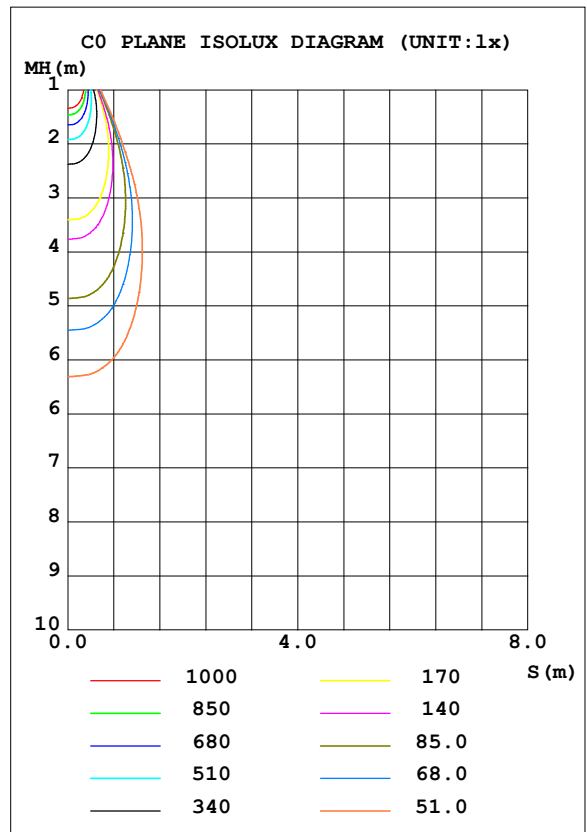
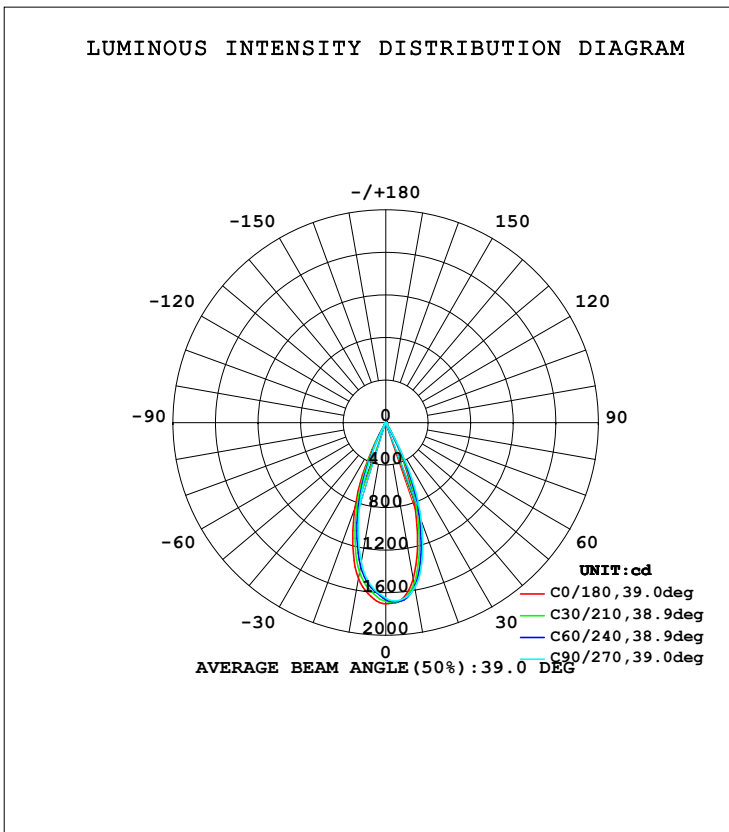


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.7V I:0.0440A P:9.880W PF:0.9580 Lamp Flux:674.862x1 lm		
NAME: TOPAZ 927 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 68.31 lm/W			
MODEL		I <sub>max</sub> (cd)	1703	S/MH (C0/180)	0.63
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	0.56
RATED VOLTAGE (V)		TOTAL FLUX (lm)	674.86	η UP, DN (C0-180)	0.0, 56.5
NOMINAL FLUX (lm)	674.862	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 43.5
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE (V)		η down (%)	100.0	CIBSE SHR MAX	0.65



