



**CROSS
MINING**

Iluminación industrial

PROYECTOR CM RB

El Proyector CM RB es una luminaria industrial versátil y eficiente, pensada para iluminar grandes áreas con potencia y seguridad. Su diseño en aluminio inyectado y vidrio templado lo hace resistente a impactos y condiciones ambientales exigentes, mientras que su protección IP65 asegura un óptimo desempeño frente al polvo y la humedad.



PHILIPS

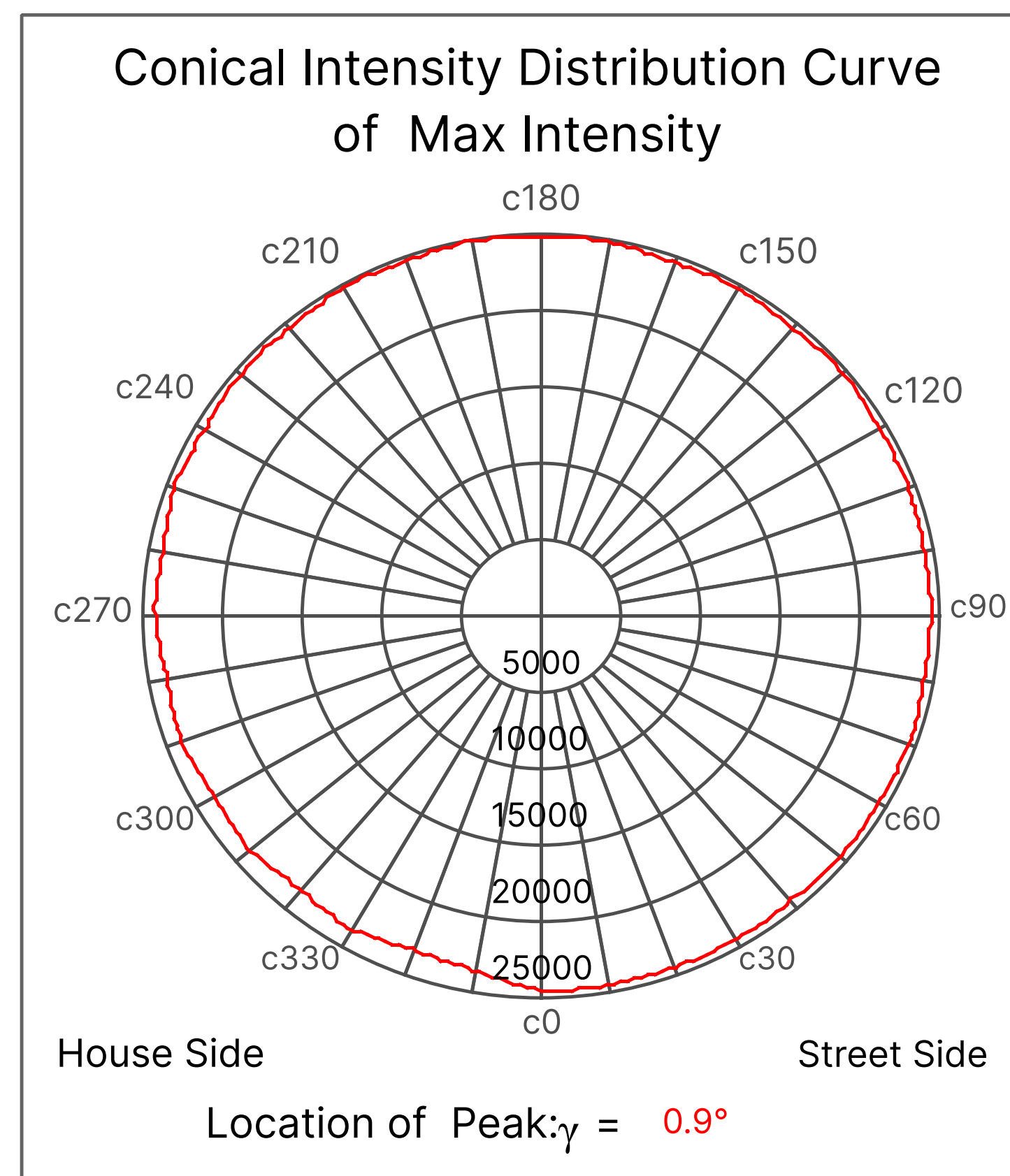
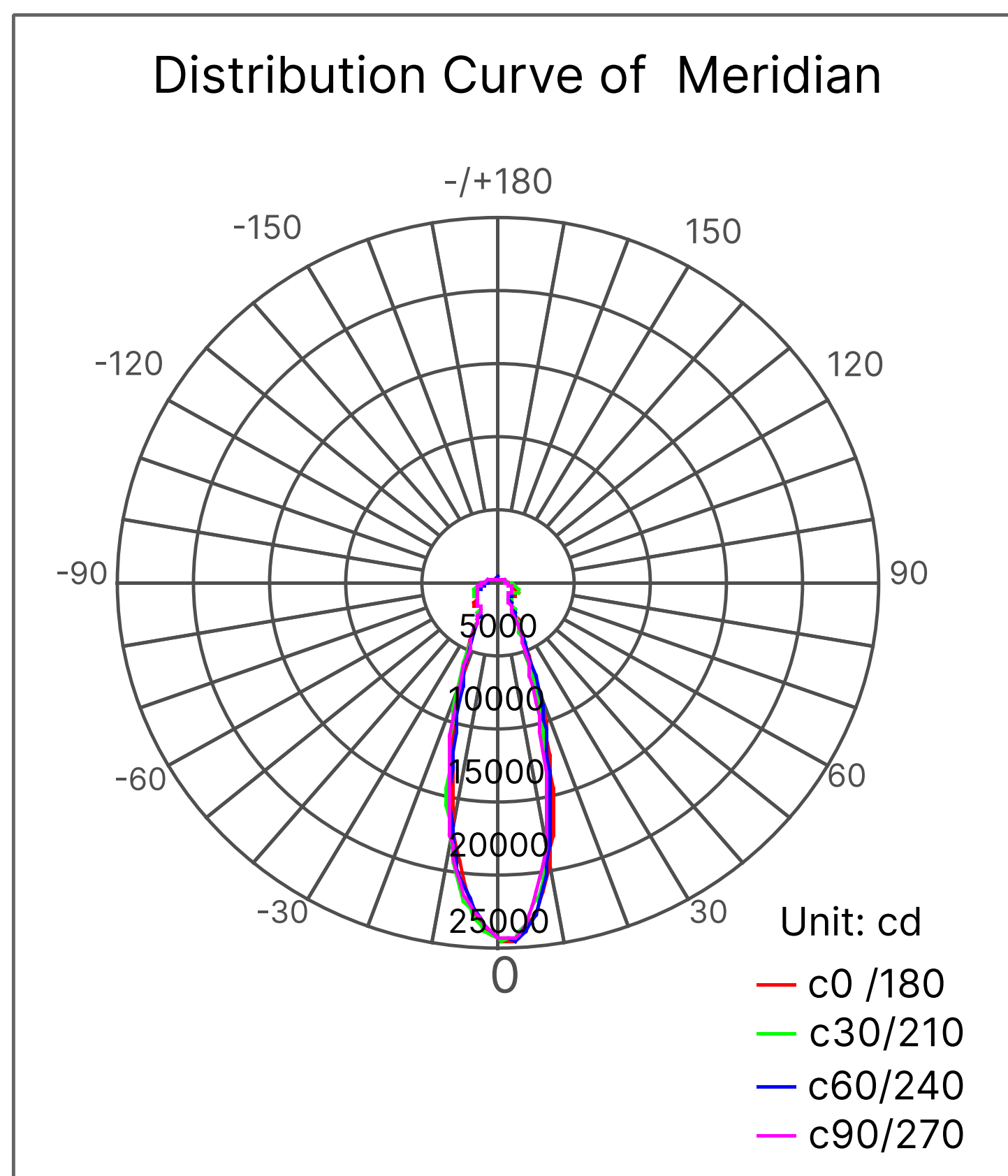




