



TRUST LED Flood Light 200W

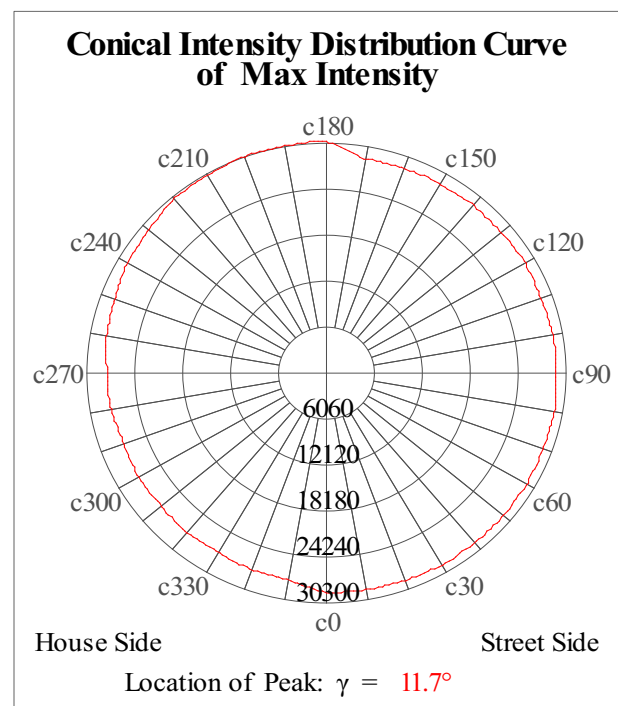
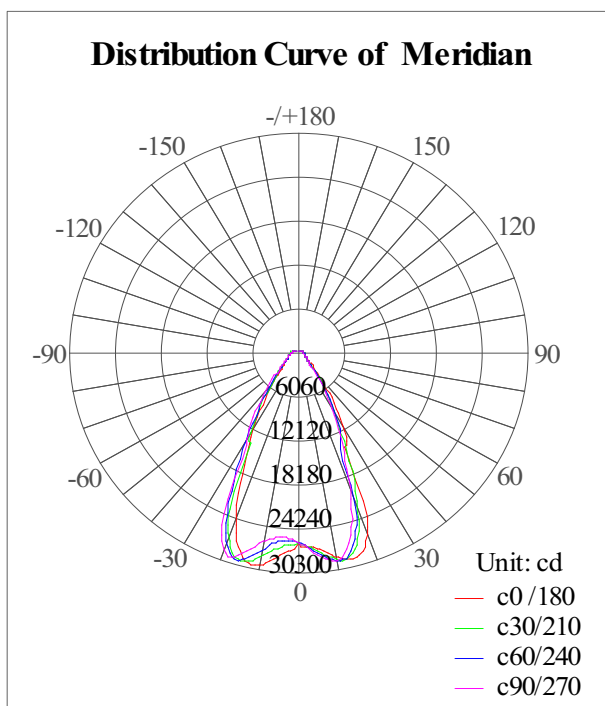
Model No: TST-TGS012-200W



Photometric Data of Lamp

Lamp Description		
Lamp Name: TST-TGS012-200W	Lamp Size:	Lamp Weight:
Lamp Type:	Rated Voltage: 220 V	Rated Power: 200 W
Light Type:	Light Number:	Rated Flux:
Light Standard:	Light Area:	Light Flux:

Measured Data of Lamp			
Voltage: 220.6 V	Current: 0.921 A	Power: 195.4 W	Power Factor: 0.962
Total Flux	26804.80 lm	Central Intensity	26592.82 cd
Lamp Efficiency	0.00%	Light Efficiency	137.18 lm/W
Peak Intensity	30219.43 cd	Location of Peak(c, γ)	(180.0°, 11.7°)
Half-Intensity Angle	49.5°	BeamAngle	81.9°
Upward Light Ratio	0	Downward Light Ratio	100%
Upward Street Side	0	Downward Street Side	12083.56 lm
Upward House Side	0	Downward House Side	14723.27 lm
Flash Area(76°)	0 cm ²	Discomfort Glare(SLI)	0



