

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: P788321

Luminaire Tested: LER6D08D010-EC6DR300210IC9024-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788321
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: LER6D08D010-EC6DR300210IC9024-6LBDP1LI
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: 1213.8 lumens
Efficiency: N/A
Efficacy: 136.4 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): 8.9
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

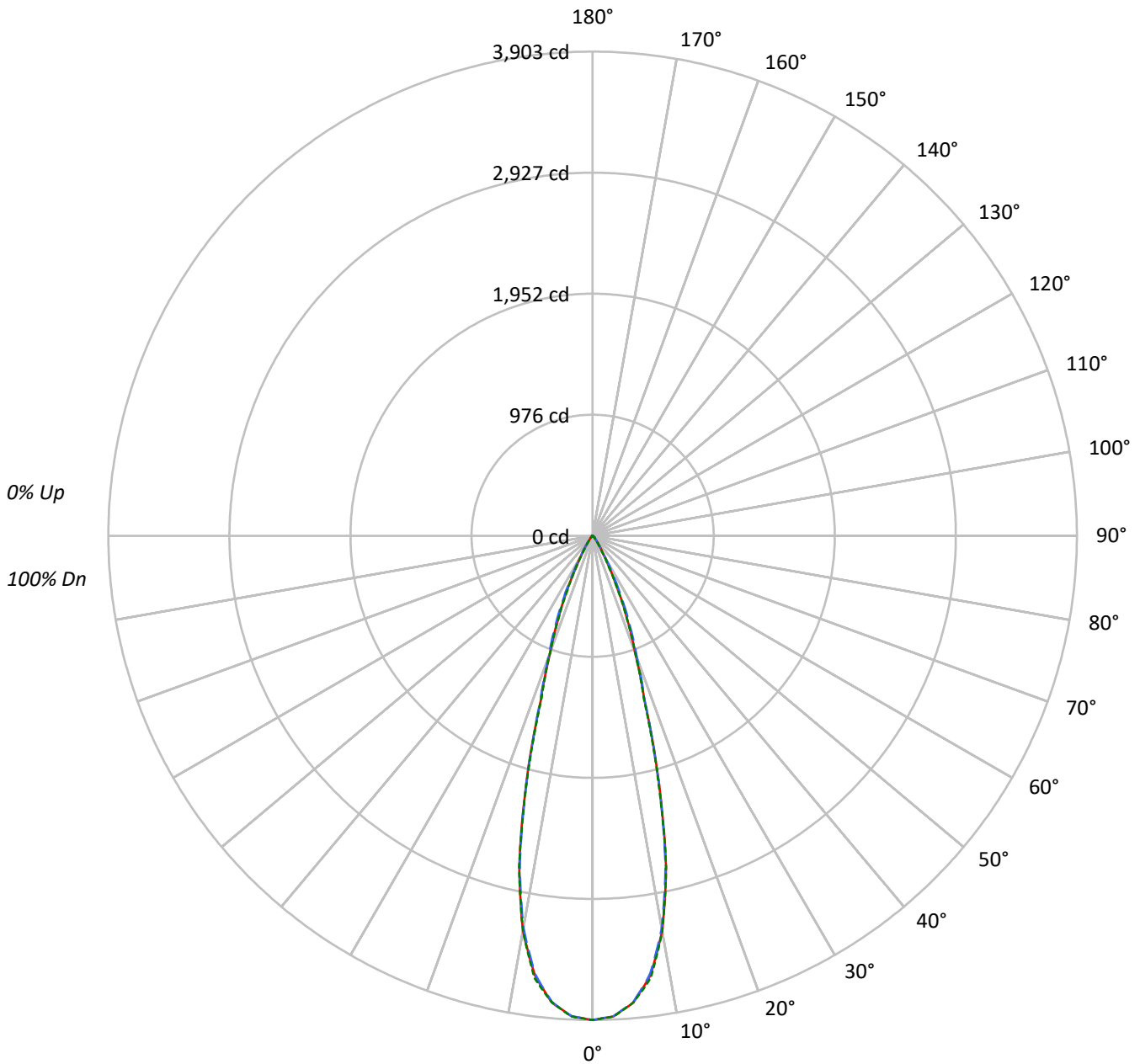


Downlight

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CATALOG NUMBER: LER6D08D010-EC6DR300210IC9024-6LBDP1LI

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°	298749	298749	298749
5°	290170	289832	290186
10°	251337	249565	251275
15°	163987	163099	162283
20°	81537	84600	81431
25°	41071	46316	40235
30°	16448	17916	14327
35°	7625	7307	6120
40°	3297	3657	3098
45°	2327	2879	2349
50°	798	2096	845
55°	454	867	480
60°	321	383	321
65°	199	199	199
70°	134	90	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 2879 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.2	28.3
10°-20°	552.7	45.5
20°-30°	238.9	19.7
30°-40°	54.4	4.5
40°-50°	18.7	1.5
50°-60°	4.6	0.4
60°-70°	1.2	0.1
70°-80°	0.1	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°	1134.8	93.5
0°-40°	1189.2	98.0
0°-60°	1212.5	99.9
0°-90°	1213.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1213.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3903	3903	3903	3903	3903	
5°	3776	3773	3772	3780	3777	343
15°	2069	2044	2058	2052	2048	554
25°	486	505	548	492	476	233
35°	82	83	78	78	66	55
45°	22	27	27	27	22	15
55°	3	4	6	4	4	3
65°	1	1	1	1	1	1
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3903.0	3903.0	3903.0	3903.0	3903.0
2.5°	3877.1	3874.5	3876.0	3877.9	3878.7
5°	3776.5	3772.9	3772.1	3780.0	3776.7
7.5°	3573.6	3568.4	3560.6	3578.4	3595.1
10°	3233.7	3227.9	3210.9	3219.3	3232.9
12.5°	2731.8	2713.2	2712.8	2739.7	2736.0
15°	2069.4	2044.4	2058.2	2051.5	2047.9
17.5°	1391.6	1382.0	1400.4	1394.8	1370.9
20°	1001.0	1003.5	1038.6	1021.0	999.7
22.5°	730.5	739.5	781.1	735.6	719.0
25°	486.3	504.7	548.4	491.9	476.4
27.5°	299.1	307.6	351.8	295.3	286.9
30°	186.1	181.9	202.7	174.0	162.1
32.5°	122.1	116.7	123.4	110.8	101.2
35°	81.6	83.4	78.2	77.6	65.5
37.5°	51.0	58.6	51.7	55.2	42.2
40°	33.0	42.5	36.6	40.4	31.0
42.5°	27.0	32.8	30.1	32.0	27.6
45°	21.5	26.6	26.6	26.6	21.7
47.5°	11.9	17.8	22.8	18.2	12.6
50°	6.7	9.0	17.6	9.4	7.1
52.5°	4.6	5.2	12.1	5.4	4.8
55°	3.4	3.6	6.5	3.8	3.6
57.5°	2.7	2.9	3.4	2.9	2.7
60°	2.1	2.1	2.5	2.3	2.1
62.5°	1.5	1.5	1.7	1.5	1.5
65°	1.1	1.1	1.1	1.1	1.1
67.5°	0.6	0.8	0.8	0.8	0.8
70°	0.6	0.4	0.4	0.4	0.6
72.5°	0.4	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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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