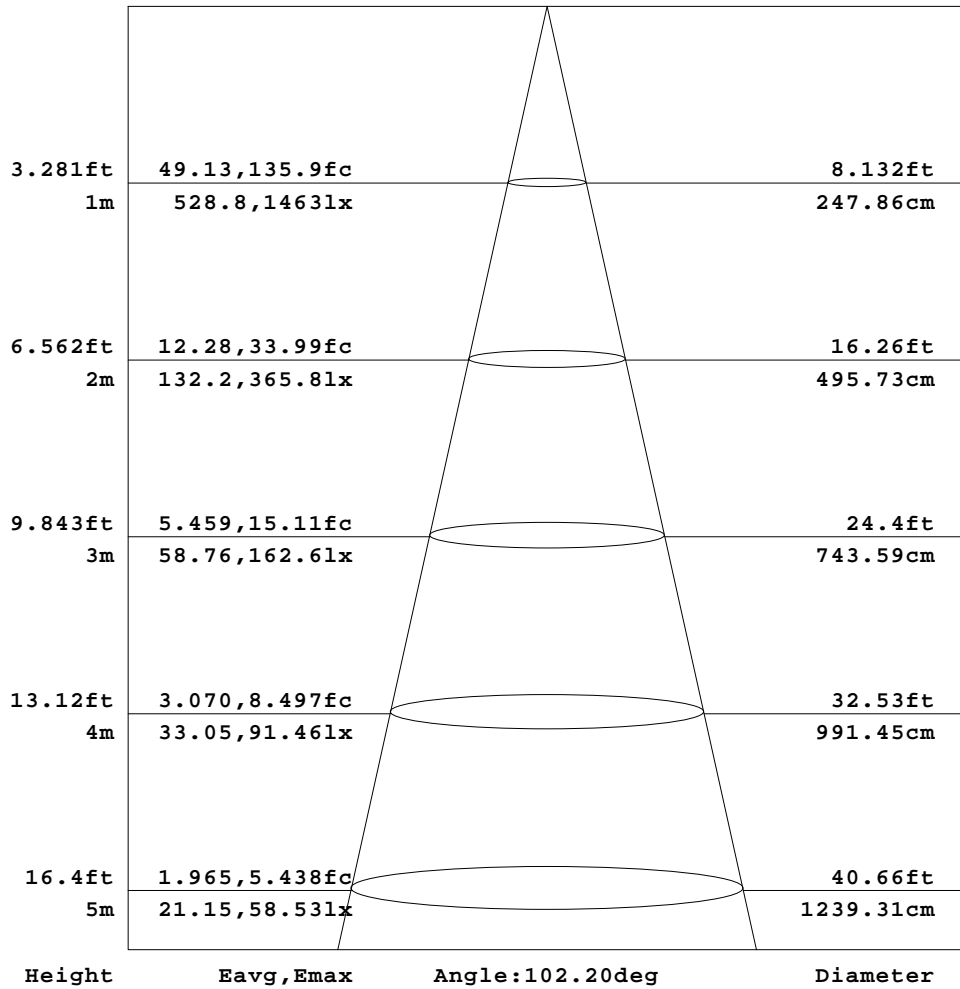
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DQY
 Test Date:2013-03-11

Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.262
 Humidity:65.0%
 Test Distance:8.700m [K=1.0000]
 Remarks:

AAI Figure

NAME: T8 tube	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Flux out:2626 lm