c Range: 0度-360度

c Interval: 10度

Test Speed: 快速

Test Distance: 7.5 m

Note: notes

 γ Range: 0度-90度

 γ Interval: 0.9度

Test Date: 2019-11-05

Test Time: 16-53-02

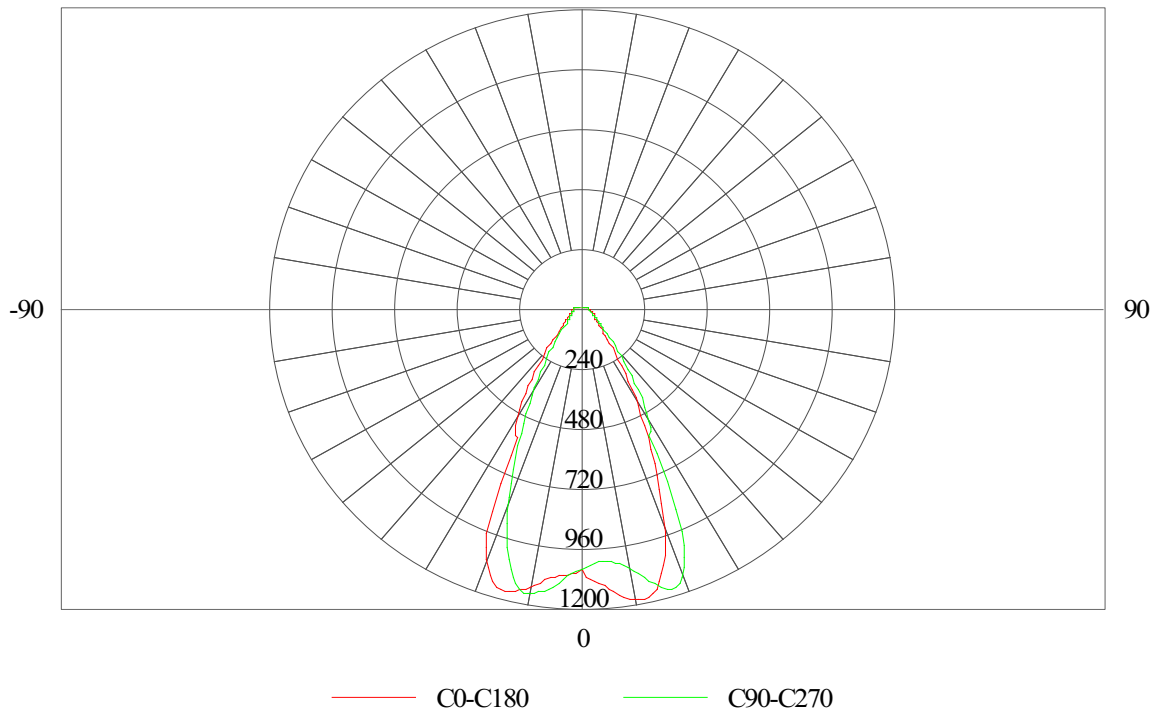
Temperature: 30℃

Humidity: 60%

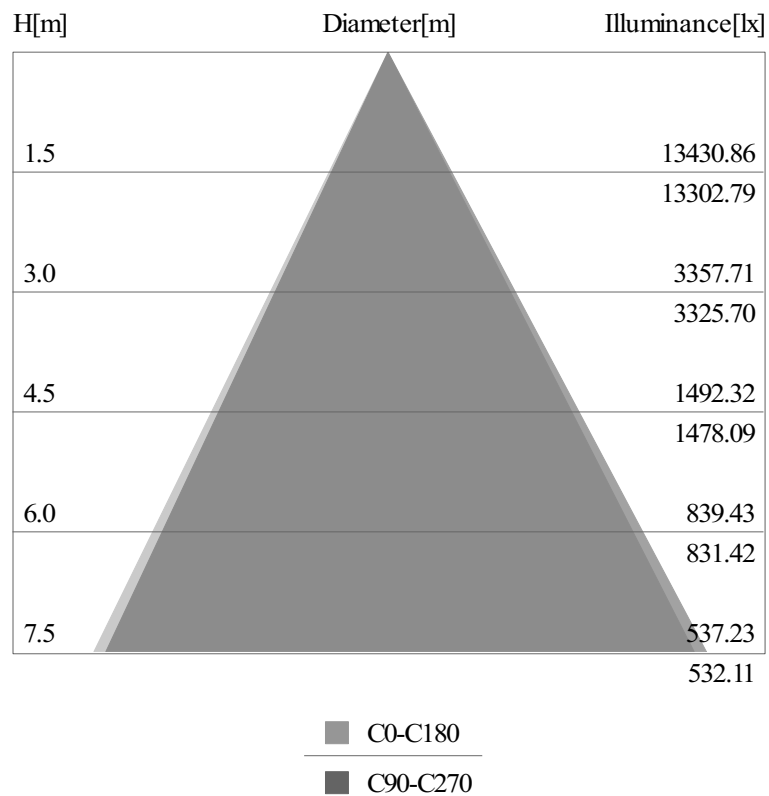
Test No.: 01

Tester: 01

cd/1000 lm Curve

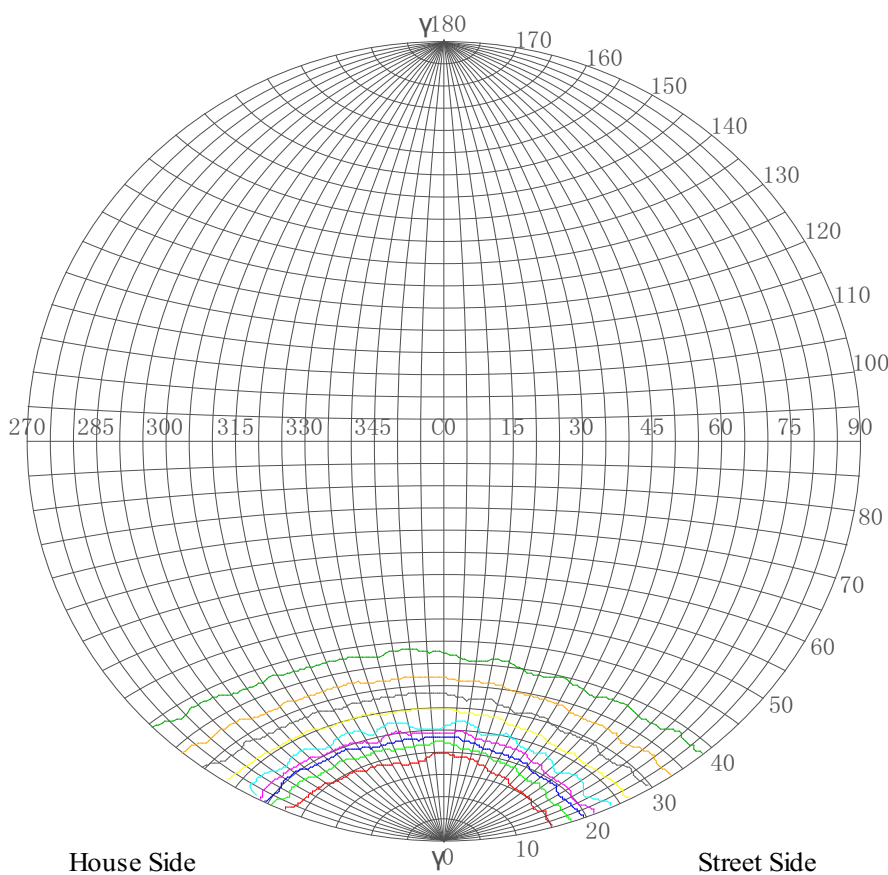


Illumination Cone Curve



Isocandela Curve of Road Lamp (Round Net Curve)

Lamp Description		
Lamp Name: TST-TGS012-200W	Lamp Size:	Lamp Weight:
Lamp Type:	Rated Voltage: 220 V	Rated Power: 200 W
Light Type:	Light Number:	Rated Flux:
Light Standard:	Light Area:	Light Flux:



Road Lamp Type

CIE: 截光型
 CIE: 短投射-窄扩展
 IES: 截光型
 IES: V类-极短投射
 Max. At80: 19.62cd/klm
 Max. At90: 4.0403cd/klm

Isocandela Curve(Round Net)	
Intensity Unit	cd
Imax = 100%	30220
90%	27198
80%	24176
70%	21154
60%	18132
50%	15110
40%	12088
30%	9066
20%	6044
10%	3022

