

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: P787722

Luminaire Tested: LER6D05D010-EC6DR300210IC9035-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P787722
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: LER6D05D010-EC6DR300210IC9035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1060.6 lumens
Efficiency: N/A
Efficacy: 141.4 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): 7.5
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

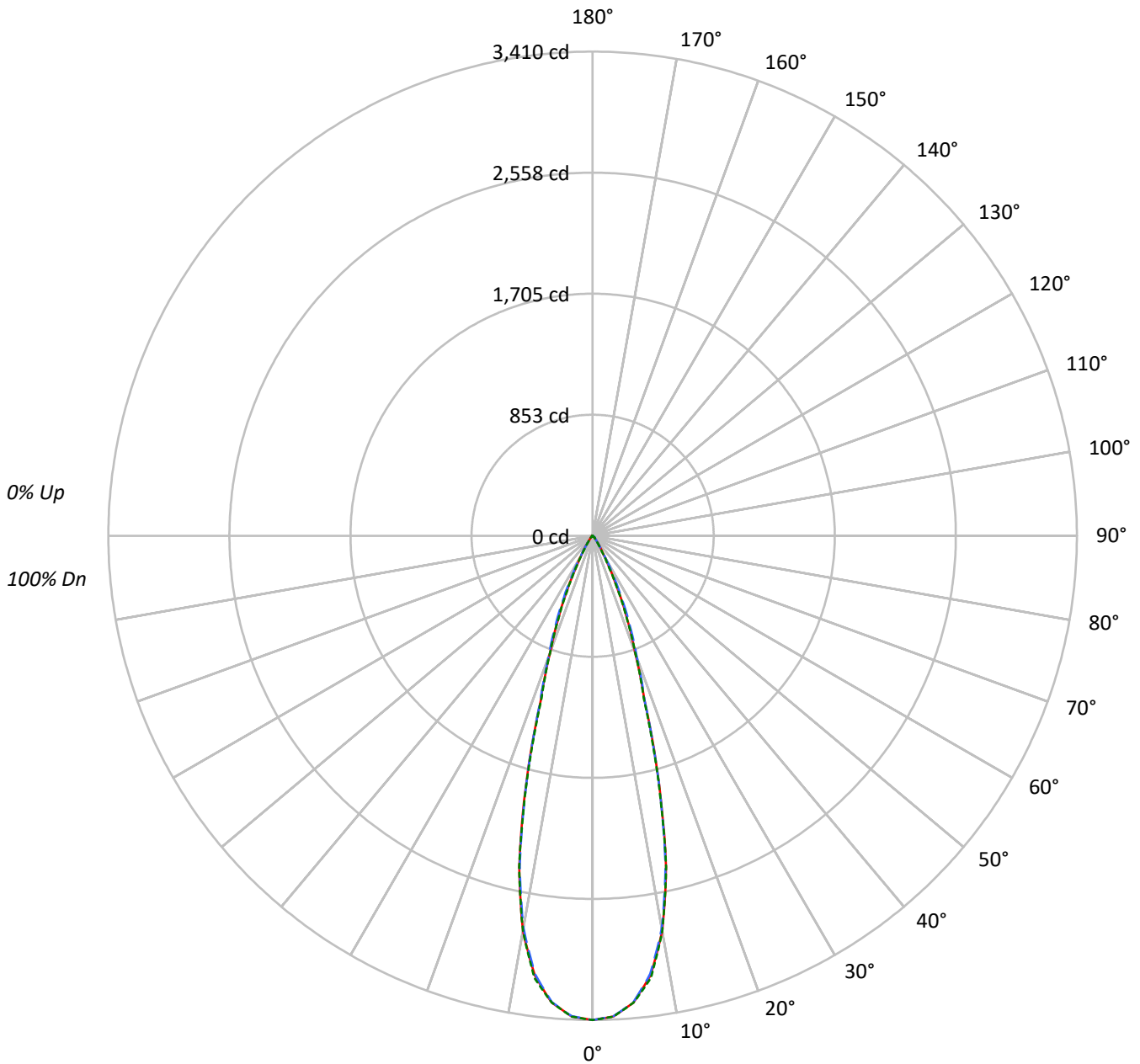


Downlight

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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°	261051	261051	261051
5°	253558	253266	253573
10°	219618	218071	219571
15°	143288	142520	141806
20°	71249	73929	71160
25°	35894	40471	35159
30°	14371	15662	12524
35°	6662	6382	5354
40°	2878	3197	2708
45°	2035	2522	2046
50°	703	1834	738
55°	400	761	427
60°	276	337	276
65°	181	181	181
70°	112	67	112
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 2522 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	299.9	28.3
10°-20°	483.0	45.5
20°-30°	208.7	19.7
30°-40°	47.6	4.5
40°-50°	16.3	1.5
50°-60°	4.0	0.4
60°-70°	1.0	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°	991.6	93.5
0°-40°	1039.2	98.0
0°-60°	1059.5	99.9
0°-90°	1060.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1060.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3410	3410	3410	3410	3410	
5°	3300	3297	3296	3303	3300	300
15°	1808	1786	1798	1793	1790	484
25°	425	441	479	430	416	203
35°	71	73	68	68	57	48
45°	19	23	23	23	19	13
55°	3	3	6	3	3	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°	3410.5	3410.5	3410.5	3410.5	3410.5
2.5°	3387.9	3385.6	3386.9	3388.6	3389.3
5°	3300.0	3296.8	3296.2	3303.0	3300.2
7.5°	3122.7	3118.2	3111.3	3126.9	3141.4
10°	2825.6	2820.6	2805.7	2813.1	2825.0
12.5°	2387.1	2370.9	2370.5	2394.0	2390.8
15°	1808.2	1786.5	1798.5	1792.7	1789.5
17.5°	1216.0	1207.6	1223.7	1218.8	1197.9
20°	874.7	876.9	907.6	892.1	873.6
22.5°	638.3	646.2	682.5	642.8	628.3
25°	425.0	441.1	479.2	429.8	416.3
27.5°	261.4	268.7	307.4	258.0	250.7
30°	162.6	158.9	177.2	152.0	141.7
32.5°	106.7	102.0	107.8	96.8	88.4
35°	71.3	72.8	68.3	67.8	57.3
37.5°	44.5	51.2	45.2	48.2	36.8
40°	28.8	37.2	32.0	35.3	27.1
42.5°	23.6	28.6	26.3	28.0	24.1
45°	18.8	23.3	23.3	23.3	18.9
47.5°	10.4	15.6	19.9	15.9	11.1
50°	5.9	7.9	15.4	8.2	6.2
52.5°	4.0	4.5	10.5	4.7	4.2
55°	3.0	3.2	5.7	3.3	3.2
57.5°	2.3	2.5	3.0	2.5	2.3
60°	1.8	1.8	2.2	2.0	1.8
62.5°	1.3	1.3	1.5	1.3	1.3
65°	1.0	1.0	1.0	1.0	1.0
67.5°	0.5	0.7	0.7	0.7	0.7
70°	0.5	0.3	0.3	0.3	0.5
72.5°	0.3	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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(END OF REPORT)