Parámetros técnicos

Lamp Description		
Lamp Name: FDL	Lamp Size: 35cm×32cm×6cm	Lamp Weight:
Lamp Type:	Rated Voltage: 230V	Rated Power: 100 W
Light Type: LED	Light Number:	Rated Flux:
Light Standard:	Light Area: 30cm×15cm	Light Flux:

MeasuredData of Lamp	
Voltage: 229.3V	Power: 101.1 W
Current: 0.473A	Power Factor: 0.932
Total Flux: 12280.20 lm	Central Intensity: 24648.43 cd
Lamp Efficiency: 0.00%	Light Efficiency: 121.47 lm/W
Peak Intensity: 24978.56 cd	Location of Peak(c,γ): (10.0°, 0.9°)
Half-Intensity Angle: 28.8°	BeamAngle: 54.0°
Upward Light Ratio: 0	Downward Light Ratio: 100%
Upward Street Side: 0	Downward Street Side: 6223.65 lm
Upward House Side: 0	Downward House Side: 6058.64 lm
FlashArea(76°): 437 cm ²	Discomfort Glare(SLI): 0



c Range: 0-360 Degree
c Interval: 10 Degree
Test Speed: Fast
Test Distance: 5.0 m
Note: notes

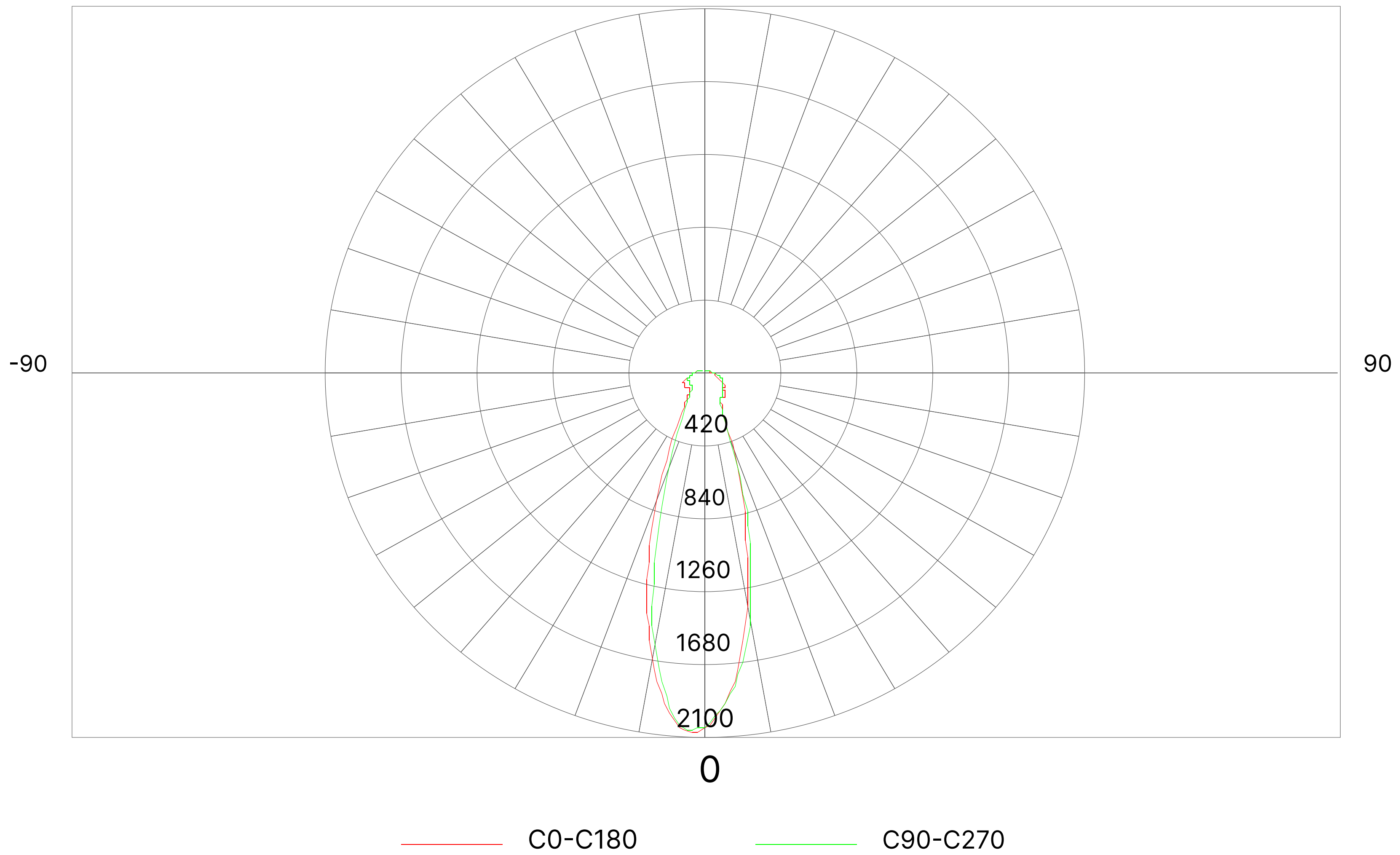
γ Range: 0-90 Degree
 γ Interval: 0.9 Degree
Test Date: 2017-09-01
Test Time: 18-50-26