c Range: 0度-360度

c Interval: 10度

Test Speed: 快速

Test Distance: 7.5 m

Note: notes

γ Range: 0度-90度

γ Interval: 0.9度

Test Date: 2019-11-05

Test Time: 16-53-02

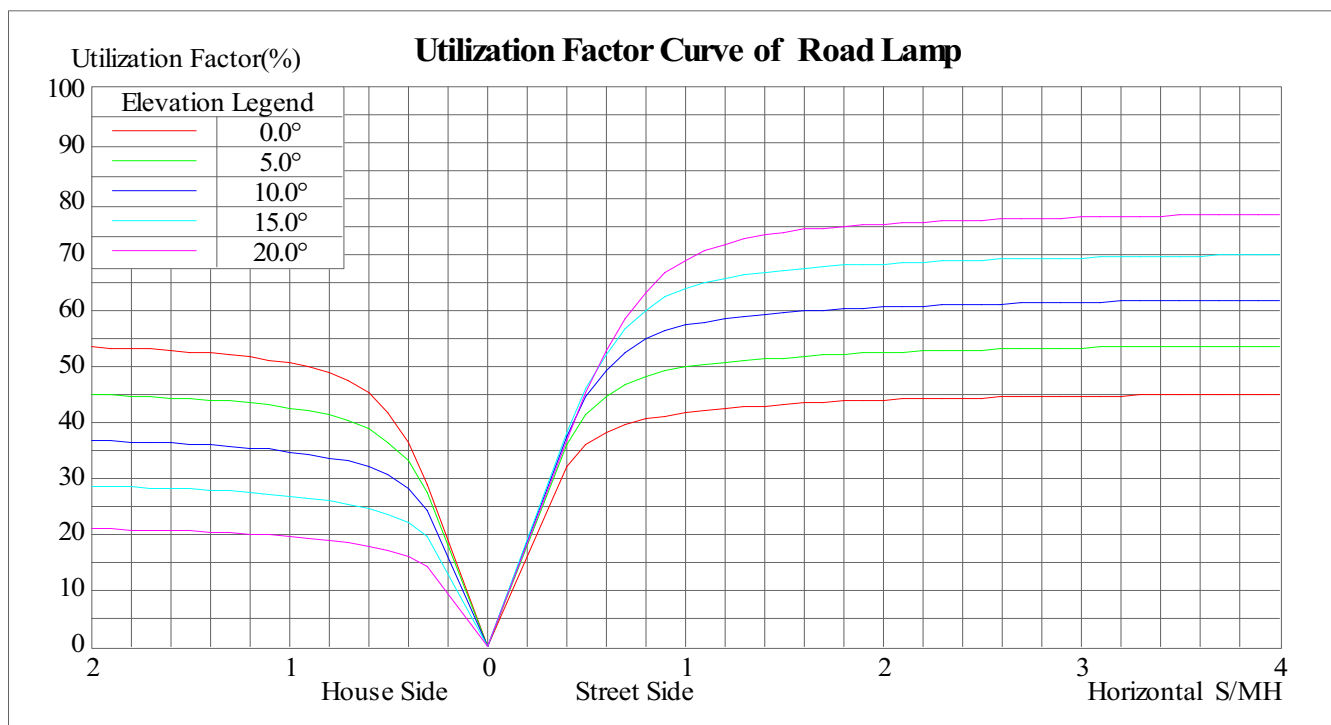
Temperature: 30℃

Humidity: 60%

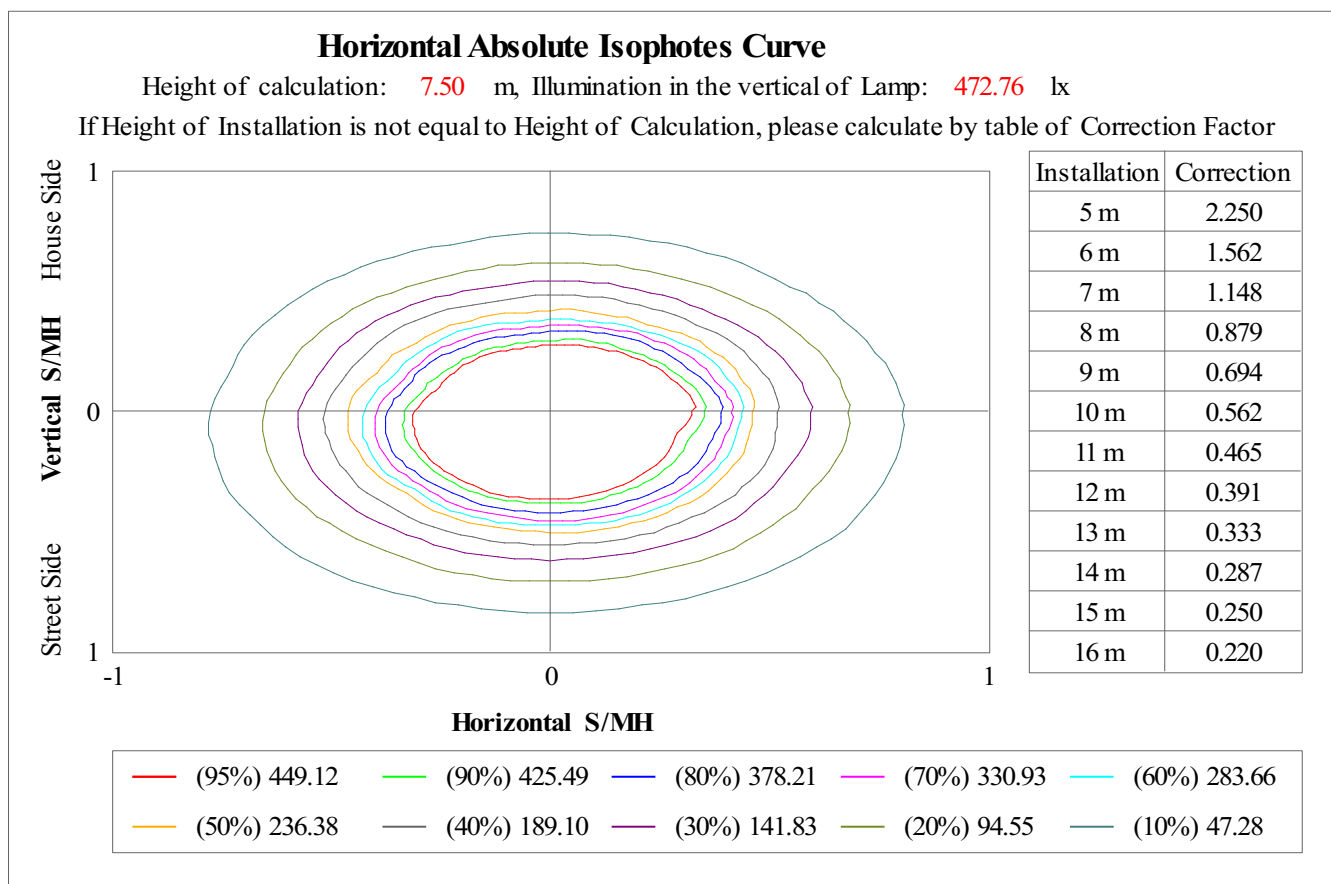
Test No.: 01

Tester: 01