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: yu  
 Test Date: 2018-10-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity: 65.0%  
 Test Distance: 8.000m [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
10	1490	1558	1574	1545	1489	1391	1332	1319	0- 10	149.2	149.2	22.1,22.1
20	777.3	894.3	971.1	977.6	846.7	720.3	638.8	613.5	10- 20	316.1	465.2	68.9,68.9
30	57.75	91.47	134.0	162.5	80.09	50.17	36.95	32.46	20- 30	186.0	651.2	96.5,96.5
40	9.844	11.58	12.27	12.83	9.940	8.888	8.255	7.922	30- 40	15.92	667.2	98.9,98.9
50	3.778	3.940	4.106	4.221	3.762	3.743	3.578	3.455	40- 50	4.875	672.0	99.6,99.6
60	0.8432	1.345	1.404	1.345	0.6266	1.327	1.310	1.170	50- 60	2.112	674.1	99.9,99.9
70	0.1368	0.0889	0.1094	0.0889	0.0888	0.1231	0.0615	0.0890	60- 70	0.4698	674.6	100,100
80	0.1025	0.0820	0.1025	0.0682	0.0342	0.0889	0.0478	0.0615	70- 80	0.0875	674.7	100,100
90	0.1025	0.1025	0.0957	0.0889	0.0342	0.0410	0.0478	0.0410	80- 90	0.0762	674.8	100,100
100	0.1094	0.1025	0.1094	0.1094	0.0615	0.0752	0.0752	0.0547	90-100	0.0830	674.9	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0046	674.9	100,100
120	0	0	0	0	0	0	0	0	110-120	0	674.9	100,100
130	0	0	0	0	0	0	0	0	120-130	0	674.9	100,100
140	0	0	0	0	0	0	0	0	130-140	0	674.9	100,100
150	0	0	0	0	0	0	0	0	140-150	0	674.9	100,100
160	0	0	0	0	0	0	0	0	150-160	0	674.9	100,100
170	0	0	0	0	0	0	0	0	160-170	0	674.9	100,100
180	0	0	0	0	0	0	0	0	170-180	0	674.9	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

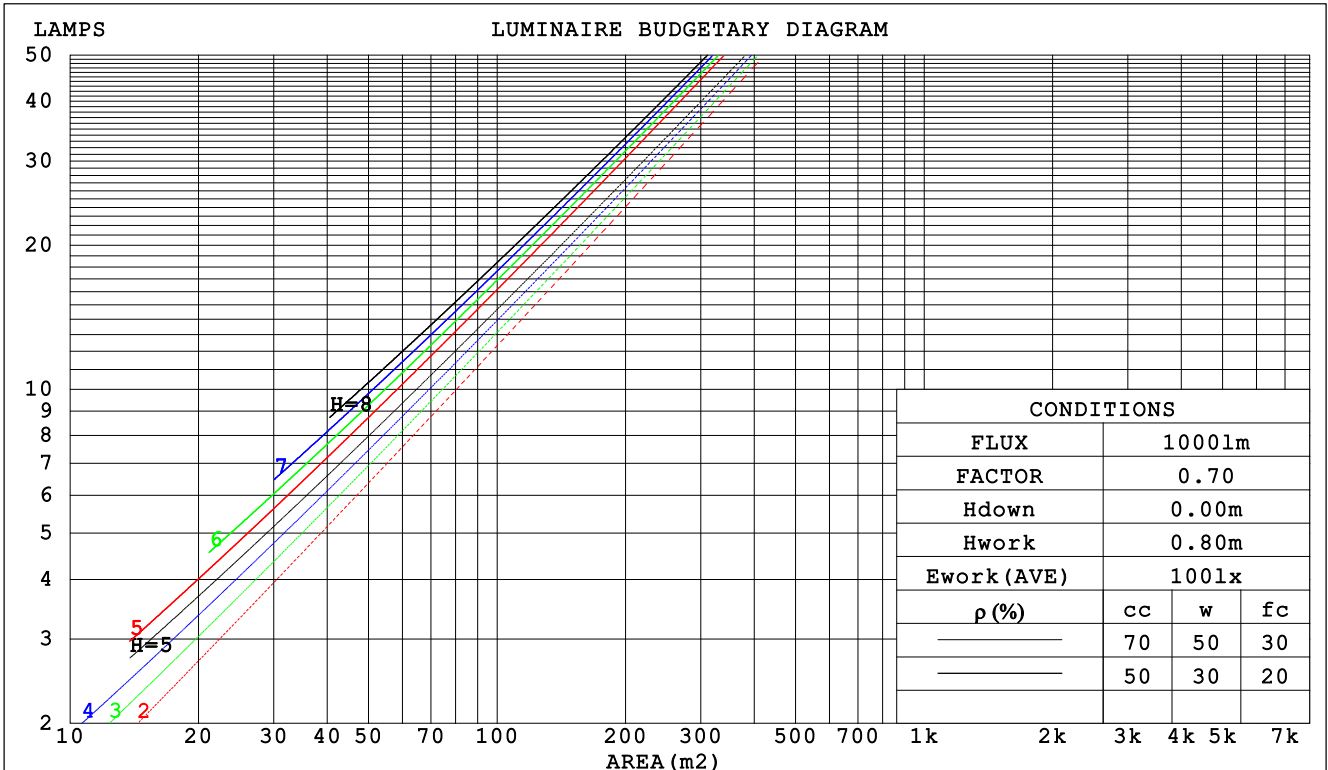
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yu  
 Test Date:2018-10-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.7V I:0.0440A P:9.880W PF:0.9580 Lamp Flux:674.862x1 lm		
NAME: TOPAZ 927 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	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	.00
1.0	1.12	1.10	1.08	1.10	1.08	1.07	1.06	1.05	1.03	1.03	1.01	1.00	.99	.98	.98	.96
2.0	1.07	1.03	1.01	1.05	1.02	.99	1.02	.99	.97	.99	.97	.95	.96	.95	.93	.92
3.0	1.01	.97	.94	1.00	.96	.94	.98	.95	.92	.95	.93	.91	.93	.91	.89	.88
4.0	.97	.92	.89	.96	.92	.89	.94	.90	.88	.92	.89	.87	.90	.88	.86	.84
5.0	.93	.88	.85	.92	.87	.84	.90	.86	.84	.89	.85	.83	.87	.84	.82	.81
6.0	.89	.84	.81	.88	.84	.81	.87	.83	.80	.85	.82	.80	.84	.81	.79	.78
7.0	.85	.81	.77	.85	.80	.77	.83	.80	.77	.82	.79	.76	.81	.78	.76	.75
8.0	.82	.77	.74	.81	.77	.74	.81	.77	.74	.80	.76	.73	.79	.76	.73	.72
9.0	.79	.74	.71	.79	.74	.71	.78	.74	.71	.77	.73	.71	.76	.73	.71	.70
10.0	.76	.72	.69	.76	.71	.69	.75	.71	.68	.74	.71	.68	.74	.70	.68	.67