Temperature: 25 Celsius
Humidity: 65%
Test No.:
Tester: 0035

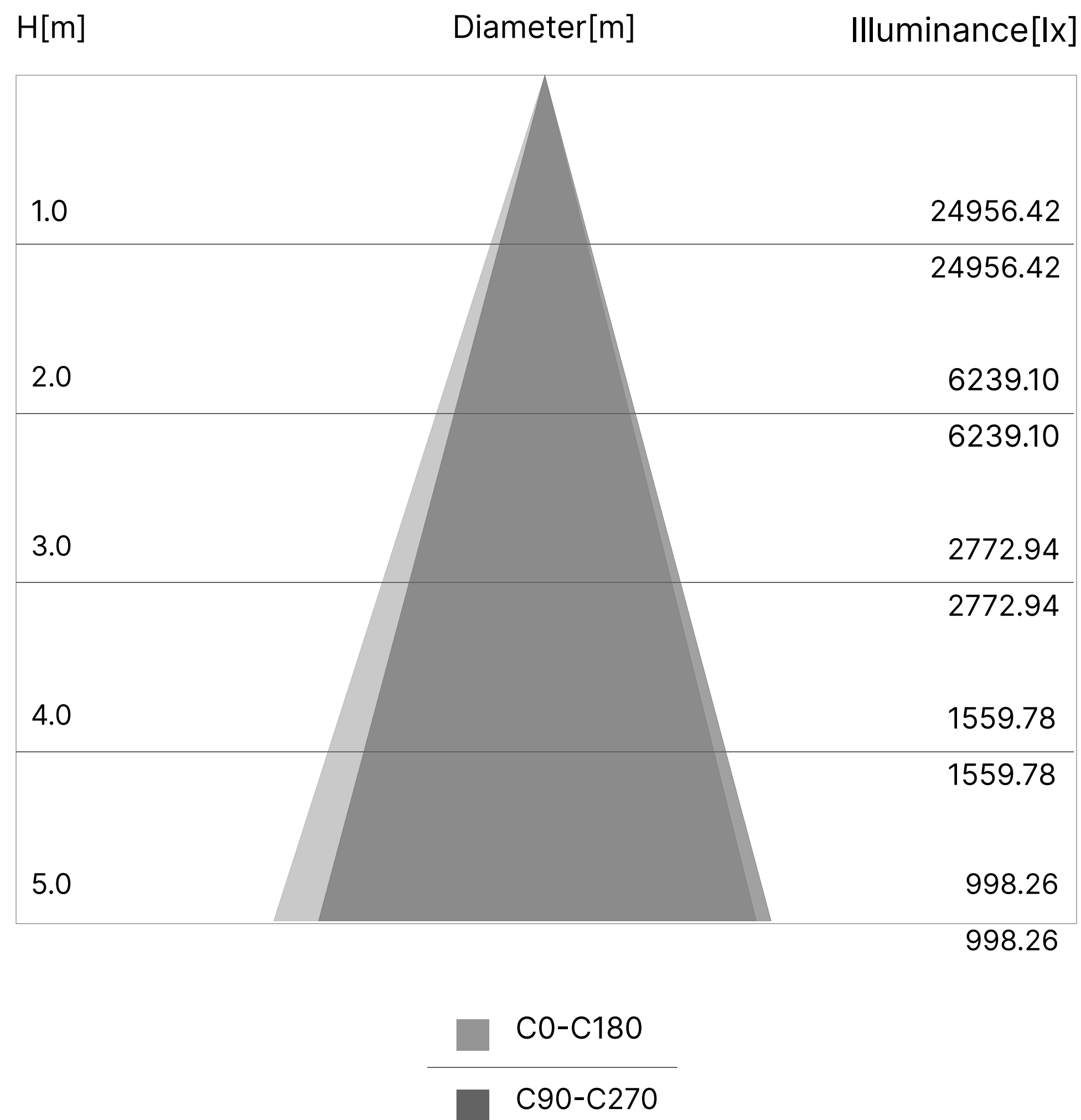


SSP6316-D50: Lamp Intensity Spatial Distribution of Tester

