

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P790788

Luminaire Tested: LER6D25D010-EC6DR3020359040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D25D010-EC6DR3020359040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5518.9 lumens
Efficiency: N/A
Efficacy: 219.9 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

Input Watts (W): 25.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

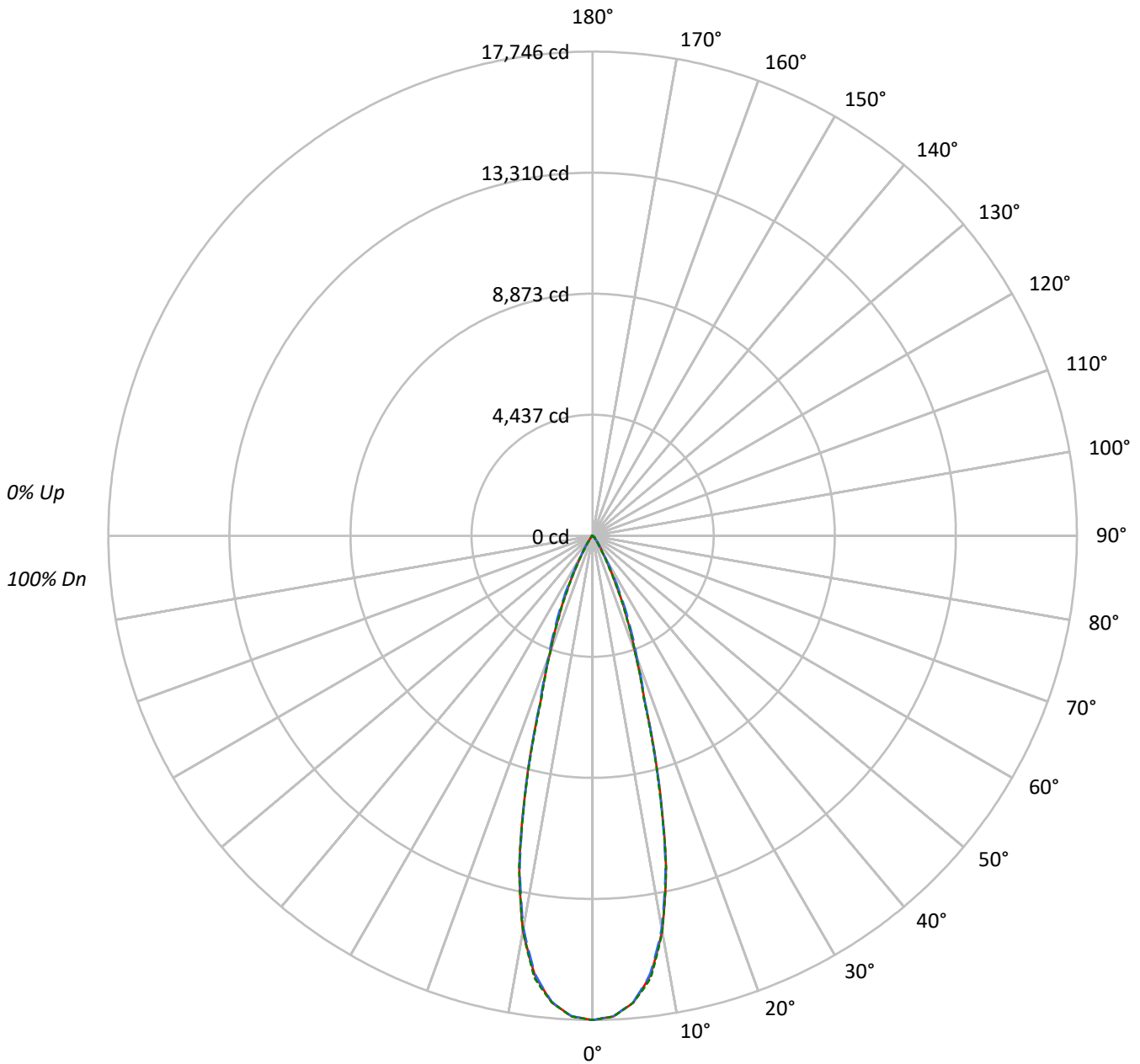


Downlight

TEST NUMBER: P790788

CATALOG NUMBER: LER6D25D010-EC6DR3020359040-6LBS1H

Luminous Intensity Polar Plot





TEST NUMBER: P790788

CATALOG NUMBER: LER6D25D010-EC6DR3020359040-6LBS1H

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1358347	1358347	1358347
5°	1319347	1317810	1319416
10°	1142756	1134696	1142484
15°	745595	741585	737861
20°	370746	384659	370249
25°	186758	210600	182932
30°	74773	81473	65148
35°	34686	33219	27846
40°	14978	16627	14099
45°	10565	13109	10662
50°	3632	9550	3834
55°	2095	3950	2215
60°	1470	1730	1470
65°	942	942	942
70°	582	380	582
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 13109 cd/sqm



TEST NUMBER: P790788

CATALOG NUMBER: LER6D25D010-EC6DR3020359040-6LBS1H

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1560.5	28.3
10°-20°	2513.2	45.5
20°-30°	1086.0	19.7
30°-40°	247.5	4.5
40°-50°	85.0	1.5
50°-60°	20.8	0.4
60°-70°	5.4	0.1
70°-80°	0.6	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5159.7	93.5
0°-40°	5407.2	98.0
0°-60°	5513.0	99.9