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yu  
 Test Date:2018-10-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:230.7V I:0.0440A P:9.880W PF:0.9580 Lamp Flux:674.862x1 lm												
NAME: TOPAZ 927 2700K						TYPE:			WEIGHT:			
SPEC.:						DIM.:			SERIAL No.:			
MFR.:						SUR.:			PROTECTION ANGLE:			

ρ <sub>cc</sub>	80%			70%			50%			30%			10%			0
ρ <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients (WEC)									
0.0																
1.0	.147	.084	.026	.140	.080	.025	.128	.073	.023	.116	.067	.022	.106	.061	.020	
2.0	.137	.075	.023	.132	.073	.022	.121	.068	.021	.112	.063	.020	.103	.058	.018	
3.0	.129	.069	.021	.124	.067	.020	.116	.063	.019	.108	.059	.018	.100	.055	.017	
4.0	.122	.063	.019	.118	.062	.018	.110	.059	.017	.104	.056	.017	.097	.053	.016	
5.0	.115	.059	.017	.112	.057	.017	.106	.055	.016	.100	.053	.016	.094	.050	.015	
6.0	.110	.055	.016	.107	.054	.016	.101	.052	.015	.096	.050	.015	.091	.048	.014	
7.0	.105	.052	.015	.102	.051	.015	.097	.049	.014	.093	.048	.014	.089	.046	.014	
8.0	.100	.049	.014	.098	.048	.014	.094	.047	.013	.090	.046	.013	.086	.044	.013	
9.0	.096	.047	.013	.094	.046	.013	.090	.045	.013	.087	.044	.012	.084	.042	.012	
10.0	.092	.044	.012	.091	.044	.012	.087	.043	.012	.084	.042	.012	.081	.041	.012	

ρ <sub>cc</sub>	80%			70%			50%			30%			10%			0
ρ <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ <sub>fc</sub>	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	.169	.158	.147	.145	.135	.127	.099	.093	.088	.057	.054	.051	.018	.017	.016	
2.0	.152	.133	.117	.130	.114	.101	.089	.079	.070	.051	.046	.041	.016	.015	.013	
3.0	.137	.113	.094	.118	.098	.082	.081	.068	.057	.047	.040	.034	.015	.013	.011	
4.0	.126	.098	.077	.108	.085	.067	.074	.059	.047	.043	.035	.028	.014	.011	.009	
5.0	.116	.086	.064	.099	.075	.056	.068	.052	.040	.040	.031	.023	.013	.010	.008	
6.0	.107	.076	.054	.092	.066	.047	.064	.046	.033	.037	.027	.020	.012	.009	.007	
7.0	.100	.068	.046	.086	.059	.040	.059	.042	.028	.035	.024	.017	.011	.008	.006	
8.0	.094	.062	.040	.081	.054	.035	.056	.038	.025	.033	.022	.015	.011	.007	.005	
9.0	.088	.056	.034	.076	.049	.030	.053	.034	.021	.031	.020	.013	.010	.007	.004	
10.0	.084	.052	.030	.072	.045	.026	.050	.032	.019	.029	.019	.011	.009	.006	.004	

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yu  
 Test Date:2018-10-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

