

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: P790767

Luminaire Tested: LER6D25D010-EC6DR3020359030-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790767
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-EC6DR3020359030-6LBDDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3890.9 lumens
Efficiency: N/A
Efficacy: 155.0 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

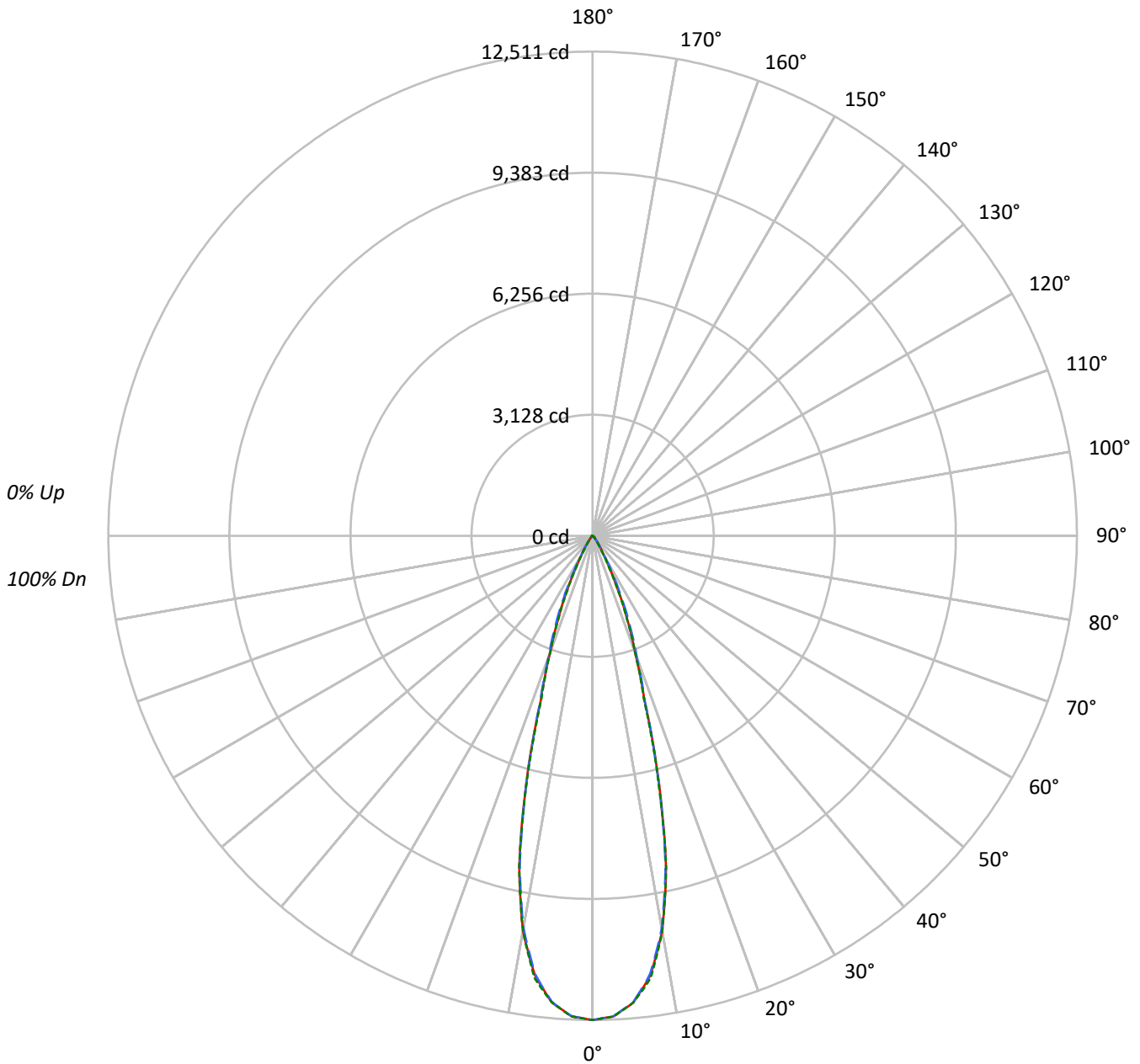


Downlight

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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°	957642	957642	957642
5°	930151	929068	930197
10°	805650	799969	805464
15°	525646	522825	520194
20°	261383	271191	261033
25°	131667	148474	128965
30°	52713	57441	45934
35°	24454	23417	19632
40°	10562	11721	9942
45°	7448	9244	7512
50°	2560	6728	2703
55°	1481	2789	1561
60°	1041	1225	1041
65°	670	670	670
70°	403	269	403
75°	0	177	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 9244 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1100.2	28.3
10°-20°	1771.8	45.5
20°-30°	765.7	19.7
30°-40°	174.5	4.5
40°-50°	59.9	1.5
50°-60°	14.6	0.4
60°-70°	3.8	0.1
70°-80°	0.4	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°	3637.6	93.5
0°-40°	3812.1	98.0
0°-60°	3886.7	99.9
0°-90°	3890.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3890.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12511	12511	12511	12511	12511	
5°	12106	12094	12092	12117	12106	1101
15°	6633	6554	6598	6576	6564	1776
25°	1559	1618	1758	1577	1527	746
35°	262	267	251	249	210	177
45°	69	85	85	85	69	49
55°	11	12	21	12	12	11
65°	4	4	4	4	4	4
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°	12511.1	12511.1	12511.1	12511.1	12511.1
2.5°	12428.2	12419.6	12424.5	12430.7	12433.1
5°	12105.7	12094.0	12091.6	12116.8	12106.3
7.5°	11455.2	11438.6	11413.5	11470.6	11524.0
10°	10365.5	10347.1	10292.4	10319.5	10363.1
12.5°	8756.8	8697.2	8696.0	8782.0	8770.3
15°	6633.3	6553.5	6597.7	6576.2	6564.5
17.5°	4460.7	4430.0	4489.0	4471.2	4394.4
20°	3208.9	3216.8	3329.3	3272.7	3204.6
22.5°	2341.5	2370.4	2503.7	2358.1	2304.7
25°	1559.0	1617.9	1758.0	1576.8	1527.0
27.5°	958.9	985.9	1127.8	946.6	919.5
30°	596.4	582.9	649.9	557.7	519.7
32.5°	391.3	374.1	395.6	355.0	324.3
35°	261.7	267.2	250.6	248.8	210.1
37.5°	163.4	188.0	165.8	176.9	135.1
40°	105.7	136.4	117.3	129.6	99.5
42.5°	86.6	105.0	96.4	102.6	88.5
45°	68.8	85.4	85.4	85.4	69.4
47.5°	38.1	57.1	73.1	58.4	40.5
50°	21.5	28.9	56.5	30.1	22.7
52.5°	14.7	16.6	38.7	17.2	15.4
55°	11.1	11.7	20.9	12.3	11.7
57.5°	8.6	9.2	11.1	9.2	8.6
60°	6.8	6.8	8.0	7.4	6.8
62.5°	4.9	4.9	5.5	4.9	4.9
65°	3.7	3.7	3.7	3.7	3.7
67.5°	1.8	2.5	2.5	2.5	2.5
70°	1.8	1.2	1.2	1.2	1.8
72.5°	1.2	0.6	0.6	0.6	0.6
75°	0.0	0.0	0.6	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)