

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: P788357

Luminaire Tested: LER6D08D010-EC6DR300210IC9040-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788357
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-EC6DR300210IC9040-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1588.9 lumens
Efficiency: N/A
Efficacy: 178.5 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

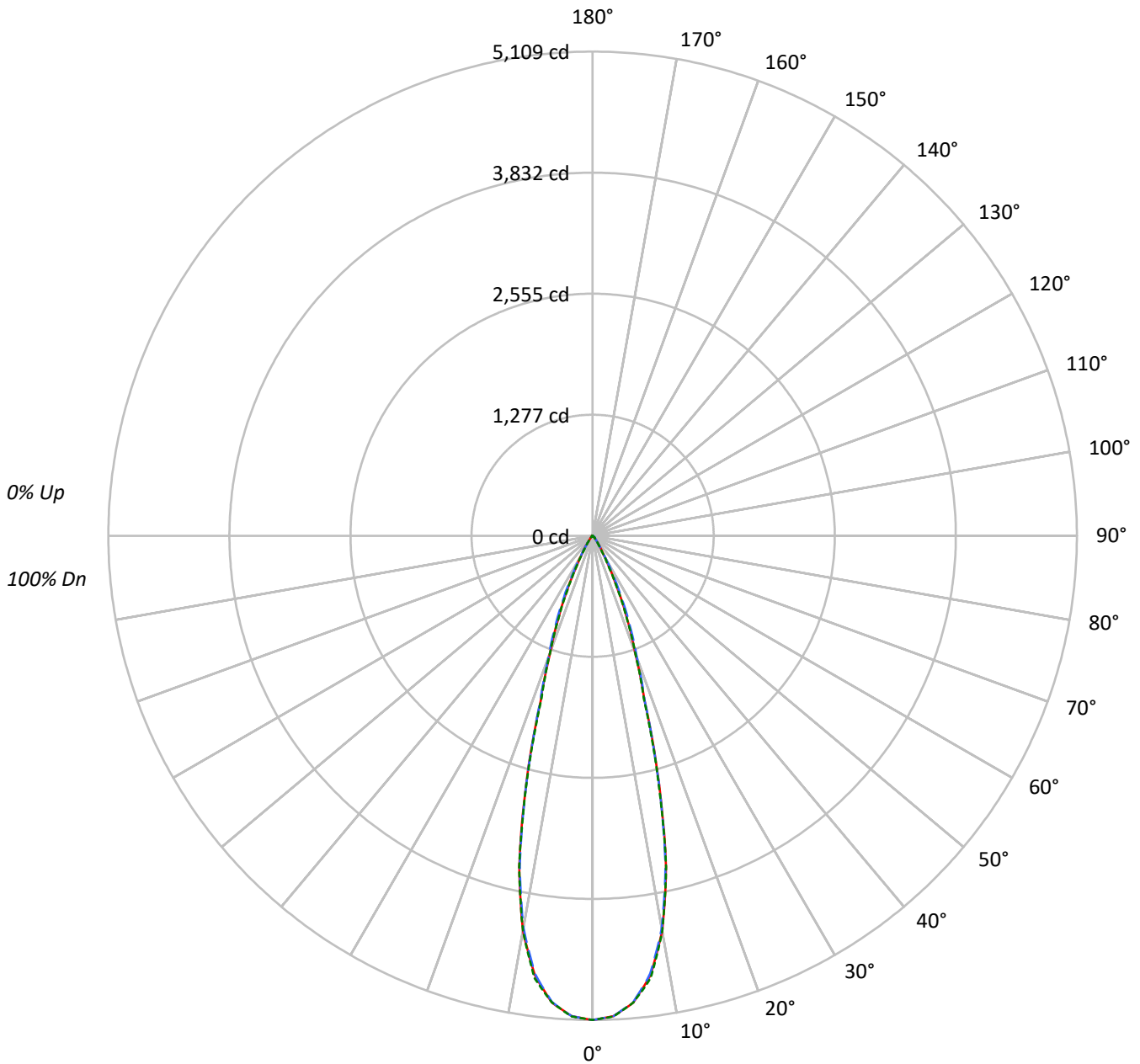
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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°	391045	391045	391045
5°	379822	379377	379838
10°	328983	326659	328906
15°	214647	213490	212420
20°	106732	110739	106593
25°	53765	60631	52667
30°	21531	23457	18755
35°	9989	9559	8017
40°	4307	4786	4057
45°	3042	3778	3063
50°	1048	2751	1107
55°	601	1134	641
60°	429	505	429
65°	272	272	272
70°	179	112	179
75°	0	89	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 3778 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.2	28.3
10°-20°	723.5	45.5
20°-30°	312.6	19.7
30°-40°	71.3	4.5
40°-50°	24.5	1.5
50°-60°	6.0	0.4
60°-70°	1.6	0.1
70°-80°	0.2	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°	1485.4	93.5
0°-40°	1556.7	98.0
0°-60°	1587.1	99.9
0°-90°	1588.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1588.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5109	5109	5109	5109	5109	
5°	4943	4938	4938	4948	4944	450
15°	2709	2676	2694	2685	2681	725
25°	637	661	718	644	624	305
35°	107	109	102	102	86	72
45°	28	35	35	35	28	20
55°	4	5	8	5	5	4
65°	2	2	2	2	2	2
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°	5108.8	5108.8	5108.8	5108.8	5108.8
2.5°	5075.0	5071.4	5073.4	5076.0	5077.0
5°	4943.3	4938.5	4937.5	4947.8	4943.5
7.5°	4677.6	4670.9	4660.6	4683.9	4705.7
10°	4232.7	4225.2	4202.8	4213.9	4231.7
12.5°	3575.8	3551.4	3550.9	3586.1	3581.3
15°	2708.7	2676.1	2694.1	2685.3	2680.6
17.5°	1821.5	1809.0	1833.0	1825.8	1794.4
20°	1310.3	1313.6	1359.5	1336.4	1308.6
22.5°	956.1	967.9	1022.4	962.9	941.1
25°	636.6	660.7	717.9	643.9	623.6
27.5°	391.5	402.6	460.5	386.5	375.5
30°	243.6	238.0	265.4	227.7	212.2
32.5°	159.8	152.8	161.5	145.0	132.4
35°	106.9	109.1	102.3	101.6	85.8
37.5°	66.7	76.8	67.7	72.2	55.2
40°	43.1	55.7	47.9	52.9	40.6
42.5°	35.4	42.9	39.4	41.9	36.1
45°	28.1	34.9	34.9	34.9	28.3
47.5°	15.6	23.3	29.8	23.8	16.6
50°	8.8	11.8	23.1	12.3	9.3
52.5°	6.0	6.8	15.8	7.0	6.3
55°	4.5	4.8	8.5	5.0	4.8
57.5°	3.5	3.8	4.5	3.8	3.5
60°	2.8	2.8	3.3	3.0	2.8
62.5°	2.0	2.0	2.3	2.0	2.0
65°	1.5	1.5	1.5	1.5	1.5
67.5°	0.8	1.0	1.0	1.0	1.0
70°	0.8	0.5	0.5	0.5	0.8
72.5°	0.5	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	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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