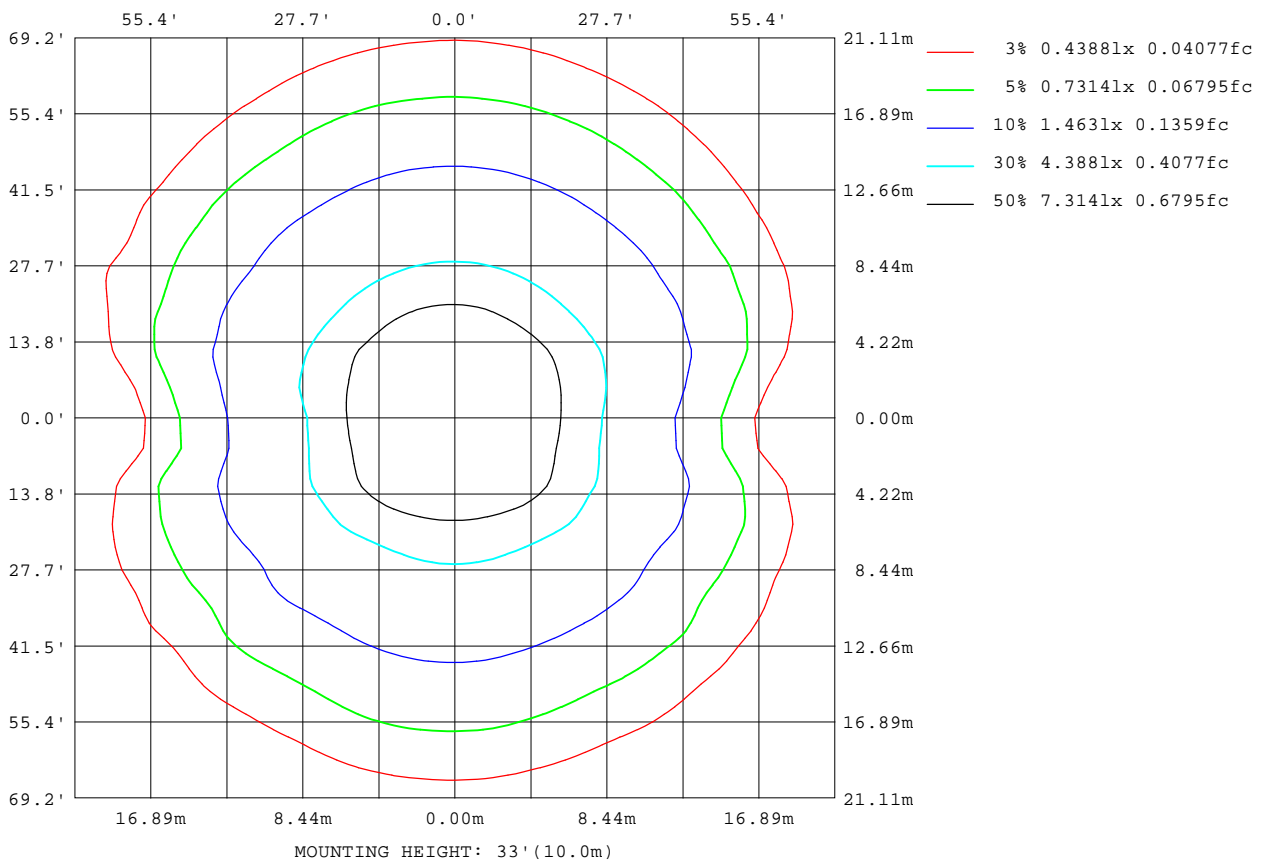
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DQY
Test Date:2013-03-11

Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: T8 tube	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DQY
 Test Date: 2013-03-11

Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.262
 Humidity: 65.0%
 Test Distance: 8.700m [K=1.0000]
 Remarks:

Average Luminance Table(CIBSE)

NAME: T8 tube	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	3890.71	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.168	sq.m.
Angle to the downward vertical from light centre	Gamma	from data	deg

Table 1. Calculation parameters for determination of CIBSE LG3:1996 Average Luminance