0°-90°	5518.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5518.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17746	17746	17746	17746	17746	
5°	17171	17154	17151	17187	17172	1562
15°	9409	9296	9358	9328	9311	2519
25°	2211	2295	2494	2237	2166	1058
35°	371	379	356	353	298	252
45°	98	121	121	121	98	69
55°	16	17	30	17	17	15
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P790788

CATALOG NUMBER: LER6D25D010-EC6DR3020359040-6LBS1H

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	17746.1	17746.1	17746.1	17746.1	17746.1
2.5°	17628.5	17616.3	17623.2	17631.9	17635.4
5°	17171.0	17154.5	17151.0	17186.7	17171.9
7.5°	16248.4	16224.8	16189.1	16270.1	16345.9
10°	14702.7	14676.6	14599.0	14637.4	14699.2
12.5°	12420.9	12336.3	12334.6	12456.6	12440.0
15°	9408.9	9295.6	9358.3	9327.8	9311.3
17.5°	6327.2	6283.6	6367.3	6342.0	6233.1
20°	4551.5	4562.9	4722.3	4642.1	4545.4
22.5°	3321.3	3362.2	3551.3	3344.8	3269.0
25°	2211.3	2294.9	2493.6	2236.6	2166.0
27.5°	1360.1	1398.4	1599.7	1342.6	1304.3
30°	846.0	826.8	921.8	791.1	737.1
32.5°	555.0	530.6	561.1	503.6	460.0
35°	371.2	379.0	355.5	352.9	298.0
37.5°	231.8	266.6	235.2	250.9	191.7
40°	149.9	193.4	166.4	183.8	141.1
42.5°	122.8	149.0	136.8	145.5	125.5
45°	97.6	121.1	121.1	121.1	98.5
47.5°	54.0	81.0	103.7	82.8	57.5
50°	30.5	40.9	80.2	42.7	32.2
52.5°	20.9	23.5	54.9	24.4	21.8
55°	15.7	16.6	29.6	17.4	16.6
57.5°	12.2	13.1	15.7	13.1	12.2
60°	9.6	9.6	11.3	10.5	9.6
62.5°	7.0	7.0	7.8	7.0	7.0
65°	5.2	5.2	5.2	5.2	5.2
67.5°	2.6	3.5	3.5	3.5	3.5
70°	2.6	1.7	1.7	1.7	2.6
72.5°	1.7	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)