Lamp Utilization Factor Curve

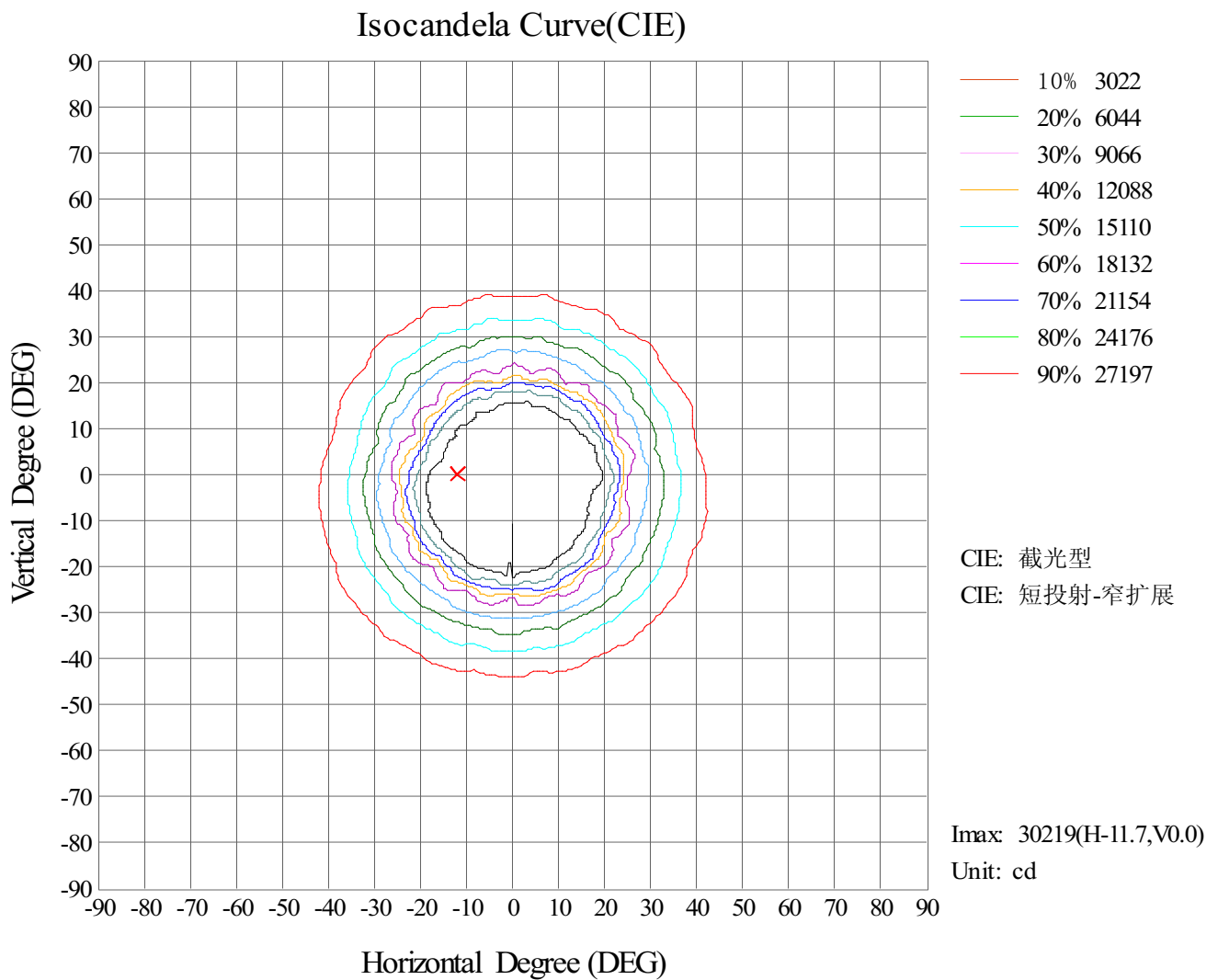


Horizontal Isophotes Curve



Isocandela Curve of Lamp

Lamp Description		
Lamp Name: TST-TGS012-200W	Lamp Size:	Lamp Weight:
Lamp Type:	Rated Voltage: 220 V	Rated Power: 200 W
Light Type:	Light Number:	Rated Flux:
Light Standard:	Light Area:	Light Flux:



c Range: 0度-360度

c Interval: 10度

Test Speed: 快速

Test Distance: 7.5 m

Note: notes

 γ Range: 0度-90度 γ Interval: 0.9度

Test Date: 2019-11-05

Test Time: 16-53-02

Temperature: 30℃

Humidity: 60%

Test No.: 01

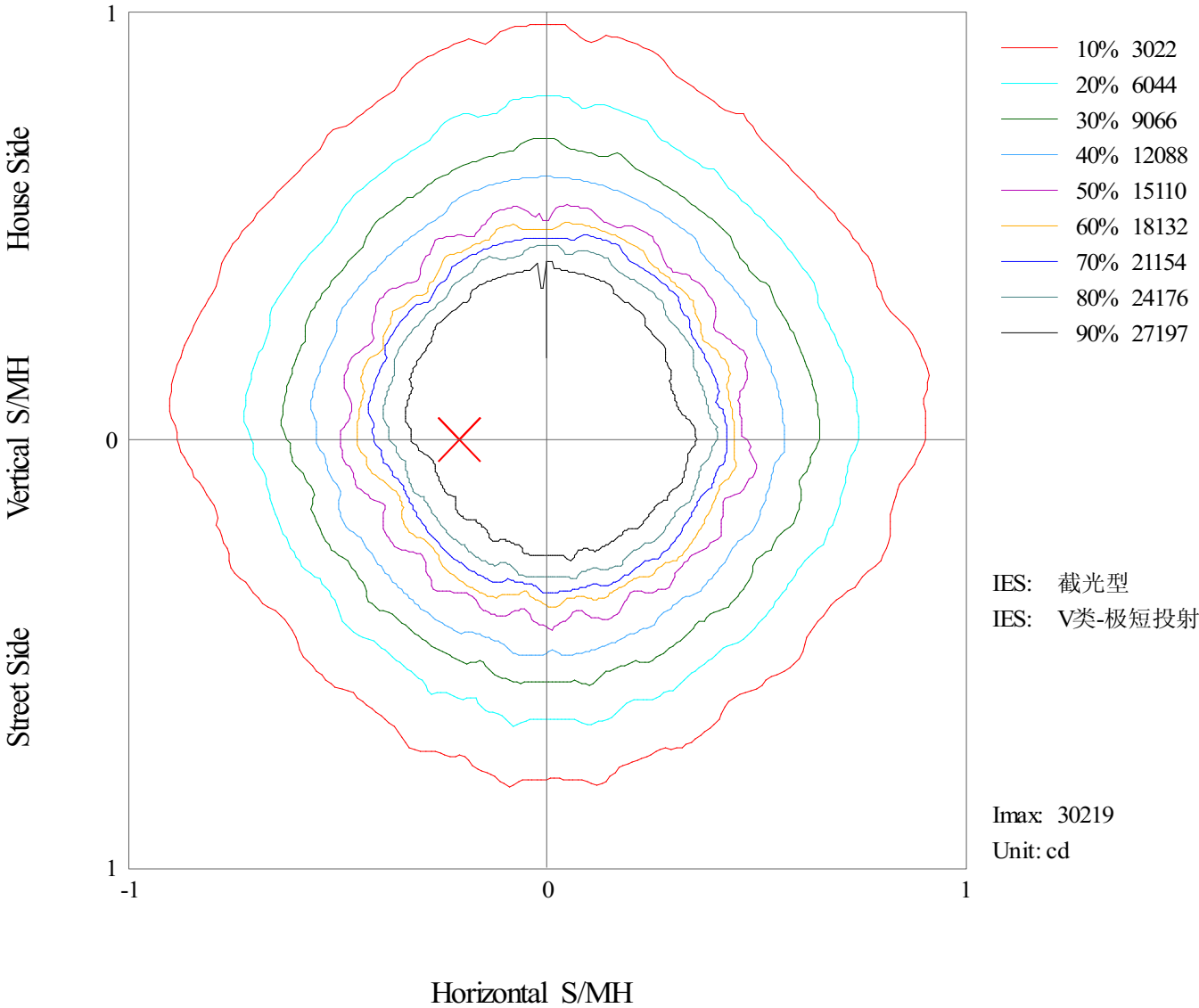
Tester: 01



Isocandela Curve of Lamp

Lamp Description		
Lamp Name: TST-TGS012-200W	Lamp Size:	Lamp Weight:
Lamp Type:	Rated Voltage: 220 V	Rated Power: 200 W
Light Type:	Light Number:	Rated Flux:
Light Standard:	Light Area:	Light Flux:

Isocandela Curve(IES)



c Range: 0度-360度
c Interval: 10度
Test Speed: 快速
Test Distance: 7.5 m
Note: notes

γ Range: 0度-90度
γ Interval: 0.9度
Test Date: 2019-11-05
Test Time: 16-53-02

Temperature: 30℃
Humidity: 60%
Test No.: 01
Tester: 01



Lamp Ring with Flux

Lamp Description		
Lamp Name: TST-TGS012-200W	Lamp Size:	Lamp Weight:
Lamp Type:	Rated Voltage: 220 V	Rated Power: 200 W
Light Type:	Light Number:	Rated Flux:
Light Standard:	Light Area:	Light Flux:

γ	C0	C90	C180	C270	$\gamma(^{\circ})$	$\Phi(\text{Ring})$	$\Phi(\text{Total})$	%
3.6	27283	27663	28073	25868	0.0-3.6	331.8	331.8	1.24
7.2	27852	28985	29409	26135	3.6-7.2	1017	1348	5.03
10.8	29079	29454	30199	27216	7.2-10.8	1746	3095	11.54
14.4	29765	27364	29470	28949	10.8-14.4	2476	5570	20.78