G deg	C plane(deg)																		
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	4759	5752	7115	6979	7008	7097	6864	6828	6972	7046	7026	6886	6751	7171	6920	7093	7120	5771	4972
60	3644	5164	6827	6797	7014	7005	6718	6735	6968	7076	7067	6833	6623	7084	6788	6888	6805	5338	3845
65	2622	4567	6277	6635	6715	6596	6445	6299	6385	6448	6473	6363	6366	6766	6600	6589	6417	4761	2742
70	2024	3600	5780	6006	6209	5811	5792	5542	5540	5590	5600	5517	5708	6006	6466	6151	5847	3745	2031
75	1576	2585	5068	5237	5210	4913	5256	5287	5397	5467	5418	5229	5209	4918	5318	5335	5006	2675	1547
80	1230	1911	4138	4113	4566	4799	5062	5249	5292	5288	5226	5185	5022	4795	4528	4213	4042	1885	1181
85	1101	1894	3447	3936	3048	2179	1326	627	159	0	157	619	1310	2180	2943	3778	3378	1790	1006

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

CIBSE Category	Gamma (deg)	Average Luminance		Patch Luminance	
		maximum	specified	maximum	specified
		calculated	maximum	measured	maximum
Category 1	55 to 90	7171	200	---	500
Category 2	65 to 90	6766	200	---	500
Category 3	75 to 90	5467	200	---	500

Table 3. Tabulation of Average and Patch Luminance(cd/sq.m.) for defined CIBSE categories

No match

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DQY
Test Date:2013-03-11

g Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

Average Luminance Table(CIBSE)

NAME: T8 tube	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	3890.71	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.168	sq.m.
Angle to the downward vertical from light centre	Gamma	from data	deg

Table 1. Calculation parameters for determination of CIBSE LG3:2001 Average Luminance

G deg	C plane(deg)																		
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	4759	5752	7115	6979	7008	7097	6864	6828	6972	7046	7026	6886	6751	7171	6920	7093	7120	5771	4972
60	3644	5164	6827	6797	7014	7005	6718	6735	6968	7076	7067	6833	6623	7084	6788	6888	6805	5338	3845
65	2622	4567	6277	6635	6715	6596	6445	6299	6385	6448	6473	6363	6366	6766	6600	6589	6417	4761	2742
70	2024	3600	5780	6006	6209	5811	5792	5542	5540	5590	5600	5517	5708	6006	6466	6151	5847	3745	2031
75	1576	2585	5068	5237	5210	4913	5256	5287	5397	5467	5418	5229	5209	4918	5318	5335	5006	2675	1547
80	1230	1911	4138	4113	4566	4799	5062	5249	5292	5288	5226	5185	5022	4795	4528	4213	4042	1885	1181
85	1101	1894	3447	3936	3048	2179	1326	627	159	0	157	619	1310	2180	2943	3778	3378	1790	1006

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

range (deg)	Maximum measured	Average Luminance(cd/sq.m)			
		Maximum limit for screen type & software category used			
		Type I,II screen Some neg.s'ware	Type I,II screen Only pos.s'ware	Type III screen Some neg.s'ware	Type III screen Only pos.s'ware
55 to 90	7171	1000	1500	200	500
65 to 90	6766	1000	1500	200	500

