

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: P790753

Luminaire Tested: LER6D25D010-EC6DR3020359024-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P790753
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-EC6DR3020359024-6LBDDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4427.2 lumens
Efficiency: N/A
Efficacy: 176.4 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

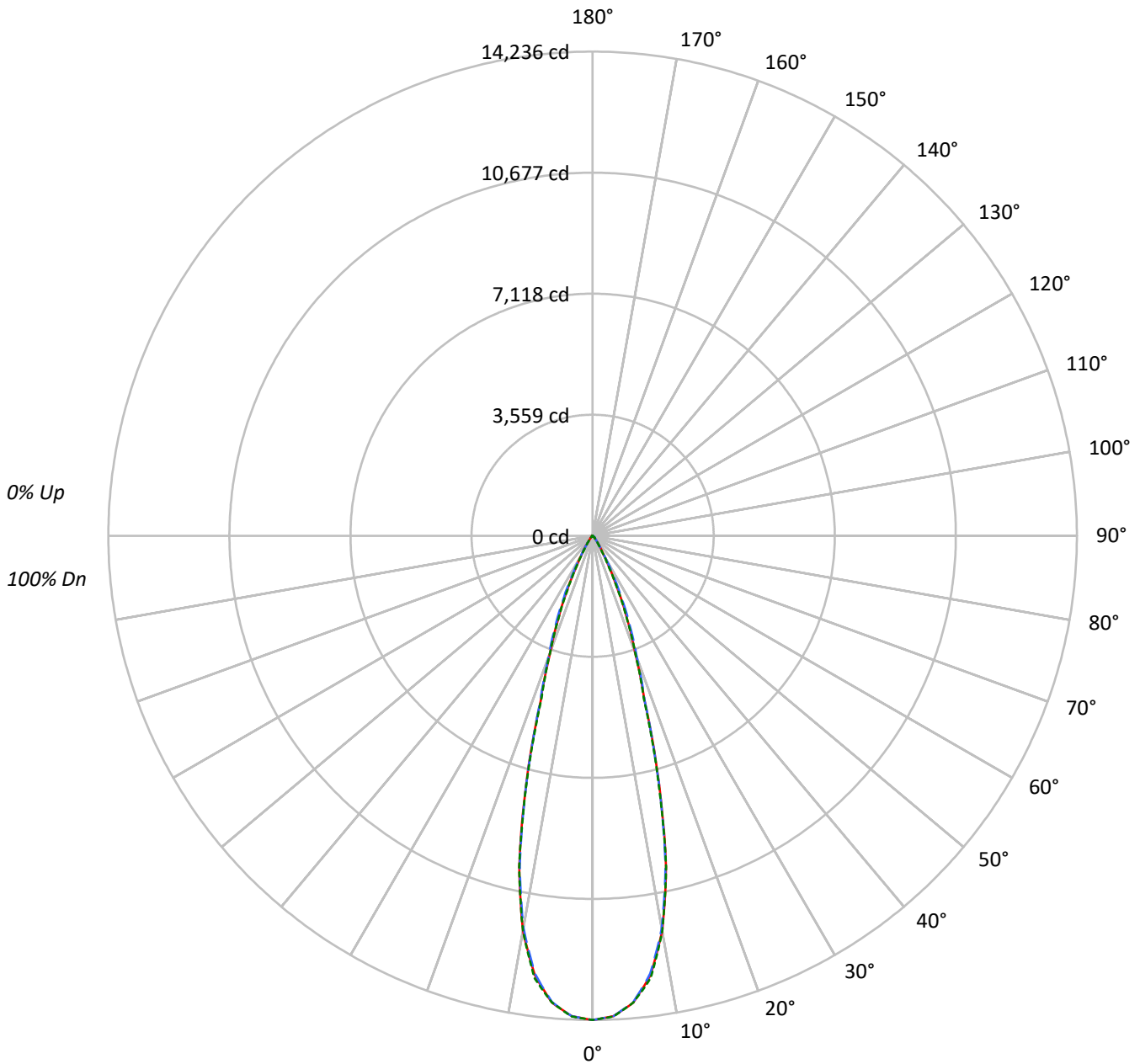


Downlight

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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	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°	1089634	1089634	1089634
5°	1058351	1057114	1058405
10°	916695	910228	916477
15°	598099	594881	591894
20°	297403	308563	297004
25°	149809	168938	146743
30°	59978	65352	52262
35°	27818	26650	22333
40°	12010	13339	11311
45°	8476	10511	8552
50°	2917	7657	3084
55°	1681	3176	1775
60°	1179	1393	1179
65°	761	761	761
70°	470	313	470
75°	0	207	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 10511 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1251.8	28.3
10°-20°	2016.0	45.5
20°-30°	871.2	19.7
30°-40°	198.6	4.5
40°-50°	68.2	1.5
50°-60°	16.7	0.4
60°-70°	4.3	0.1
70°-80°	0.5	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°	4139.0	93.5
0°-40°	4337.6	98.0
0°-60°	4422.4	99.9
0°-90°	4427.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4427.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	14236	14236	14236	14236	14236	
5°	13774	13761	13758	13787	13775	1253
15°	7548	7457	7507	7483	7469	2021
25°	1774	1841	2000	1794	1738	849
35°	298	304	285	283	239	202
45°	78	97	97	97	79	56
55°	13	13	24	14	13	12
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°	14235.5	14235.5	14235.5	14235.5	14235.5
2.5°	14141.1	14131.3	14136.9	14143.9	14146.7
5°	13774.2	13760.9	13758.1	13786.8	13774.9
7.5°	13034.0	13015.2	12986.5	13051.5	13112.3
10°	11794.2	11773.2	11711.0	11741.7	11791.4
12.5°	9963.7	9895.9	9894.5	9992.4	9979.1
15°	7547.6	7456.7	7507.0	7482.6	7469.3
17.5°	5075.5	5040.6	5107.7	5087.4	5000.0
20°	3651.1	3660.2	3788.1	3723.8	3646.2
22.5°	2664.3	2697.1	2848.8	2683.1	2622.3
25°	1773.8	1840.9	2000.3	1794.1	1737.5
27.5°	1091.0	1121.8	1283.2	1077.0	1046.3
30°	678.6	663.3	739.4	634.6	591.3
32.5°	445.2	425.6	450.1	404.0	369.0
35°	297.7	304.0	285.2	283.1	239.0
37.5°	185.9	213.9	188.7	201.3	153.8
40°	120.2	155.2	133.5	147.5	113.2
42.5°	98.5	119.5	109.7	116.7	100.6
45°	78.3	97.1	97.1	97.1	79.0
47.5°	43.3	65.0	83.2	66.4	46.1
50°	24.5	32.8	64.3	34.2	25.9
52.5°	16.8	18.9	44.0	19.6	17.5
55°	12.6	13.3	23.8	14.0	13.3
57.5°	9.8	10.5	12.6	10.5	9.8
60°	7.7	7.7	9.1	8.4	7.7
62.5°	5.6	5.6	6.3	5.6	5.6
65°	4.2	4.2	4.2	4.2	4.2
67.5°	2.1	2.8	2.8	2.8	2.8
70°	2.1	1.4	1.4	1.4	2.1
72.5°	1.4	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	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)