18.0	28548	23154	26481	29915	14.4-18.0	3055	8625	32.18
21.6	24709	17728	21332	27382	18.0-21.6	4027	12652	47.20
25.2	14706	13076	16049	19520	21.6-25.2	2829	15481	57.75
28.8	12879	9311	11482	13893	25.2-28.8	2357	17839	66.54
32.4	9485	6184	7948	10964	28.8-32.4	1910	19749	73.67
36.0	6508	3898	5211	7763	32.4-36.0	1444	21193	79.06
39.6	4211	2365	3440	5220	36.0-39.6	1023	22216	82.88
43.2	2544	1819	2538	3240	39.6-43.2	713.1	22930	85.54
46.8	1870	1468	2037	2418	43.2-46.8	552.3	23482	87.60
50.4	1482	1250	1737	1882	46.8-50.4	478.1	23960	89.38
54.0	1293	1115	1559	1533	50.4-54.0	439.5	24399	91.02
57.6	1158	976.6	1419	1300	54.0-57.6	414.0	24814	92.56
61.2	1032	819.2	1268	1094	57.6-61.2	387.5	25201	94.01
64.8	901.5	779.9	1115	873.2	61.2-64.8	357.5	25559	95.34
68.4	771.9	784.6	950.0	739.4	64.8-68.4	332.2	25891	96.58
72.0	668.2	674.5	794.1	704.7	68.4-72.0	303.3	26194	97.71
75.6	572.9	522.3	611.4	791.5	72.0-75.6	197.0	26391	98.45
79.2	416.1	334.8	403.8	574.9	75.6-79.2	198.8	26590	99.19
82.8	185.8	178.5	271.3	304.3	79.2-82.8	123.9	26714	99.65
86.4	66.70	43.30	142.7	149.3	82.8-86.4	63.60	26777	99.89
90.0	24.14	25.21	104.1	95.21	86.4-90.0	29.54	26807	100.00
Unit: $^{\circ}$	Intensity Unit: cd					Unit: lm		