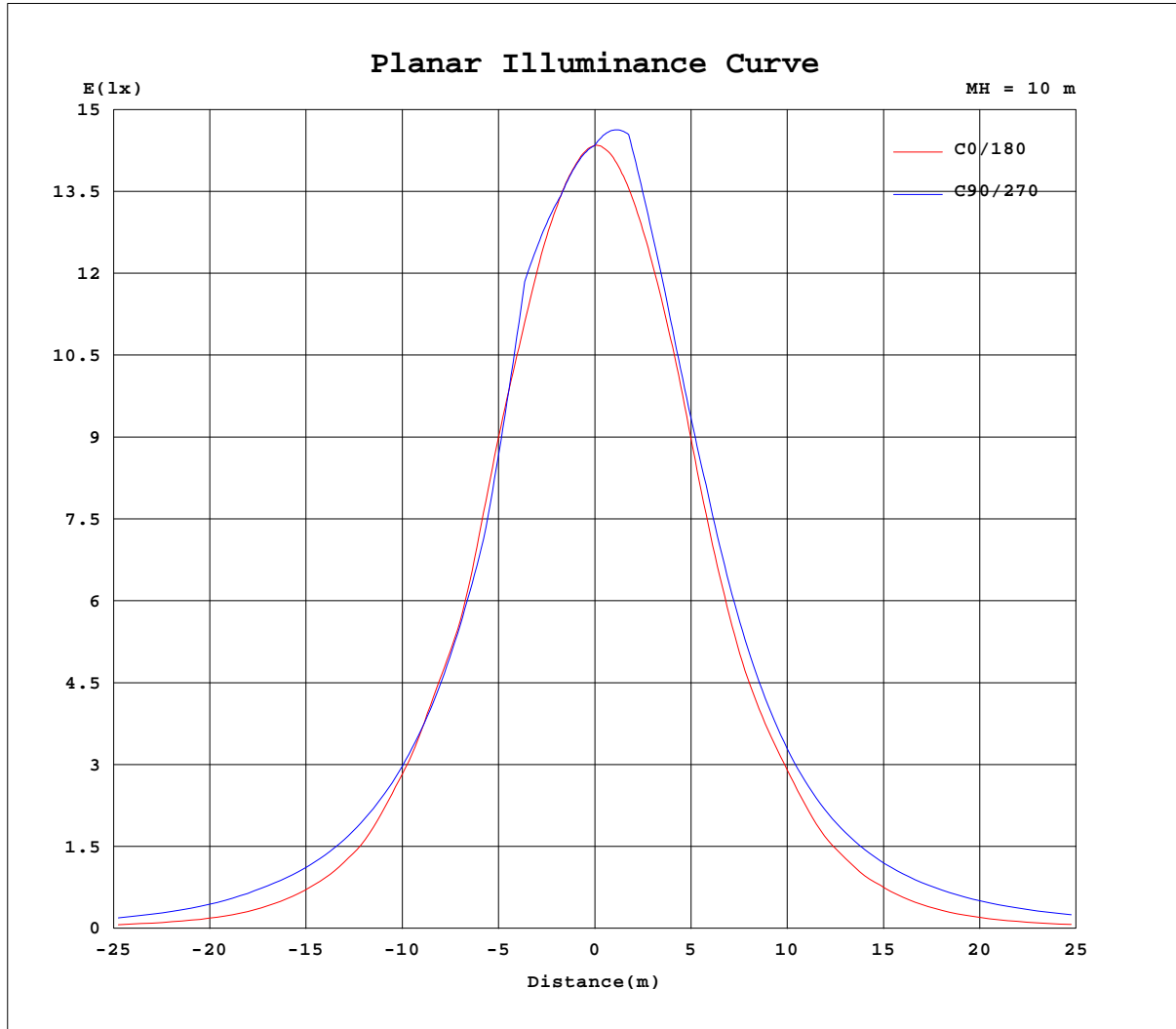
Table 3. Tabulation of average luminance(cd/sq.m.) and luminance limits

No match

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DQY
Test Date:2013-03-11

g Range: 0 - 90DEG
g Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: DQY
 Test Date: 2013-03-11