☀️ cd/1000 lm Curve



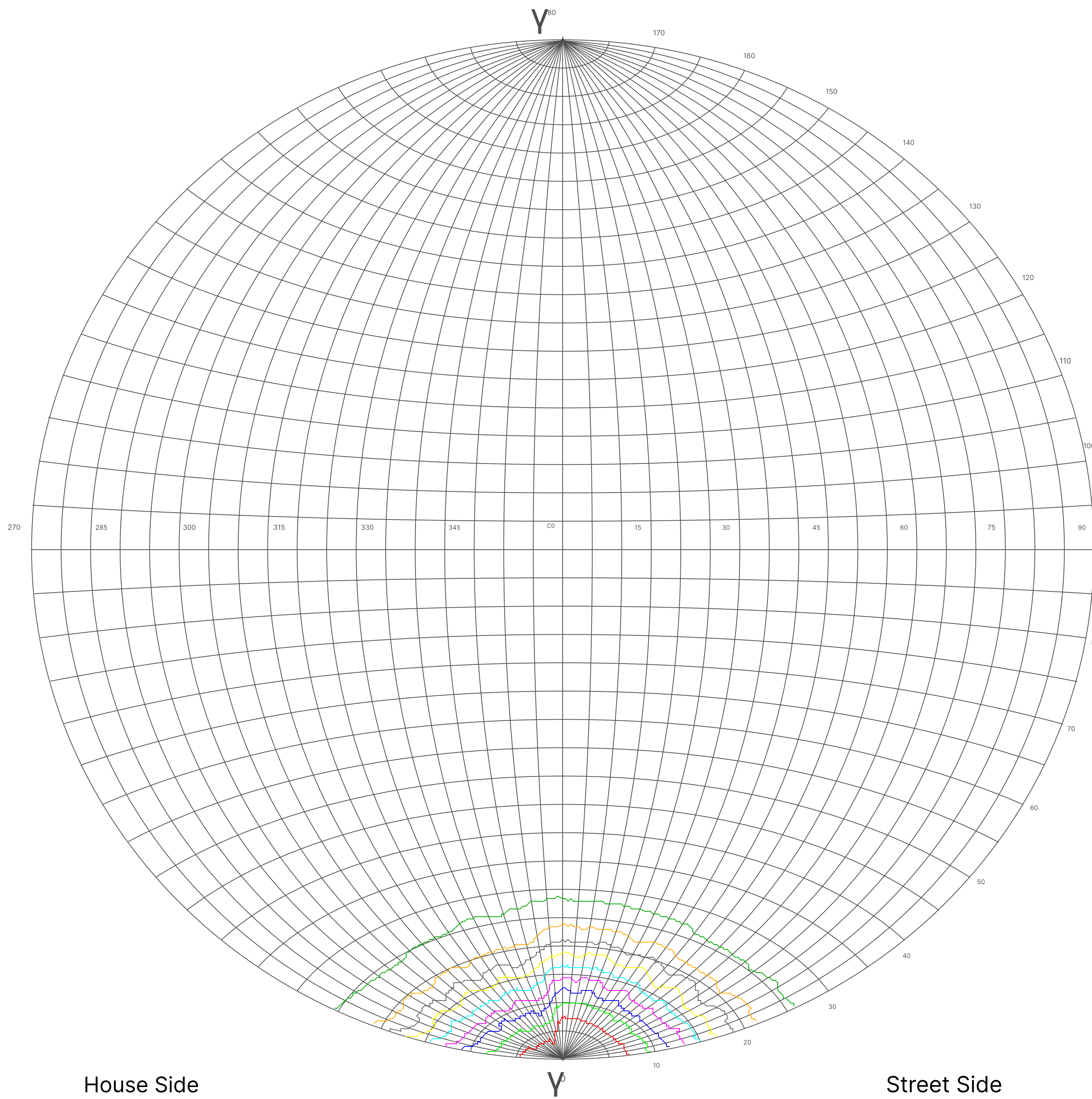
☀️ Illumination Cone Curve





Isocandela Curve of Road Lamp (Round Net Curve)

