

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: P788361

Luminaire Tested: LER6D08D010-EC6DR300210IC9050-6LBDP1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788361
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-EC6DR300210IC9050-6LBDP1LI
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1491.6 lumens
Efficiency: N/A
Efficacy: 167.6 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

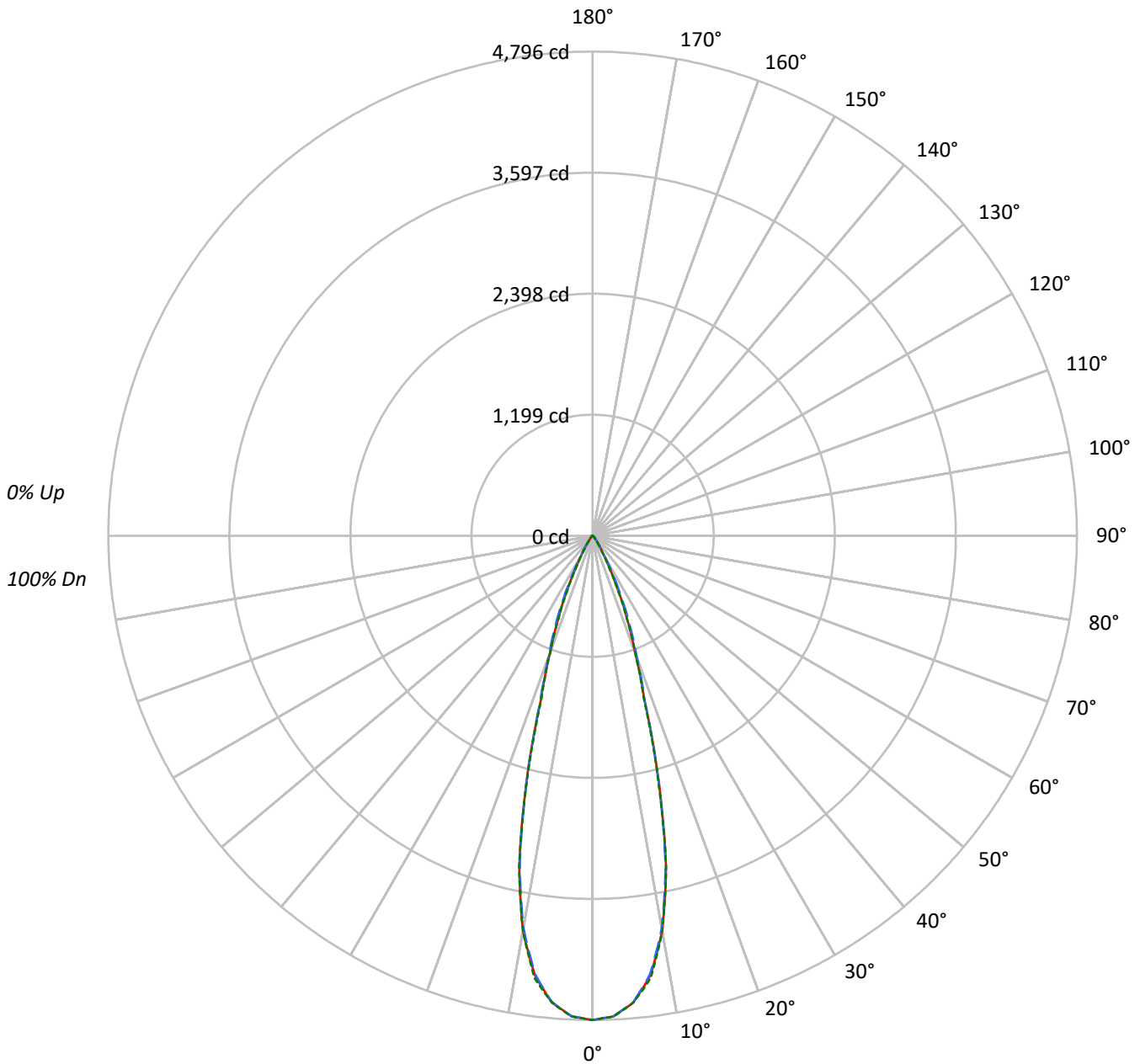


Downlight

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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°	367110	367110	367110
5°	356572	356157	356595
10°	308845	306669	308775
15°	201508	200423	199416
20°	100199	103962	100068
25°	50471	56915	49441
30°	20205	22017	17606
35°	9372	8980	7522
40°	4047	4496	3807
45°	2858	3540	2879
50°	976	2584	1036
55°	560	1068	601
60°	398	475	398
65°	254	254	254
70°	157	112	157
75°	0	59	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 3540 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	421.7	28.3
10°-20°	679.2	45.5
20°-30°	293.5	19.7
30°-40°	66.9	4.5
40°-50°	23.0	1.5
50°-60°	5.6	0.4
60°-70°	1.4	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°	1394.5	93.5
0°-40°	1461.4	98.0
0°-60°	1490.0	99.9
0°-90°	1491.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1491.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4796	4796	4796	4796	4796	
5°	4641	4636	4635	4645	4641	422
15°	2543	2512	2529	2521	2516	681
25°	598	620	674	604	585	286
35°	100	102	96	95	80	68
45°	26	33	33	33	27	19
55°	4	4	8	5	4	4
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4796.1	4796.1	4796.1	4796.1	4796.1
2.5°	4764.4	4761.1	4762.9	4765.3	4766.2
5°	4640.7	4636.3	4635.3	4645.0	4641.0
7.5°	4391.4	4385.0	4375.4	4397.3	4417.7
10°	3973.6	3966.6	3945.6	3956.0	3972.7
12.5°	3356.9	3334.1	3333.6	3366.6	3362.1
15°	2542.9	2512.3	2529.2	2521.0	2516.5
17.5°	1710.0	1698.2	1720.8	1714.0	1684.6
20°	1230.1	1233.2	1276.3	1254.6	1228.5
22.5°	897.6	908.7	959.8	904.0	883.5
25°	597.6	620.2	673.9	604.5	585.4
27.5°	367.6	377.9	432.3	362.9	352.5
30°	228.6	223.5	249.1	213.8	199.2
32.5°	150.0	143.4	151.6	136.1	124.3
35°	100.3	102.4	96.1	95.4	80.5
37.5°	62.6	72.1	63.6	67.8	51.8
40°	40.5	52.3	45.0	49.7	38.1
42.5°	33.2	40.3	37.0	39.3	33.9
45°	26.4	32.7	32.7	32.7	26.6
47.5°	14.6	21.9	28.0	22.4	15.5
50°	8.2	11.1	21.7	11.5	8.7
52.5°	5.7	6.4	14.8	6.6	5.9
55°	4.2	4.5	8.0	4.7	4.5
57.5°	3.3	3.5	4.2	3.5	3.3
60°	2.6	2.6	3.1	2.8	2.6
62.5°	1.9	1.9	2.1	1.9	1.9
65°	1.4	1.4	1.4	1.4	1.4
67.5°	0.7	0.9	0.9	0.9	0.9
70°	0.7	0.5	0.5	0.5	0.7
72.5°	0.5	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

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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