

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: P788350

Luminaire Tested: LER6D08D010-EC6DR300210IC9035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788350
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-EC6DR300210IC9035-6LBS1MW
Description: 6 INCH ROUND SHALLOW 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: 1399.6 lumens
Efficiency: N/A
Efficacy: 157.3 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

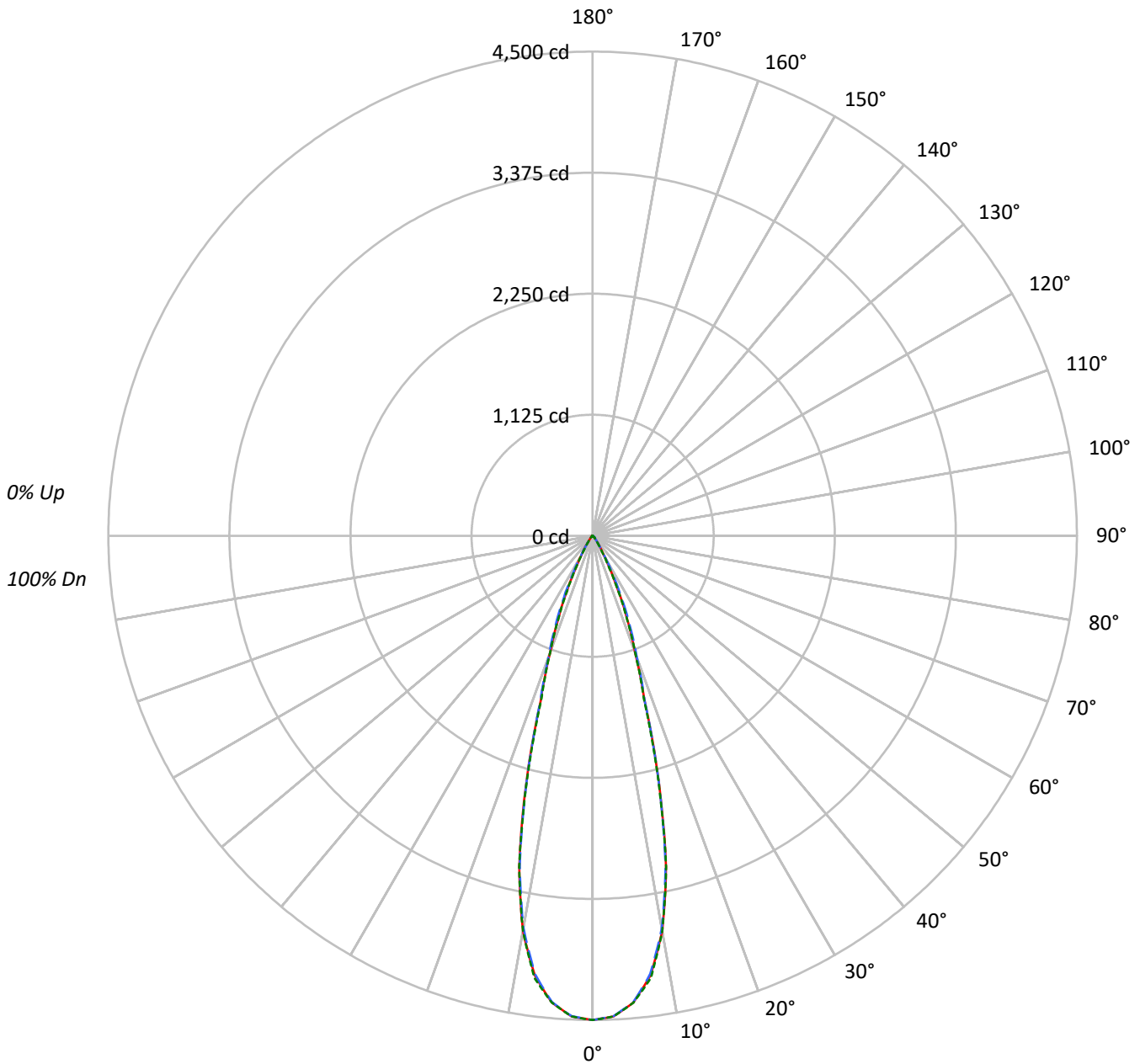
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	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°	344484	344484	344484
5°	334597	334205	334612
10°	289810	287766	289740
15°	189083	188069	187126
20°	94024	97551	93894
25°	47363	53410	46392
30°	18967	20664	16519
35°	8793	8428	7064
40°	3797	4217	3577
45°	2674	3323	2706
50°	917	2417	976
55°	534	1001	560
60°	367	444	367
65°	235	235	235
70°	157	90	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: 3323 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	395.8	28.3
10°-20°	637.4	45.5
20°-30°	275.4	19.7
30°-40°	62.8	4.5
40°-50°	21.6	1.5
50°-60°	5.3	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°	1308.5	93.5
0°-40°	1371.3	98.0
0°-60°	1398.1	99.9
0°-90°	1399.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1399.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4500	4500	4500	4500	4500	
5°	4355	4350	4350	4359	4355	396
15°	2386	2357	2373	2366	2361	639
25°	561	582	632	567	549	268
35°	94	96	90	90	76	64
45°	25	31	31	31	25	18
55°	4	4	8	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4500.5	4500.5	4500.5	4500.5	4500.5
2.5°	4470.7	4467.6	4469.4	4471.6	4472.4
5°	4354.7	4350.5	4349.6	4358.7	4354.9
7.5°	4120.7	4114.7	4105.7	4126.2	4145.4
10°	3728.7	3722.1	3702.4	3712.1	3727.8
12.5°	3150.0	3128.6	3128.1	3159.1	3154.9
15°	2386.1	2357.4	2373.3	2365.6	2361.4
17.5°	1604.6	1593.6	1614.8	1608.4	1580.7
20°	1154.3	1157.2	1197.6	1177.3	1152.7
22.5°	842.3	852.7	900.6	848.3	829.0
25°	560.8	582.0	632.4	567.2	549.3
27.5°	344.9	354.6	405.7	340.5	330.8
30°	214.6	209.7	233.8	200.6	186.9
32.5°	140.8	134.6	142.3	127.7	116.7
35°	94.1	96.1	90.2	89.5	75.6
37.5°	58.8	67.6	59.7	63.6	48.6
40°	38.0	49.1	42.2	46.6	35.8
42.5°	31.2	37.8	34.7	36.9	31.8
45°	24.7	30.7	30.7	30.7	25.0
47.5°	13.7	20.5	26.3	21.0	14.6
50°	7.7	10.4	20.3	10.8	8.2
52.5°	5.3	6.0	13.9	6.2	5.5
55°	4.0	4.2	7.5	4.4	4.2
57.5°	3.1	3.3	4.0	3.3	3.1
60°	2.4	2.4	2.9	2.7	2.4
62.5°	1.8	1.8	2.0	1.8	1.8
65°	1.3	1.3	1.3	1.3	1.3
67.5°	0.7	0.9	0.9	0.9	0.9
70°	0.7	0.4	0.4	0.4	0.7
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

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Scaled Data Report





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

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