**UGR(Unified Glare Rating) Table**

Test:U:230.7V I:0.0440A P:9.880W PF:0.9580 Lamp Flux:674.862x1 lm										
NAME: TOPAZ 927 2700K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			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	4.4	5.1	4.6	5.3	5.5	5.7	6.4	5.9	6.5	6.7
3H	4.3	5.0	4.5	5.1	5.3	5.5	6.2	5.8	6.4	6.6
4H	4.2	4.8	4.5	5.1	5.3	5.4	6.1	5.7	6.3	6.5
6H	4.1	4.7	4.4	5.0	5.2	5.4	6.0	5.7	6.2	6.4
8H	4.1	4.7	4.4	4.9	5.2	5.3	5.9	5.6	6.2	6.4
12H	4.1	4.6	4.4	4.9	5.2	5.3	5.9	5.6	6.1	6.4
4H 2H	4.3	4.9	4.6	5.1	5.4	5.5	6.1	5.8	6.3	6.6
3H	4.1	4.7	4.4	4.9	5.2	5.3	5.9	5.7	6.2	6.4
4H	4.0	4.5	4.4	4.8	5.1	5.3	5.8	5.6	6.1	6.4
6H	4.0	4.4	4.3	4.7	5.1	5.2	5.6	5.5	5.9	6.3
8H	3.9	4.3	4.3	4.7	5.1	5.1	5.5	5.5	5.9	6.3
12H	3.9	4.3	4.3	4.7	5.0	5.1	5.5	5.5	5.8	6.2
8H 4H	3.9	4.3	4.3	4.7	5.0	5.1	5.5	5.5	5.9	6.2
6H	3.8	4.2	4.2	4.5	5.0	5.0	5.4	5.4	5.7	6.2
8H	3.8	4.1	4.2	4.5	4.9	5.0	5.3	5.4	5.7	6.1
12H	3.8	4.0	4.2	4.5	4.9	4.9	5.2	5.4	5.6	6.1
12H 4H	3.8	4.2	4.2	4.6	5.0	5.0	5.4	5.5	5.8	6.2
6H	3.8	4.1	4.2	4.5	4.9	5.0	5.3	5.4	5.7	6.1
8H	3.7	4.0	4.2	4.4	4.9	4.9	5.2	5.4	5.6	6.1
Variations with the observer position at spacings:										
S = 1.0H	+ 2.1 / - 4.8					+ 2.8 / - 4.9				
1.5H	+ 3.2 / - 2.5					+ 4.1 / - 3.2				
2.0H	+ 3.6 / - 6.2					+ 3.9 / - 4.7				

CIE Pub.117 Corrected 674.9 lm Total Lamp Luminous Flux. (8log(F/F0) = -1.4)

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yu  
 Test Date:2018-10-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

**UTILIZATION FACTORS TABLE**

Test:U:230.7V I:0.0440A P:9.880W PF:0.9580 Lamp Flux:674.862x1 lm		
NAME: TOPAZ 927 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	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	91	85	82	90	85	82	90	85	81	78
0.80	98	93	89	97	92	89	96	92	89	85
1.00	102	97	93	101	96	93	99	96	93	89
1.25	105	101	97	104	100	97	102	99	96	92
1.50	108	103	100	106	103	100	104	101	99	95
2.00	110	106	103	108	105	102	106	103	101	96
2.50	111	108	105	110	107	104	107	104	102	97
3.00	113	110	107	111	108	106	108	105	104	98
4.00	115	112	110	112	110	109	109	107	106	99
5.00	116	114	112	114	112	110	110	108	107	100
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yu  
 Test Date:2018-10-17

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.7V I:0.0440A P:9.880W PF:0.9580 Lamp Flux:674.862x1 lm		
NAME: TOPAZ 927 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Conical surface Flux(90deg):

