

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: P790789

Luminaire Tested: LER6D25D010-EC6DR3020359040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790789
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-EC6DR3020359040-6LBS1LI
Description: 6 INCH ROUND SHALLOW 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: 5794.9 lumens
Efficiency: N/A
Efficacy: 230.9 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

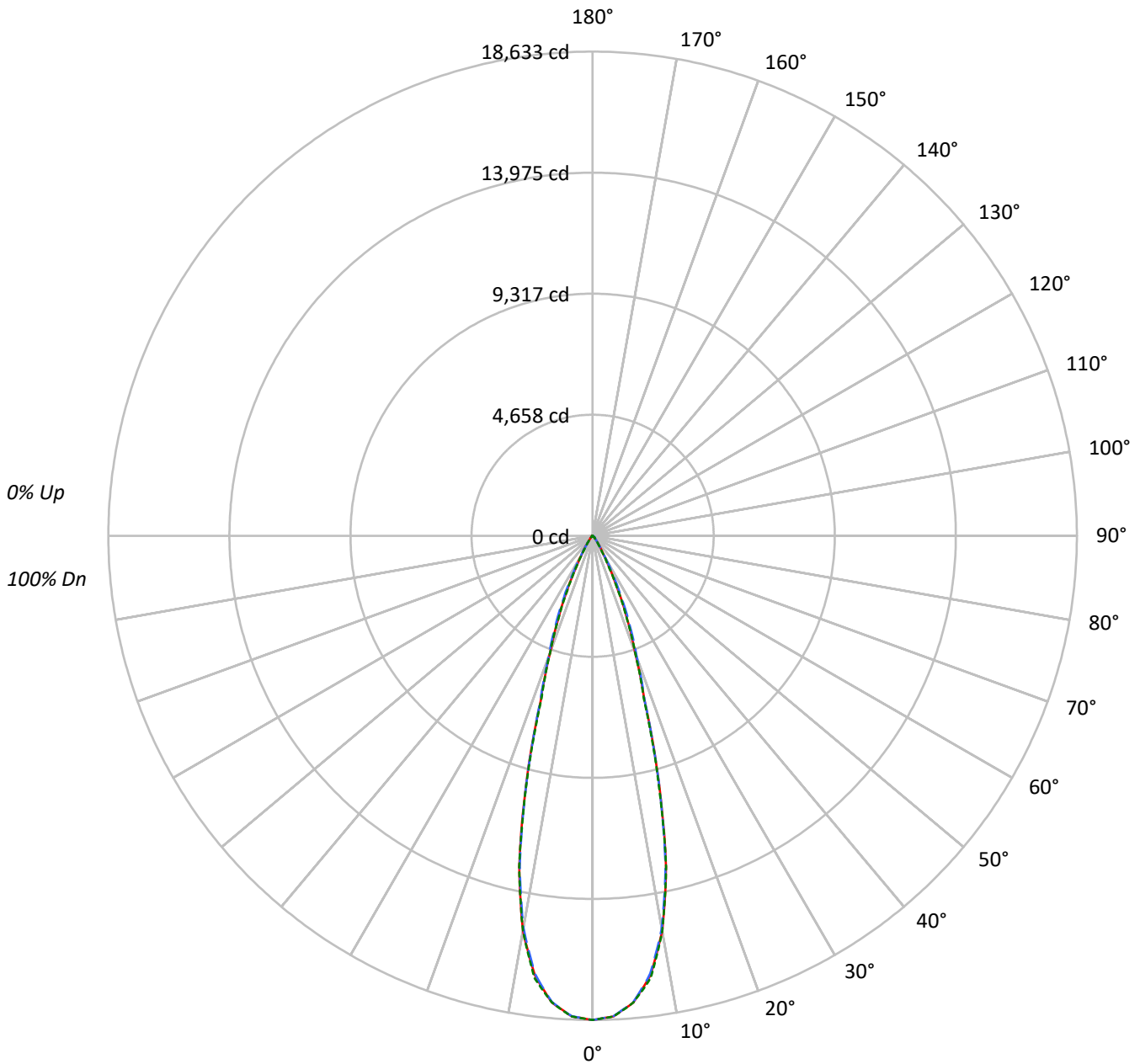


Downlight

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Luminous Intensity Polar Plot





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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1426264	1426264	1426264
5°	1385318	1383697	1385388
10°	1199898	1191434	1199611
15°	782871	778671	774756
20°	389285	403890	388764
25°	196099	221132	192079
30°	78512	85548	68410
35°	36414	34882	29238
40°	15727	17456	14808
45°	11095	13769	11193
50°	3811	10027	4025
55°	2202	4150	2322
60°	1546	1822	1546
65°	996	996	996
70°	604	403	604
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 13769 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1638.5	28.3
10°-20°	2638.9	45.5
20°-30°	1140.3	19.7
30°-40°	259.9	4.5
40°-50°	89.2	1.5
50°-60°	21.8	0.4
60°-70°	5.7	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°	5417.7	93.5
0°-40°	5677.6	98.0
0°-60°	5788.7	99.9
0°-90°	5794.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5794.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18633	18633	18633	18633	18633	
5°	18030	18012	18008	18046	18030	1640
15°	9879	9760	9826	9794	9777	2645
25°	2322	2410	2618	2348	2274	1111
35°	390	398	373	370	313	264
45°	102	127	127	127	103	73
55°	16	17	31	18	17	16
65°	6	6	6	6	6	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18633.4	18633.4	18633.4	18633.4	18633.4
2.5°	18509.9	18497.1	18504.4	18513.5	18517.2
5°	18029.6	18012.2	18008.5	18046.1	18030.5
7.5°	17060.8	17036.1	16998.6	17083.6	17163.2
10°	15437.9	15410.4	15329.0	15369.2	15434.2
12.5°	13041.9	12953.2	12951.3	13079.4	13062.0
15°	9879.3	9760.4	9826.3	9794.2	9776.9
17.5°	6643.5	6597.8	6685.6	6659.1	6544.7
20°	4779.1	4791.0	4958.4	4874.2	4772.7
22.5°	3487.4	3530.4	3728.9	3512.1	3432.5
25°	2321.9	2409.7	2618.3	2348.4	2274.3
27.5°	1428.1	1468.3	1679.6	1409.8	1369.5
30°	888.3	868.2	967.9	830.7	774.0
32.5°	582.8	557.1	589.2	528.8	483.0
35°	389.7	398.0	373.3	370.5	312.9
37.5°	243.3	279.9	247.0	263.5	201.3
40°	157.4	203.1	174.7	193.0	148.2
42.5°	129.0	156.4	143.6	152.8	131.7
45°	102.5	127.2	127.2	127.2	103.4
47.5°	56.7	85.1	108.9	86.9	60.4
50°	32.0	43.0	84.2	44.8	33.8
52.5°	22.0	24.7	57.6	25.6	22.9
55°	16.5	17.4	31.1	18.3	17.4
57.5°	12.8	13.7	16.5	13.7	12.8
60°	10.1	10.1	11.9	11.0	10.1
62.5°	7.3	7.3	8.2	7.3	7.3
65°	5.5	5.5	5.5	5.5	5.5
67.5°	2.7	3.7	3.7	3.7	3.7
70°	2.7	1.8	1.8	1.8	2.7
72.5°	1.8	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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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(END OF REPORT)