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Road Lamp Type

CIE: semi-cut-off

CIE: short-narrow extension

IES: cut-off

IES: V-very short

Max.At80: 31.39cd/klm

Max.At90: 13.7490cd/klm

Isocandela Curve(Round Net)

Intensity Unit	cd
Imax = 100%	24979
— 90%	22481
— 80%	19983
— 70%	17485
— 60%	14988
— 50%	12490
— 40%	9992
— 30%	7494
— 20%	4996
— 10%	2498

c Range: 0-360 Degree

c Interval: 10 Degree

Test Speed: Fast

Test Distance: 5.0 m

Note: notes

γ Range: 0-90 Degree

γ Interval: 0.9 Degree

Test Date: 2017-09-01

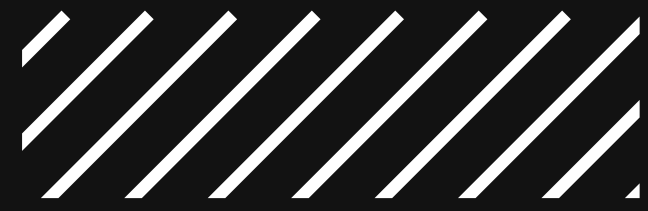
Test Time: 18-50-26

Temperature: 25 Celsius

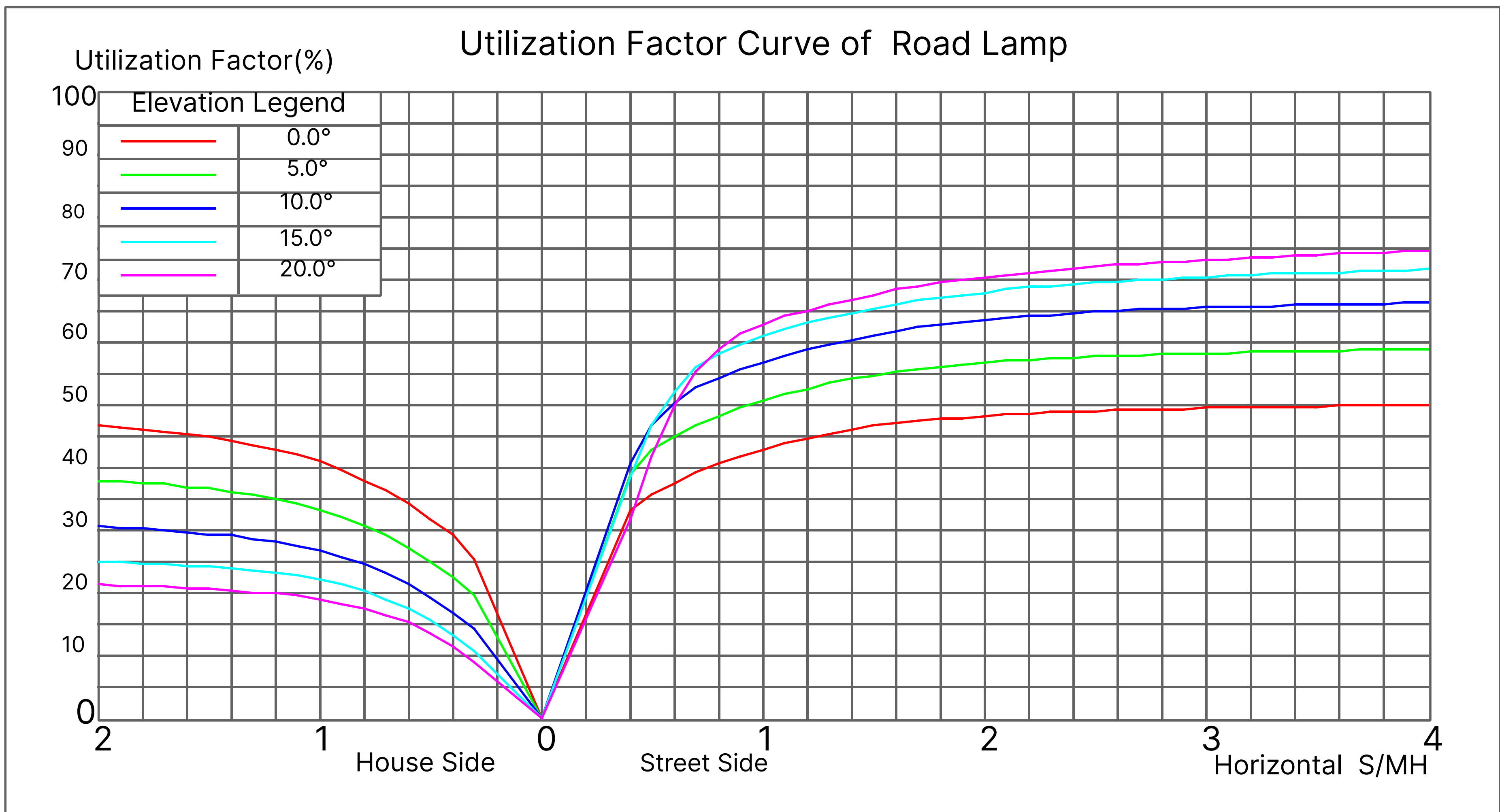
Humidity: 65%

Test No.:

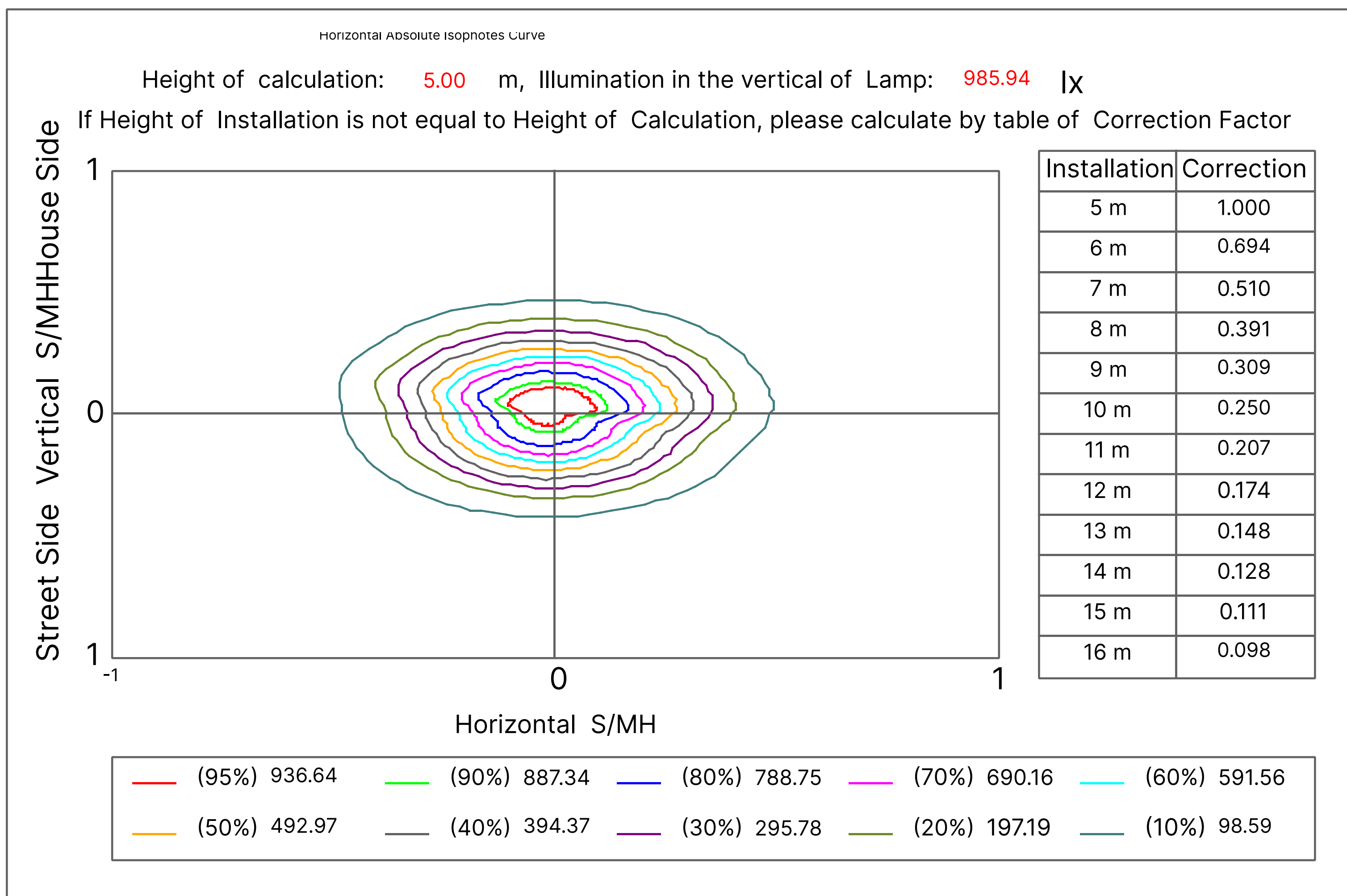
Tester: 0035

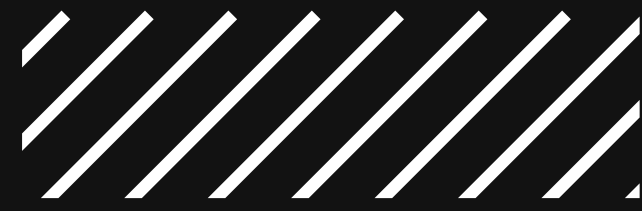


☀️ Lamp Utilization Factor Curve



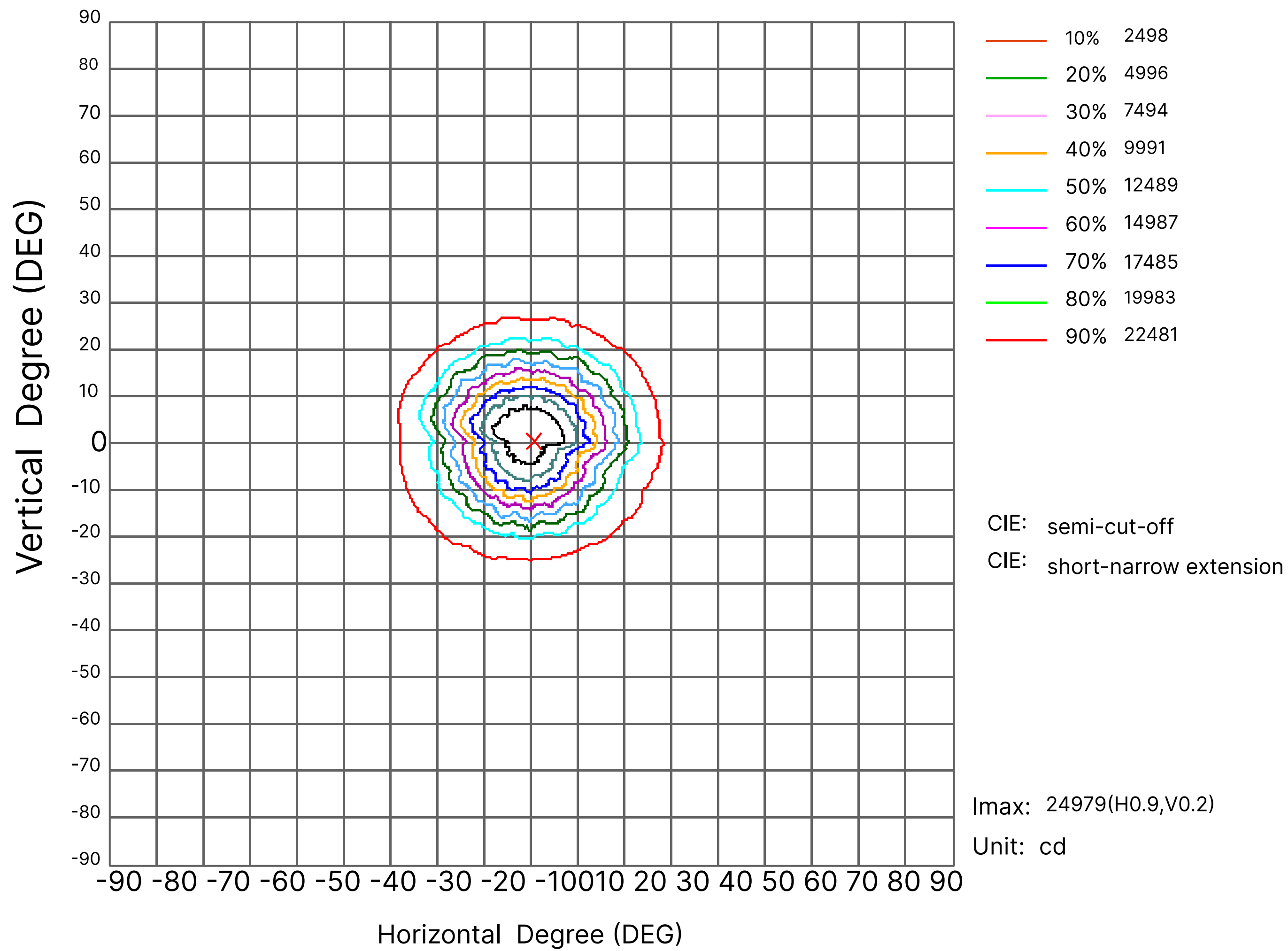
☀️ Horizontal Isophotes Curve





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Light Standard:	Light Area: 30cm×15cm	Light Flux:

Isocandela Curve(CIE)



c Range: 0-360 Degree
 c Interval: 10 Degree
 Test Speed: Fast
 Test Distance: 5.0 m
 Note: notes

γ Range: 0-90 Degree
 γ Interval: 0.9 Degree
 Test Date: 2017-09-01
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Temperature: 25 Celsius
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γ	C0	C90	C180	C270	γ (°)	Φ(Ring)	Φ(Total)	%
3.6	24630	24497	22938	22994	0.0-3.6	298.2	298.2	2.43
7.2	22488	21671	19744	20293	3.6-7.2	829.5	1128	9.18
10.8	18991	17904	15506	16756	7.2-10.8	1179	2307	18.78
14.4	14932	12336	11134	12248	10.8-14.4	1277	3584	29.18
18.0	10442	7866	7085	7748	14.4-18.0	1153	4736	38.56
21.6	6765	4813	3864	3887	18.0-21.6	1043	5779	47.05
25.2	3725	2580	2835	2430	21.6-25.2	542.8	6322	51.47
