

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: P759194

Luminaire Tested: LD6D08D010-EU6DR300210IC9035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P759194
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-EU6DR300210IC9035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-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: 843.6 lumens
Efficiency: N/A
Efficacy: 94.8 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

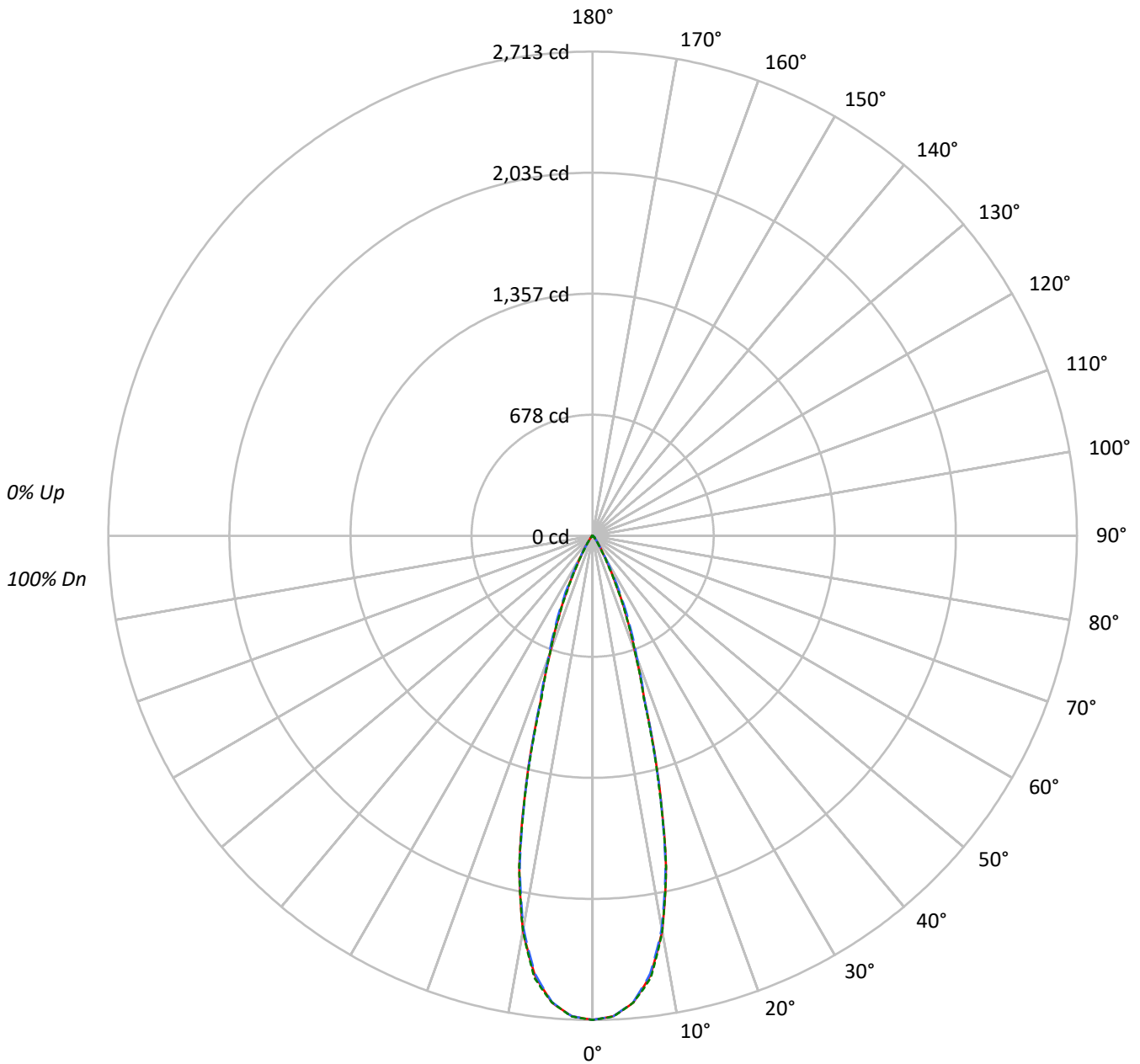


Downlight



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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						100													
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96						96													
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92						92													
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89						89													
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85						85													
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82						82													
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79						79													
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77						77													
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74						74													
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72						72													
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69						69													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	207639	207639	207639
5°	201679	201448	201686
10°	174685	173449	174639
15°	113976	113358	112787
20°	56669	58803	56595
25°	28546	32195	27963
30°	11428	12453	9961
35°	5298	5074	4252
40°	2288	2538	2158
45°	1613	2003	1635
50°	548	1465	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: 2003 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.5	28.3
10°-20°	384.2	45.5
20°-30°	166.0	19.7
30°-40°	37.8	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°	788.7	93.5
0°-40°	826.6	98.0
0°-60°	842.7	99.9
0°-90°	843.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	843.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2713	2713	2713	2713	2713	
5°	2625	2622	2622	2627	2625	239
15°	1438	1421	1430	1426	1423	385
25°	338	351	381	342	331	162
35°	57	58	54	54	46	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°	2712.7	2712.7	2712.7	2712.7	2712.7
2.5°	2694.7	2692.9	2694.0	2695.3	2695.8
5°	2624.8	2622.3	2621.8	2627.2	2624.9
7.5°	2483.7	2480.2	2474.7	2487.1	2498.7
10°	2247.5	2243.5	2231.6	2237.5	2246.9
12.5°	1898.7	1885.8	1885.5	1904.1	1901.6
15°	1438.3	1421.0	1430.5	1425.9	1423.3
17.5°	967.2	960.6	973.3	969.4	952.8
20°	695.7	697.5	721.9	709.6	694.8
22.5°	507.7	513.9	542.9	511.3	499.7
25°	338.0	350.8	381.2	341.9	331.1
27.5°	207.9	213.8	244.5	205.2	199.4
30°	129.3	126.4	140.9	120.9	112.7
32.5°	84.9	81.1	85.8	77.0	70.3
35°	56.7	57.9	54.3	53.9	45.5
37.5°	35.4	40.7	36.0	38.3	29.3
40°	22.9	29.6	25.4	28.1	21.6
42.5°	18.8	22.7	20.9	22.2	19.2
45°	14.9	18.5	18.5	18.5	15.1
47.5°	8.3	12.4	15.9	12.7	8.8
50°	4.6	6.2	12.3	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°	1.9	2.0	2.4	2.0	1.9
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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