Page Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System: EVERFINE GO-2000A_V1 SYSTEM V2.0.262
 Humidity: 65.0%
 Test Distance: 8.700m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: T8 tube	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435
5	1423	1421	1420	1419	1418	1417	1417	1417	1416	1416	1416	1416	1416	1416	1417	1417	1418	1419	1420
10	1406	1403	1400	1397	1396	1394	1393	1393	1392	1392	1394	1395	1395	1396	1398	1399	1400	1402	1405
15	1383	1376	1371	1367	1363	1360	1357	1357	1359	1366	1375	1384	1391	1398	1403	1408	1412	1415	1417
20	1339	1331	1325	1320	1318	1316	1319	1335	1349	1363	1373	1385	1395	1404	1413	1419	1424	1428	1428
25	1282	1272	1265	1261	1260	1270	1290	1315	1341	1362	1379	1362	1332	1310	1293	1280	1270	1265	1264
30	1174	1164	1161	1161	1176	1203	1233	1266	1292	1273	1247	1213	1182	1154	1135	1119	1106	1101	1099
35	1024	1030	1042	1057	1081	1113	1152	1162	1154	1136	1106	1070	1044	1026	1018	1015	1012	1011	1010
40	942	937	940	966	1001	1033	1035	1043	1047	1026	986	953	933	921	917	919	921	922	921
45	801	791	796	866	936	934	918	924	921	896	856	824	818	822	826	833	839	842	842
50	614	625	664	762	816	815	794	784	792	775	757	744	740	742	745	751	758	762	763
55	459	471	554	671	686	702	673	643	675	692	684	677	661	657	658	663	672	677	679
60	306	326	434	520	573	570	571	561	589	602	588	579	564	559	566	575	585	592	594
65	186	221	324	403	446	456	471	485	477	472	468	471	458	446	447	449	453	457	458
70	116	142	207	275	332	349	345	361	357	348	334	335	333	324	318	317	318	321	321
75	68.5	88.0	112	162	220	226	228	230	227	217	214	218	229	230	230	232	235	237	238
80	35.9	43.0	55.8	92.4	121	122	120	131	133	136	140	143	148	150	153	154	154	155	154
85	16.1	18.5	27.7	40.9	50.5	54.5	57.6	50.5	44.6	38.9	31.9	25.7	19.4	13.9	9.19	5.23	2.33	0.59	0.00
90	10.9	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	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:DQY
Test Date:2013-03-11

g Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: T8 tube	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) g (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435
5	1420	1421	1421	1421	1422	1422	1422	1423	1423	1424	1425	1426	1427	1428	1429	1430	1432	1433	1437
10	1406	1406	1406	1406	1406	1405	1404	1403	1403	1402	1403	1404	1406	1407	1410	1413	1416	1420	1427
15	1417	1416	1414	1410	1405	1399	1392	1384	1374	1366	1365	1365	1367	1370	1374	1381	1388	1396	1404
20	1429	1427	1422	1416	1410	1401	1390	1377	1362	1346	1329	1311	1310	1315	1323	1332	1344	1358	1359
25	1267	1274	1283	1298	1316	1337	1359	1373	1351	1326	1302	1279	1259	1252	1258	1266	1275	1288	1282
30	1103	1112	1124	1141	1164	1190	1218	1243	1268	1287	1262	1231	1204	1178	1164	1160	1162	1171	1178
35	1011	1013	1016	1022	1035	1056	1084	1118	1144	1159	1165	1159	1119	1078	1039	1033	1035	1042	1084
40	921	919	914	912	916	929	955	994	1033	1040	1038	1046	1051	1005	964	933	924	925	978
45	843	838	831	821	811	802	817	862	901	914	913	919	934	930	873	819	815	823	851
50	765	760	755	745	737	728	737	768	800	796	783	802	819	827	777	686	645	640	696
55	680	677	672	664	653	650	662	691	703	667	648	684	701	686	664	556	481	479	535
60	594	594	588	574	559	556	568	595	605	570	569	579	577	572	537	448	339	323	378
65	458	460	459	452	445	452	465	480	477	469	492	468	472	456	404	338	224	195	242
70	321	322	320	317	319	328	336	345	350	372	360	353	353	336	275	215	146	117	154
75	237	236	232	227	226	227	221	214	220	231	232	232	229	218	163	116	90.1	67.3	91.4
80	153	152	153	151	150	147	142	140	136	132	128	123	128	118	89.5	55.0	42.9	34.4	47.1
85	0.58	2.30	5.18	9.07	13.9	19.2	25.1	31.9	36.9	43.1	49.2	55.3	54.6	49.5	40.0	26.2	17.1	14.7	20.1
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	6.55	0.00

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DQY
Test Date:2013-03-11

g Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: T8 tube	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