670.07 lm

%lum = 99.3%

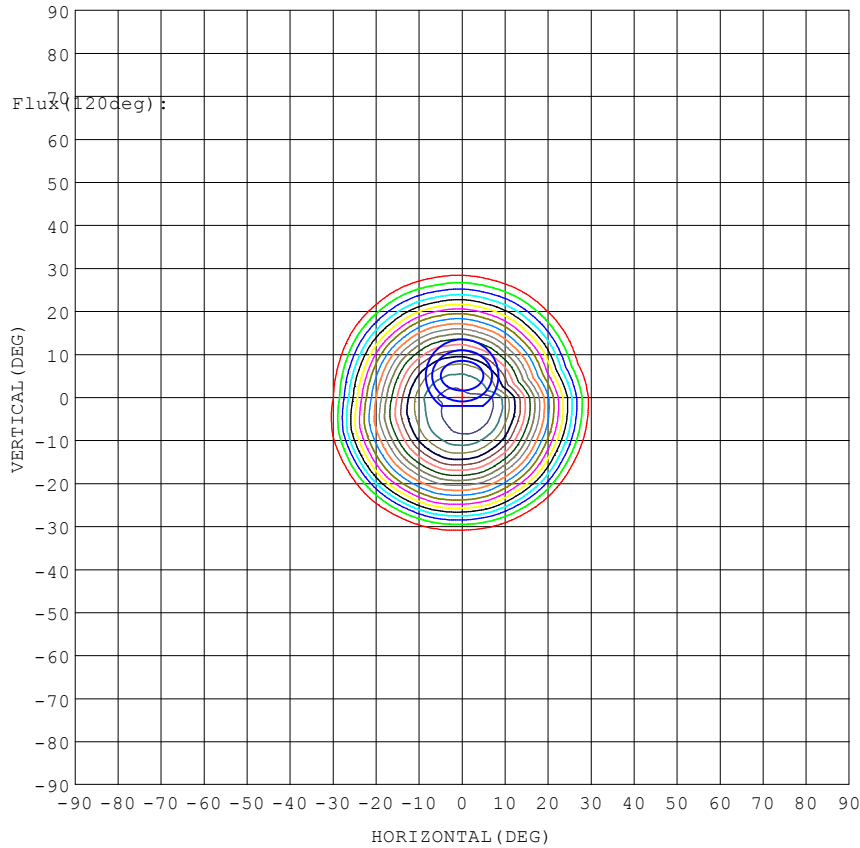
%lamp = 99.3%

Conical surface Flux(20deg):

674.14 lm

%lum = 99.9%

%lamp = 99.9%



- 1. AVG=1525,MIN=1407
- 2. AVG=1502,MIN=1268
- 3. AVG=1465,MIN=1106

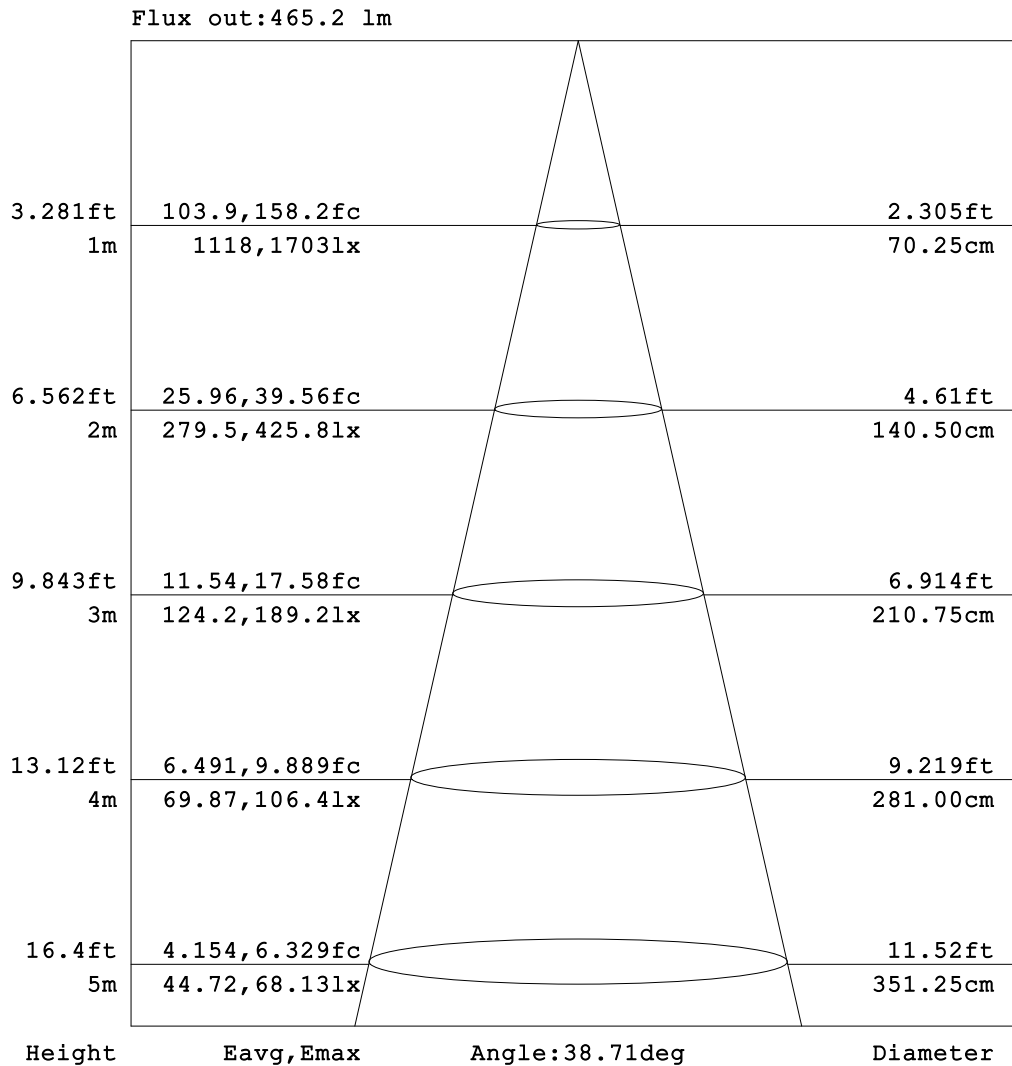
Imax:1703(H0.0,V0.0)  
 (At:C=0.0,Gamma=0.0)  
 UNIT: cd