28.8	2303	1778	2291	2186	25.2-28.8	426.1	6748	54.94
32.4	1718	1497	2255	2193	28.8-32.4	401.1	7149	58.20
36.0	1581	1429	2308	2218	32.4-36.0	423.9	7573	61.66
39.6	1653	1450	2162	2090	36.0-39.6	453.0	8026	65.34
43.2	1691	1372	1954	1908	39.6-43.2	464.6	8490	69.13
46.8	1637	1295	1837	1753	43.2-46.8	465.8	8956	72.92
50.4	1633	1269	1803	1634	46.8-50.4	477.3	9433	76.81
54.0	1677	1289	1583	1533	50.4-54.0	496.2	9930	80.85
57.6	1529	1253	1108	1477	54.0-57.6	492.5	10422	84.85
61.2	990.2	1075	850.4	1385	57.6-61.2	444.8	10867	88.48
64.8	766.2	915.0	740.6	1188	61.2-64.8	369.2	11236	91.48
68.4	645.8	773.1	604.3	871.2	64.8-68.4	292.4	11528	93.86
72.0	522.5	546.8	464.1	619.6	68.4-72.0	221.6	11750	95.67
75.6	409.5	369.6	367.1	445.3	72.0-75.6	127.3	11877	96.70
79.2	324.7	270.7	315.5	361.4	75.6-79.2	136.4	12014	97.81
82.8	293.7	213.5	254.7	328.3	79.2-82.8	117.4	12131	98.77
86.4	220.9	156.1	145.7	222.8	82.8-86.4	96.57	12228	99.56
90.0	142.8	81.09	41.98	47.86	86.4-90.0	54.52	12282	100.00
Unit: °	Intensity Unit: cd					Unit: lm		