Data Form of Intensity Distribution Curve

Lamp Description		
Lamp Name: TST-TGS012-200W	Lamp Size:	Lamp Weight:
Lamp Type:	Rated Voltage: 220 V	Rated Power: 200 W
Light Type:	Light Number:	Rated Flux:
Light Standard:	Light Area:	Light Flux:

Unit: cd

γ/C	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0.0	26593	26593	26593	26593	26593	26593	26593	26593	26593	26593	26593	26593	26593	26593	26593	26593	26593	26593	26593
3.6	27283	27327	27235	27340	27289	27507	27376	27616	27496	27663	27463	27809	27470	27509	27280	27312	27121	27032	28073
7.2	27852	28179	28185	28442	28506	28699	28741	28964	28779	28985	28831	28911	28595	28684	28460	28411	28064	28008	29409
10.8	29079	29273	29341	29505	29467	29621	29531	29484	29585	29454	29312	29186	29188	28963	28844	28628	28547	28432	30199
14.4	29765	29501	29320	28913	28975	28443	28529	27937	28040	27364	27622	26742	27325	26935	27365	27110	27547	27246	29470
18.0	28548	27392	27354	26110	26046	24781	25268	23813	24230	23154	23315	22519	23822	22970	23860	23495	24291	24235	26481
21.6	24709	22784	21050	20903	21044	19458	16378	18278	15091	17728	14622	17215	15673	17833	15074	18408	15253	19297	21332
25.2	14706	16908	14343	15260	13925	14134	13472	13417	13157	13076	13092	12660	13076	13192	13272	13735	13578	14478	16049
28.8	12879	11737	11912	10734	11071	9678	10452	9463	10061	9311	9955	8753	9859	9365	10129	9694	10555	9587	11482
32.4	9485	8225	8523	7446	7866	6974	7391	6523	6999	6184	6846	5932	6733	6123	6908	6359	7316	6798	7948
36.0	6508	5326	5764	4733	5304	4398	4894	3994	4606	3898	4420	3695	4351	3874	4515	4029	4772	4197	5211
39.6	4211	3192	3622	2774	3178	2492	2900	2372	2767	2365	2738	2340	2816	2446	2916	2566	3065	2684	3440
43.2	2544	2007	2190	1792	2006	1718	1893	1703	1904	1819	1937	1713	1920	1741	1987	1798	2104	1893	2538
46.8	1870	1553	1650	1449	1555	1408	1514	1402	1527	1468	1542	1427	1548	1454	1584	1485	1630	1535	2037
50.4	1482	1323	1385	1276	1336	1255	1312	1246	1314	1250	1336	1267	1353	1305	1378	1320	1415	1345	1737
54.0	1293	1191	1247	1166	1219	1159	1205	1141	1183	1115	1200	1173	1244	1210	1274	1227	1290	1235	1559
57.6	1158	1081	1139	1075	1125	1073	1116	1047	1069	976.6	1083	1069	1163	1132	1188	1145	1196	1141	1419
61.2	1032	952.8	1041	981.7	1047	1000	1037	950.2	951.1	819.2	960.5	976.0	1078	1055	1112	1065	1113	1046	1268
64.8	901.5	849.4	926.3	892.0	965.3	931.2	956.3	884.9	833.0	779.9	839.2	919.6	1007	1008	1047	1014	1026	958.4	1115
68.4	771.9	767.3	855.1	857.6	903.3	889.5	913.8	830.8	800.5	784.6	817.7	828.7	974.8	953.0	1017	963.4	972.5	892.1	950.0
72.0	668.2	647.6	799.3	729.0	838.4	706.3	822.5	645.8	707.6	674.5	722.8	632.7	831.7	719.6	902.2	741.9	881.4	702.3	794.1
75.6	572.9	479.1	618.4	488.3	579.0	469.3	587.4	462.6	532.4	522.3	554.7	449.9	595.5	491.9	574.2	477.4	638.8	499.4	611.4
79.2	416.1	302.0	417.9	292.4	323.0	292.2	386.0	302.6	360.4	334.8	346.5	300.5	406.0	316.0	330.9	298.6	429.9	330.9	403.8
82.8	185.8	127.6	231.6	153.9	172.2	140.2	191.8	163.7	185.0	178.5	193.3	156.9	203.5	169.7	197.0	160.9	232.2	171.1	271.3
86.4	66.70	32.53	76.62	36.08	65.43	37.22	72.30	39.45	77.12	43.30	85.68	52.97	94.40	62.89	96.71	67.72	109.9	73.81	142.7
90.0	24.14	24.08	24.39	24.51	25.07	24.30	25.21	25.21	25.44	25.21	25.34	27.60	29.30	30.66	31.91	33.62	35.62	34.75	104.1