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yu  
 Test Date:2018-10-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

AAI Figure

Test:U:230.7V I:0.0440A P:9.880W PF:0.9580 Lamp Flux:674.862x1 lm		
NAME: TOPAZ 927 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



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

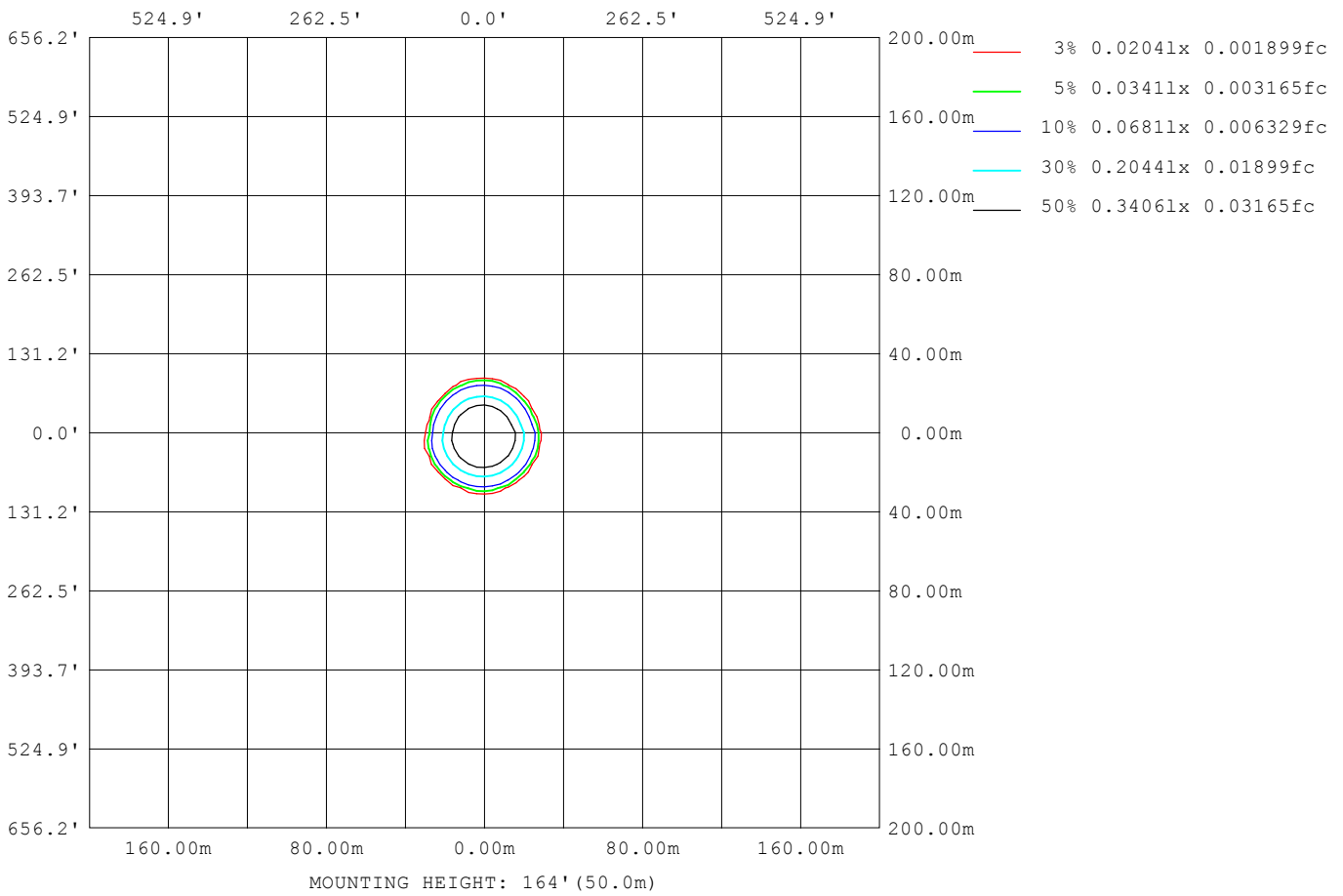
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: yu  
 Test Date: 2018-10-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:



