

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: P788214

Luminaire Tested: LER6D08D010-EC6DR150210IC9040-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P788214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LER6D08D010-EC6DR150210IC9040-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 851.8 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')
CIE Type: Direct

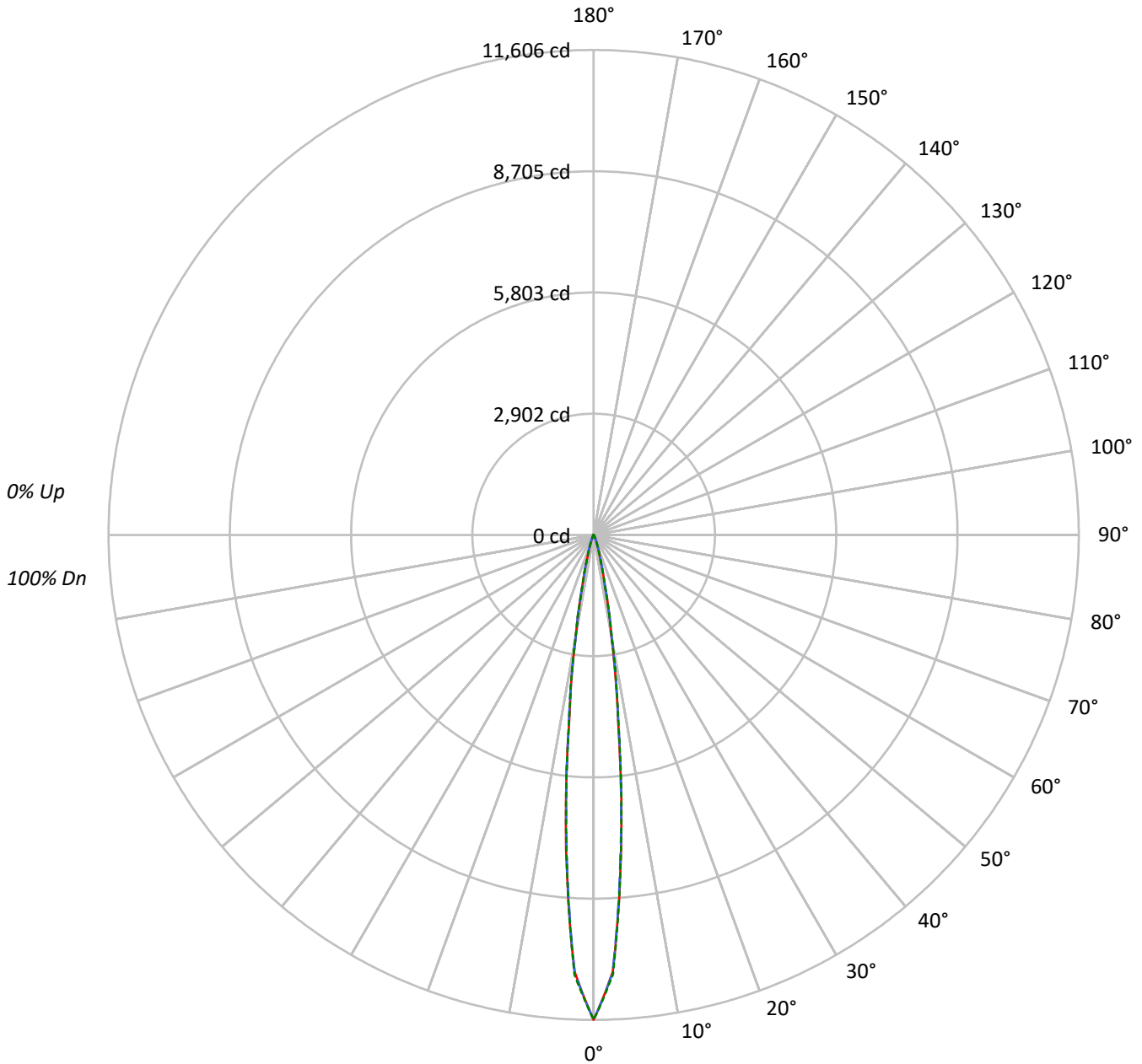
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1305862	1305862	1305862
5°	767390	757450	763436
10°	229033	230638	234165
15°	56969	58081	56283
20°	17044	19736	17404
25°	6006	7658	6084
30°	2209	2905	2246
35°	1104	1249	1068
40°	696	767	696
45°	518	553	518
50°	410	410	410
55°	341	341	341
60°	274	274	274
65°	207	207	207
70°	183	183	183
75°	113	113	151
80°	79	79	79
85°	42	42	42

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 553 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	552.4	64.9
10°-20°	227.2	26.7
20°-30°	45.1	5.3
30°-40°	11.3	1.3
40°-50°	5.9	0.7
50°-60°	4.4	0.5
60°-70°	3.1	0.4
70°-80°	1.8	0.2
80°-90°	0.5	0.1
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°	824.8	96.8
0°-40°	836.1	98.2
0°-60°	846.4	99.4
0°-90°	851.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	851.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11606	11606	11606	11606	11606	
5°	7551	7473	7453	7505	7512	551
15°	656	668	669	657	648	225
25°	77	88	98	87	78	41
35°	15	16	17	16	15	10
45°	7	7	8	7	7	6
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	11605.6	11605.6	11605.6	11605.6	11605.6
2.5°	10468.7	10477.6	10481.0	10491.3	10529.6
5°	7550.9	7473.2	7453.1	7504.7	7512.0
7.5°	4472.8	4488.6	4546.0	4558.8	4512.6
10°	2454.6	2474.7	2471.8	2489.4	2509.6
12.5°	1255.3	1239.6	1234.6	1254.8	1226.8
15°	655.9	668.2	668.7	656.9	648.0
17.5°	352.8	367.0	390.6	371.4	341.9
20°	208.3	221.1	241.2	225.5	212.7
22.5°	128.7	139.0	153.3	141.0	130.7
25°	77.1	87.5	98.3	87.0	78.1
27.5°	45.7	54.5	61.4	54.0	45.2
30°	29.5	34.4	38.8	33.9	30.0
32.5°	20.6	22.6	24.6	22.6	20.6
35°	15.2	16.2	17.2	16.2	14.7
37.5°	11.8	12.8	13.3	12.3	11.3
40°	9.8	10.3	10.8	10.3	9.8
42.5°	8.4	8.8	8.8	8.8	8.4
45°	7.4	7.4	7.9	7.4	7.4
47.5°	6.4	6.4	6.9	6.4	6.4
50°	5.9	5.9	5.9	5.9	5.9
52.5°	5.4	5.4	5.4	5.4	5.4
55°	4.9	4.9	4.9	4.9	4.9
57.5°	4.4	4.4	4.4	4.4	4.4
60°	3.9	3.9	3.9	3.9	3.9
62.5°	3.4	3.4	3.4	3.4	3.4
65°	2.9	2.9	2.9	2.9	2.9
67.5°	2.9	2.9	2.9	2.9	2.9
70°	2.5	2.5	2.5	2.5	2.5
72.5°	2.0	2.0	2.0	2.0	2.0
75°	1.5	1.5	1.5	1.5	2.0
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5
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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