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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	24648	24648	24648	24648	24648	24648	24648	24648	24648	24648	24648	24648	24648	24648	24648	24648	24648	24648	24648	24648
3.6	24630	24293	24587	24322	24652	24371	24675	24533	24692	24497	24739	24505	24672	24569	24692	24493	24629	24424	22938	
7.2	22488	21765	22318	21857	22427	21849	22382	21834	22498	21671	22731	22094	22734	22239	22982	22418	23139	22616	19744	
10.8	18991	18043	19026	17696	18918	17525	18697	17822	18490	17904	18665	17995	19162	18525	19485	19086	19962	18996	15506	
14.4	14932	13735	14575	13477	14121	13155	13821	12879	13816	12336	13912	13095	14202	13731	15132	14294	15751	15105	11134	
18.0	10442	9651	10833	9030	10612	8450	10195	7800	9053	7866	9314	8384	10615	8418	11225	9955	11119	10497	7085	
21.6	6765	5753	6461	5573	6377	5372	5954	4860	5221	4813	5260	4899	6034	5330	6787	5875	7116	6731	3864	
25.2	3725	3089	3540	3012	3453	2994	3099	2804	2902	2580	2937	2767	3165	3040	3521	3065	4167	4064	2835	
28.8	2303	2184	2302	2136	2252	1973	2051	1854	1898	1778	1869	1840	2017	1935	2158	2168	2433	2302	2291	
32.4	1718	1685	1739	1659	1670	1591	1595	1529	1532	1497	1520	1504	1547	1548	1614	1613	1717	1695	2255	
36.0	1581	1568	1553	1534	1509	1486	1470	1453	1434	1429	1433	1447	1456	1472	1494	1527	1563	1611	2308	
39.6	1653	1643	1592	1591	1562	1552	1526	1515	1463	1450	1453	1490	1505	1519	1530	1561	1601	1662	2162	
43.2	1691	1632	1604	1588	1581	1569	1548	1476	1421	1372	1406	1425	1478	1476	1489	1490	1529	1561	1954	
46.8	1637	1582	1560	1555	1544	1534	1444	1357	1330	1295	1293	1292	1341	1387	1392	1392	1411	1438	1837	
50.4	1633	1593	1602	1612	1586	1524	1360	1273	1275	1269	1249	1228	1268	1363	1393	1409	1399	1414	1803	
54.0	1677	1646	1693	1733	1696	1513	1316	1235	1258	1289	1247	1205	1235	1393	1495	1522	1485	1465	1583	
57.6	1529	1601	1759	1811	1692	1396	1231	1163	1185	1253	1198	1159	1178	1313	1547	1636	1572	1460	1108	
61.2	990.2	1228	1704	1720	1513	1058	1008	990.5	1036	1075	1023	992.7	991.2	1044	1425	1634	1564	1193	850.4	
64.8	766.2	793.2	1456	1433	1140	729.1	709.3	828.5	901.9	915.0	880.1	801.4	715.1	725.1	1131	1410	1405	834.8	740.6	
68.4	645.8	575.0	1110	1050	767.6	509.4	560.3	727.6	788.9	773.1	779.6	708.4	553.2	505.6	764.4	1061	1115	591.3	604.3	
72.0	522.5	434.1	736.5	650.3	466.1	435.2	504.2	580.6	627.7	546.8	619.5	576.5	492.7	418.8	475.3	673.3	730.6	446.7	464.1	
75.6	409.5	340.2	441.3	383.9	354.7	371.8	398.6	394.7	416.4	369.6	417.6	401.8	408.3	367.1	350.6	387.9	470.4	349.4	367.1	
79.2	324.7	281.3	292.7	276.5	298.4	295.9	293.5	292.9	299.2	270.7	288.2	271.0	295.1	295.1	298.6	273.1	290.7	280.6	315.5	
82.8	293.7	278.6	272.3	263.0	269.3	252.1	254.1	241.0	237.9	213.5	232.6	215.2	246.3	244.5	262.2	257.0	267.9	281.1	254.7	
86.4	220.9	227.4	231.3	206.9	217.7	206.4	208.2	192.6	186.0	156.1	182.0	169.4	206.2	196.4	211.6	211.4	232.8	233.3	145.7	
90.0	142.8	168.8	165.3	132.2	148.9	153.1	114.0	143.3	88.62	81.09	87.78	106.7	109.2	136.2	144.0	138.9	166.4	162.7	41.98	