ISOLUX DIAGRAM

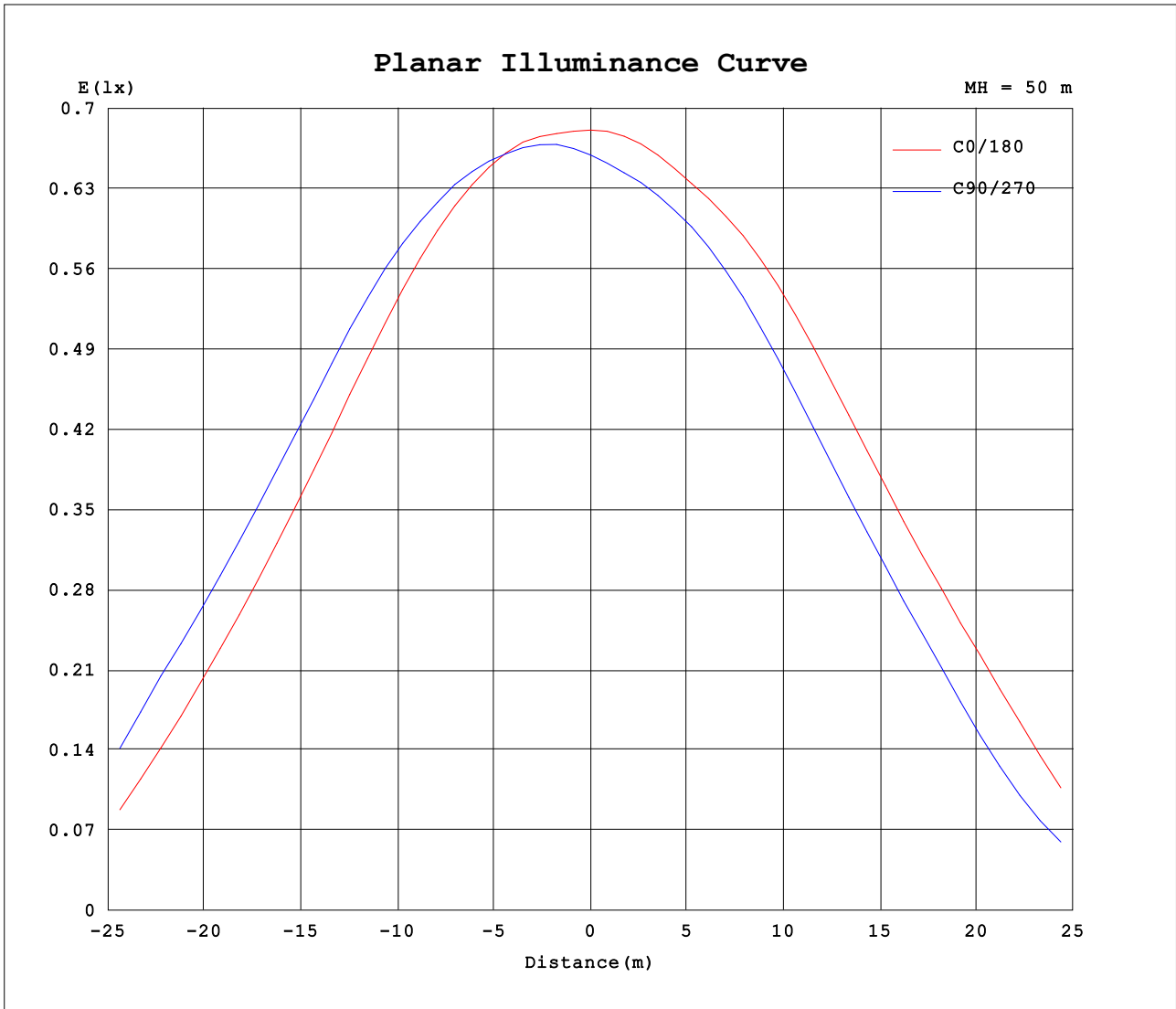
Test:U:230.7V I:0.0440A P:9.880W PF:0.9580 Lamp Flux:674.862x1 lm		
NAME: TOPAZ 927 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yu  
 Test Date:2018-10-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: yu  
 Test Date: 2018-10-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity: 65.0%  
 Test Distance: 8.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.7V I:0.0440A P:9.880W PF:0.9580 Lamp Flux:674.862x1 lm		
NAME: TOPAZ 927 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION 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	1703	1692	1680	1673	1664	1653	1649	1641	1638	1634	1631	1630	1703	1692	1680	1673	1664	1653	1649
5	1672	1680	1679	1686	1684	1678	1670	1664	1653	1643	1625	1613	1638	1607	1588	1571	1559	1546	1545
10	1490	1521	1536	1558	1565	1576	1574	1572	1560	1545	1520	1501	1489	1452	1426	1391	1371	1340	1332
15	1157	1201	1225	1265	1286	1314	1325	1341	1329	1318	1284	1262	1200	1155	1125	1080	1053	1014	1000
20	777	820	846	894	917	957	971	991	980	978	948	930	847	798	765	720	692	653	639
25	386	421	439	490	518	564	582	613	609	619	593	574	454	404	371	330	303	273	264
30	57.7	68.0	72.3	91.5	103	127	134	152	160	163	162	150	80.1	66.7	61.0	50.2	46.2	39.1	36.9
35	18.5	19.9	20.5	21.8	22.4	24.1	25.4	27.7	28.2	29.1	27.5	26.7	20.5	18.6	17.6	16.1	15.4	14.4	14.0
40	9.84	10.5	11.0	11.6	11.6	12.0	12.3	13.1	13.0	12.8	12.1	11.6	9.94	9.47	9.33	8.89	8.73	8.42	8.26
45	5.91	6.09	6.21	6.46	6.56	6.84	6.88	7.04	6.96	6.93	6.80	6.80	6.20	6.01	5.89	5.78	5.69	5.54	5.44
50	3.78	3.80	3.85	3.94	4.00	4.06	4.11	4.16	4.18	4.22	4.26	4.22	3.76	3.84	3.79	3.74	3.69	3.67	3.58
55	2.13	2.32	2.46	2.43	2.48	2.49	2.53	2.56	2.57	2.56	2.53	2.28	1.95	2.25	2.33	2.36	2.34	2.37	2.30
60	0.84	1.15	1.36	1.34	1.40	1.37	1.40	1.39	1.41	1.34	1.24	0.87	0.63	1.04	1.24	1.33	1.32	1.39	1.31
65	0.24	0.40	0.49	0.49	0.57	0.54	0.58	0.52	0.58	0.50	0.48	0.28	0.16	0.37	0.42	0.50	0.45	0.48	0.40
70	0.14	0.10	0.12	0.09	0.12	0.10	0.11	0.09	0.12	0.09	0.13	0.10	0.09	0.12	0.08	0.12	0.09	0.12	0.06
75	0.11	0.10	0.10	0.09	0.10	0.10	0.10	0.08	0.10	0.08	0.12	0.08	0.04	0.09	0.04	0.10	0.05	0.10	0.05
80	0.10	0.10	0.10	0.08	0.10	0.10	0.10	0.08	0.08	0.07	0.10	0.07	0.03	0.07	0.04	0.09	0.05	0.09	0.05
85	0.10	0.10	0.09	0.08	0.10	0.10	0.11	0.09	0.09	0.10	0.10	0.07	0.03	0.06	0.04	0.04	0.05	0.06	0.05
90	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.09	0.09	0.09	0.09	0.07	0.03	0.05	0.04	0.04	0.05	0.05	0.05
