

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: P788339

Luminaire Tested: LER6D08D010-EC6DR300210IC9030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788339
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-EC6DR300210IC9030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1307.7 lumens
Efficiency: N/A
Efficacy: 146.9 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

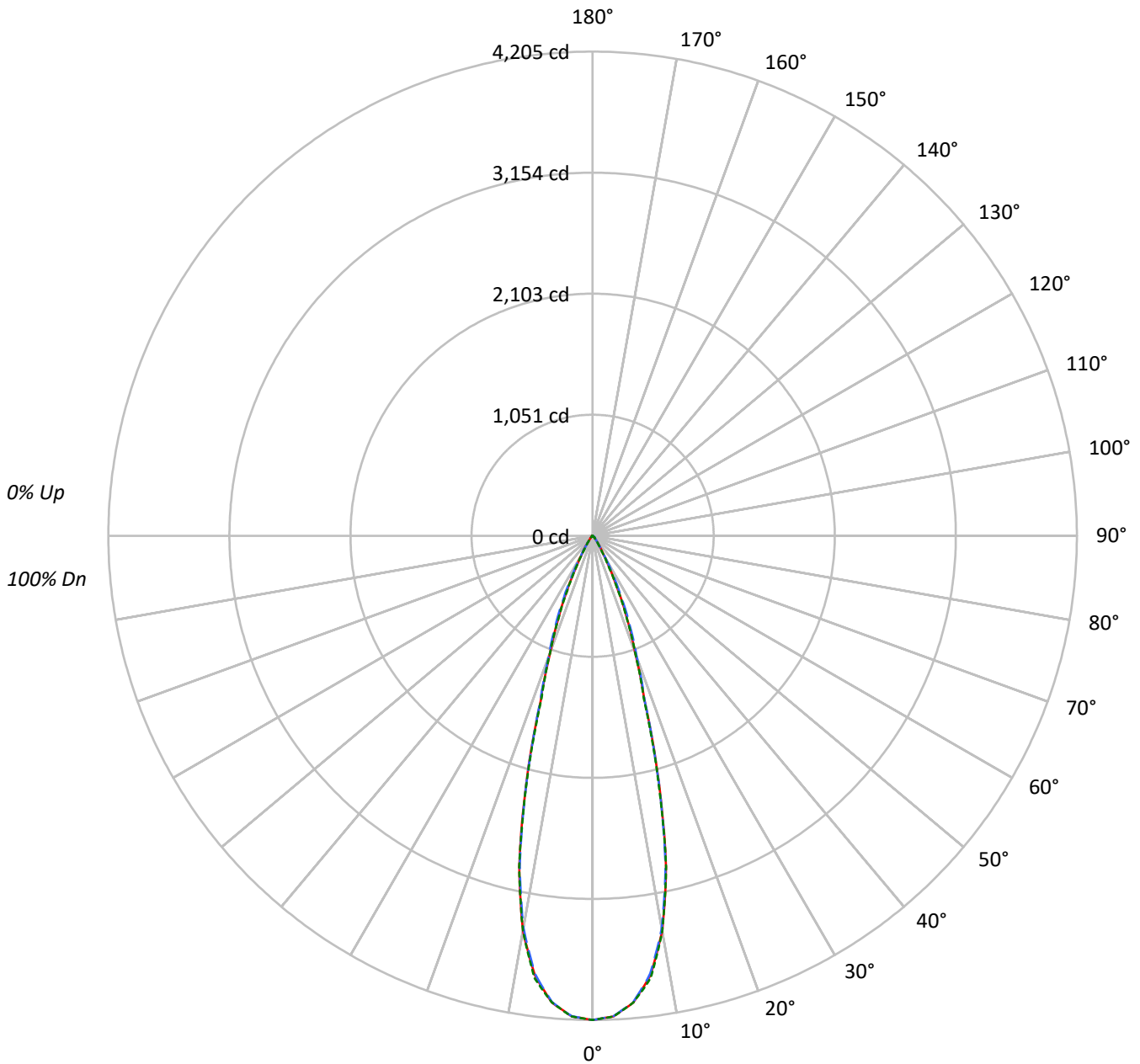


Downlight

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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																			
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°	321865	321865	321865
5°	312622	312261	312637
10°	270776	268871	270713
15°	176674	175723	174835
20°	87850	91149	87728
25°	44255	49905	43343
30°	17721	19303	15441
35°	8214	7868	6597
40°	3547	3937	3337
45°	2501	3107	2522
50°	857	2263	905
55°	494	934	520
60°	352	413	352
65°	217	217	217
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: 3107 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.8	28.3
10°-20°	595.5	45.5
20°-30°	257.3	19.7
30°-40°	58.6	4.5
40°-50°	20.1	1.5
50°-60°	4.9	0.4
60°-70°	1.3	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°	1222.6	93.5
0°-40°	1281.3	98.0
0°-60°	1306.3	99.9
0°-90°	1307.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1307.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4205	4205	4205	4205	4205	
5°	4069	4065	4064	4072	4069	370
15°	2230	2203	2218	2210	2206	597
25°	524	544	591	530	513	251
35°	88	90	84	84	71	60
45°	23	29	29	29	23	16
55°	4	4	7	4	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4205.0	4205.0	4205.0	4205.0	4205.0
2.5°	4177.1	4174.2	4175.9	4177.9	4178.8
5°	4068.7	4064.8	4064.0	4072.4	4068.9
7.5°	3850.1	3844.5	3836.0	3855.2	3873.2
10°	3483.8	3477.6	3459.3	3468.4	3483.0
12.5°	2943.2	2923.1	2922.7	2951.6	2947.7
15°	2229.5	2202.6	2217.5	2210.3	2206.3
17.5°	1499.2	1488.9	1508.7	1502.7	1476.9
20°	1078.5	1081.2	1119.0	1100.0	1077.0
22.5°	787.0	796.7	841.5	792.6	774.6
25°	524.0	543.8	590.9	530.0	513.2
27.5°	322.3	331.4	379.0	318.1	309.1
30°	200.5	195.9	218.4	187.5	174.7
32.5°	131.5	125.7	133.0	119.3	109.0
35°	87.9	89.8	84.2	83.6	70.6
37.5°	54.9	63.2	55.7	59.5	45.4
40°	35.5	45.8	39.4	43.6	33.4
42.5°	29.1	35.3	32.4	34.5	29.7
45°	23.1	28.7	28.7	28.7	23.3
47.5°	12.8	19.2	24.6	19.6	13.6
50°	7.2	9.7	19.0	10.1	7.6
52.5°	5.0	5.6	13.0	5.8	5.2
55°	3.7	3.9	7.0	4.1	3.9
57.5°	2.9	3.1	3.7	3.1	2.9
60°	2.3	2.3	2.7	2.5	2.3
62.5°	1.7	1.7	1.9	1.7	1.7
65°	1.2	1.2	1.2	1.2	1.2
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

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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