C(DEG) g (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435
5	1441	1445	1448	1452	1456	1459	1462	1466	1468	1471	1473	1476	1477	1478	1478	1479	1479	1478	1477
10	1435	1442	1450	1458	1466	1474	1482	1490	1497	1504	1510	1515	1518	1521	1523	1523	1523	1523	1521
15	1413	1423	1434	1446	1458	1473	1488	1488	1485	1480	1477	1474	1472	1470	1468	1466	1465	1466	1467
20	1364	1372	1383	1399	1416	1420	1421	1422	1419	1417	1416	1412	1410	1410	1409	1408	1408	1408	1410
25	1281	1285	1293	1307	1323	1338	1351	1358	1361	1354	1345	1342	1338	1335	1334	1331	1330	1330	1331
30	1189	1199	1210	1232	1255	1275	1287	1276	1271	1266	1263	1261	1261	1259	1256	1255	1253	1251	1249
35	1128	1164	1171	1189	1217	1205	1183	1171	1166	1167	1165	1161	1159	1155	1150	1148	1146	1145	1144
40	1042	1076	1084	1104	1095	1077	1061	1054	1054	1051	1049	1047	1045	1044	1041	1040	1038	1038	1037
45	894	949	990	975	960	944	943	950	947	940	936	936	935	936	934	933	932	931	930
50	760	824	881	866	845	838	839	851	846	834	828	827	827	828	828	827	825	823	824
55	627	724	715	744	743	728	731	741	737	728	725	726	730	732	733	732	732	729	728
60	483	562	599	606	628	635	637	642	636	629	629	634	638	640	639	638	638	636	633
65	361	437	487	522	502	527	519	524	530	531	529	535	537	539	539	539	540	538	535
70	227	311	377	380	386	391	393	404	415	417	419	428	432	436	439	440	442	441	437
75	131	202	242	256	267	285	296	291	302	312	319	329	336	343	347	349	350	348	345
80	68.2	109	145	151	171	192	207	210	220	226	230	236	244	252	255	258	258	256	253
85	32.3	52.4	73.3	85.6	90.1	83.1	79.1	66.8	55.1	42.8	31.6	22.5	14.8	8.61	3.87	0.98	0.00	0.97	3.84
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:DQY
Test Date:2013-03-11

g Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: T8 tube	TYPE:	WEIGHT:
DIM.:	SPEC.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

C(DEG) g (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435	1435				
5	1476	1474	1472	1470	1467	1463	1460	1456	1452	1448	1444	1439	1435	1431	1427				
10	1519	1515	1509	1502	1495	1488	1480	1472	1465	1456	1448	1439	1430	1422	1414				
15	1468	1468	1470	1471	1475	1479	1482	1480	1466	1452	1438	1425	1412	1401	1392				
20	1411	1411	1413	1416	1417	1417	1417	1416	1417	1419	1403	1387	1372	1359	1348				
25	1332	1333	1338	1341	1347	1352	1350	1349	1345	1342	1340	1330	1312	1298	1288				
30	1246	1243	1240	1239	1243	1252	1264	1278	1272	1260	1247	1232	1213	1194	1181				
35	1142	1139	1136	1135	1136	1144	1153	1163	1179	1188	1164	1141	1125	1094	1058				
40	1035	1037	1033	1033	1034	1036	1041	1052	1067	1085	1100	1079	1060	1024	976				
45	930	931	930	930	930	931	935	940	944	954	968	968	927	896	845				
50	824	824	822	822	820	823	826	830	828	826	839	840	807	764	689				
55	725	723	718	716	712	714	720	722	713	716	716	695	689	608	530				
60	628	624	621	617	614	612	615	607	599	603	591	584	541	463	369				
65	530	524	521	518	516	509	504	493	486	482	474	446	405	334	238				
70	433	423	417	413	405	396	391	374	364	360	357	334	283	207	149				
75	340	331	323	315	302	287	279	273	266	247	235	221	177	114	86.7				
80	248	242	235	226	216	207	197	189	180	152	139	126	93.1	59.7	42.0				
85	8.48	14.8	22.4	31.1	40.7	51.4	62.9	72.8	81.2	82.9	76.6	62.7	44.5	28.3	18.4				
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:DQY
Test Date:2013-03-11

g Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.0.262
Humidity:65.0%
Test Distance:8.700m [K=1.0000]
Remarks: