

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: P759191

Luminaire Tested: LD6D08D010-EU6DR300210IC9035-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P759191
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: LD6D08D010-EU6DR300210IC9035-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 841.5 lumens
Efficiency: N/A
Efficacy: 94.6 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



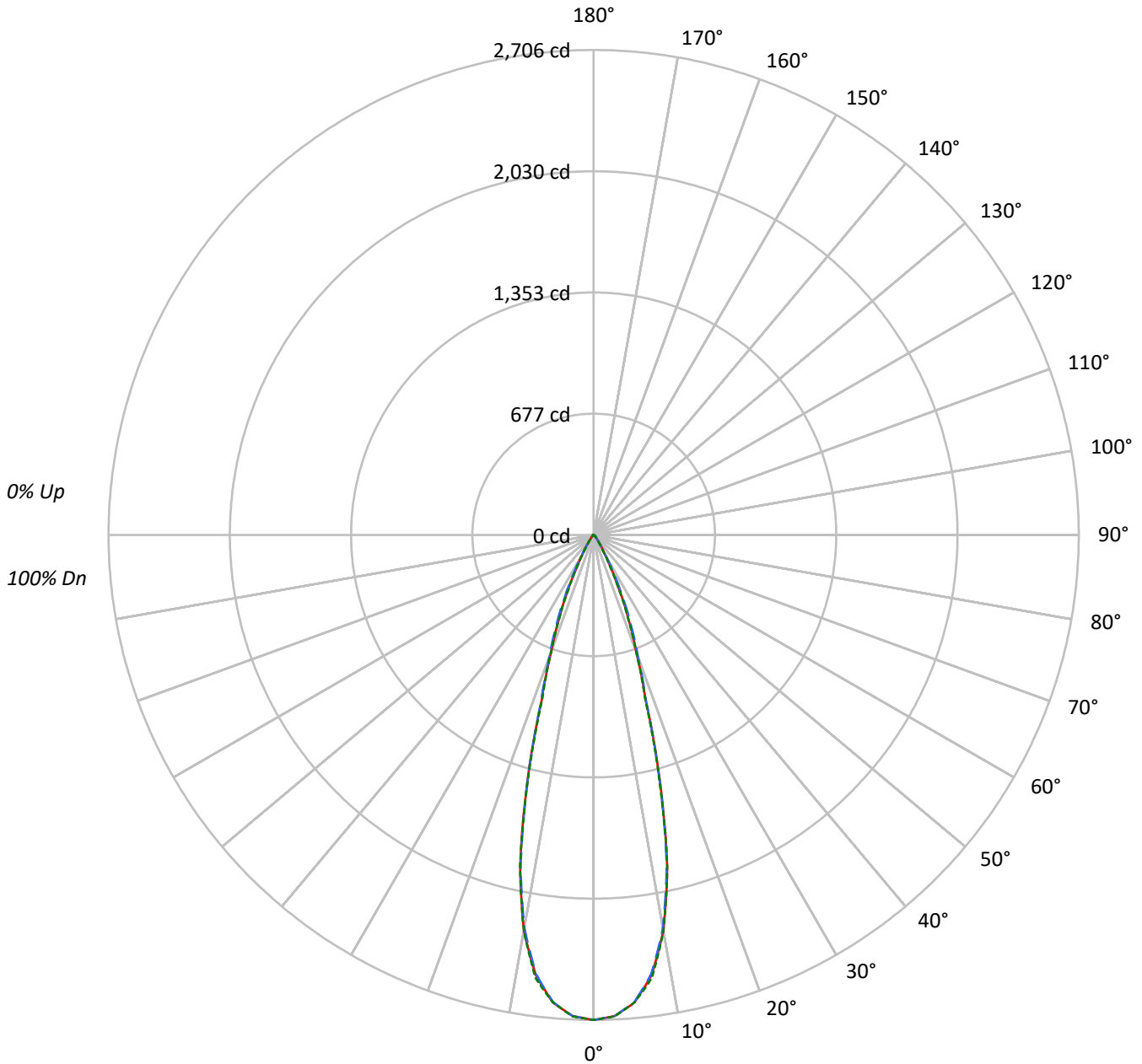
Downlight



TEST NUMBER: P759191

CATALOG NUMBER: LD6D08D010-EU6DR300210IC9035-6LBDP1LI

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	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°	207119	207119	207119
5°	201179	200941	201187
10°	174250	173022	174203
15°	113691	113073	112510
20°	56530	58656	56457
25°	28479	32110	27887
30°	11402	12418	9934
35°	5289	5065	4242
40°	2288	2538	2148
45°	1613	1992	1624
50°	548	1453	583
55°	320	601	334
60°	230	260	230
65°	145	145	145
70°	90	67	90
75°	0	30	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 1992 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.9	28.3
10°-20°	383.2	45.5
20°-30°	165.6	19.7
30°-40°	37.7	4.5
40°-50°	13.0	1.5
50°-60°	3.2	0.4
60°-70°	0.8	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°	786.8	93.5
0°-40°	824.5	98.0
0°-60°	840.6	99.9
0°-90°	841.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	841.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2706	2706	2706	2706	2706	
5°	2618	2616	2615	2621	2618	238
15°	1435	1417	1427	1422	1420	384
25°	337	350	380	341	330	161
35°	57	58	54	54	45	38
45°	15	18	18	18	15	11
55°	2	2	4	3	2	2
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°	2705.9	2705.9	2705.9	2705.9	2705.9
2.5°	2688.0	2686.1	2687.2	2688.5	2689.0
5°	2618.3	2615.7	2615.2	2620.6	2618.4
7.5°	2477.6	2473.9	2468.5	2480.9	2492.5
10°	2241.9	2237.9	2226.1	2231.9	2241.3
12.5°	1893.9	1881.1	1880.8	1899.4	1896.9
15°	1434.7	1417.4	1426.9	1422.3	1419.8
17.5°	964.8	958.1	970.9	967.0	950.4
20°	694.0	695.7	720.1	707.8	693.1
22.5°	506.4	512.7	541.5	510.0	498.5
25°	337.2	350.0	380.2	341.0	330.2
27.5°	207.4	213.3	243.9	204.7	198.9
30°	129.0	126.0	140.5	120.6	112.4
32.5°	84.6	80.9	85.5	76.8	70.1
35°	56.6	57.8	54.2	53.8	45.4
37.5°	35.4	40.7	35.9	38.3	29.2
40°	22.9	29.5	25.4	28.0	21.5
42.5°	18.7	22.7	20.9	22.2	19.1
45°	14.9	18.4	18.4	18.4	15.0
47.5°	8.3	12.4	15.8	12.6	8.8
50°	4.6	6.2	12.2	6.5	4.9
52.5°	3.2	3.6	8.4	3.7	3.3
55°	2.4	2.5	4.5	2.6	2.5
57.5°	1.8	2.0	2.4	2.0	1.8
60°	1.5	1.5	1.7	1.6	1.5
62.5°	1.1	1.1	1.2	1.1	1.1
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.4	0.5	0.5	0.5	0.5
70°	0.4	0.3	0.3	0.3	0.4
72.5°	0.3	0.1	0.1	0.1	0.1
75°	0.0	0.0	0.1	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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