95	0.11	0.11	0.10	0.11	0.10	0.11	0.10	0.10	0.09	0.10	0.10	0.11	0.05	0.04	0.05	0.04	0.06	0.05	0.05
100	0.11	0.11	0.10	0.10	0.10	0.11	0.11	0.11	0.12	0.11	0.11	0.11	0.06	0.05	0.07	0.08	0.05	0.07	0.08
105	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
110	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
115	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
120	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
125	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
130	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
135	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
140	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
145	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
150	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
155	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
160	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
165	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
170	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
175	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
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:25.3DEG  
 Operators:yu  
 Test Date:2018-10-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.7V I:0.0440A P:9.880W PF:0.9580 Lamp Flux:674.862x1 lm		
NAME: TOPAZ 927 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	1641	1638	1634	1631	1630														
5	1540	1544	1548	1557	1565														
10	1316	1321	1319	1335	1343														
15	976	980	976	997	1004														
20	614	617	614	633	640														
25	249	253	246	255	258														
30	33.8	33.8	32.5	34.7	34.9														
35	13.5	13.5	13.5	13.9	14.2														
40	8.06	8.06	7.92	8.00	8.01														
45	5.34	5.29	5.21	5.17	5.12														
50	3.57	3.50	3.45	3.40	3.24														
55	2.28	2.21	2.15	1.99	1.74														
60	1.31	1.19	1.17	0.95	0.58														
65	0.40	0.32	0.32	0.22	0.14														
70	0.10	0.06	0.09	0.08	0.10														
75	0.09	0.04	0.08	0.03	0.07														
80	0.08	0.04	0.06	0.03	0.06														
85	0.05	0.04	0.04	0.03	0.05														
90	0.05	0.05	0.04	0.03	0.04														
95	0.04	0.05	0.04	0.05	0.04														
100	0.05	0.06	0.05	0.06	0.08														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:yu  
 Test Date:2018-10-17

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.287  
 Humidity:65.0%  
 Test Distance:8.000m [K=1.0000]  
 Remarks: