

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: P786159

Luminaire Tested: LERS6D08D010-EC6DR500210IC9030-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P786159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LERS6D08D010-EC6DR500210IC9030-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 50° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1407.5 lumens
Efficiency: N/A
Efficacy: 158.1 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.73
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

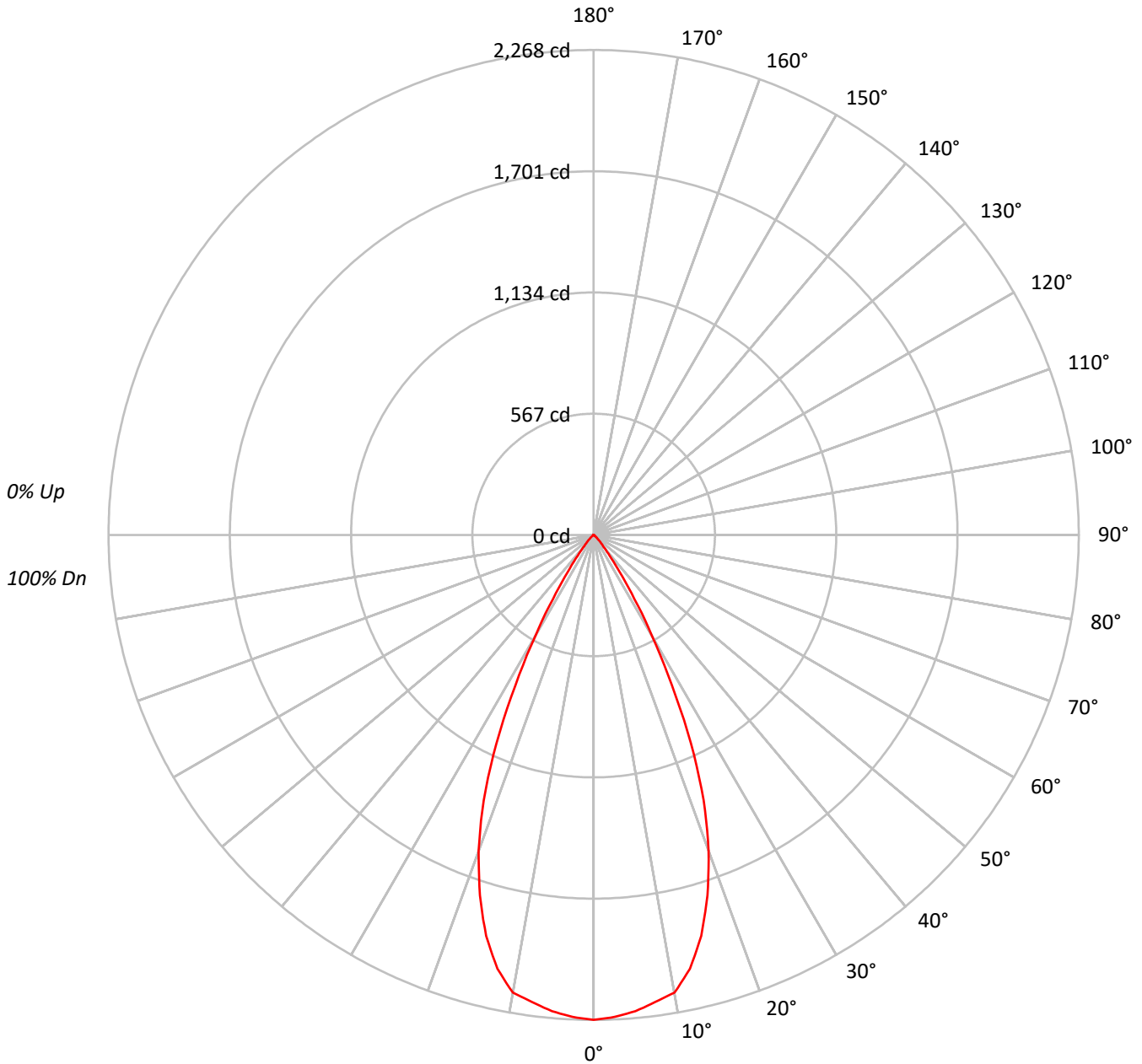
Input Watts (W): 8.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



Downlight

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									20									20								
RC	80									70									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	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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95																																				
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90																																				
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85																																				
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80																																				
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76																																				
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	74	72																																				
7	88	80	75	71	87	79	74	71	78	74	71	77	73	70	76	73	70	69																																				
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65																																				
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62																																				
10	78	70	64	61	77	69	64	61	68	64	61	68	64	61	67	63	60	59																																				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	247792
5°	245196
10°	241153
15°	219590
20°	182723
25°	129706
30°	68658
35°	27984
40°	10383
45°	4759
50°	1955
55°	1029
60°	503
65°	155
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4759 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.3	15.0
10°-20°	534.0	37.9
20°-30°	479.7	34.1
30°-40°	150.2	10.7
40°-50°	26.3	1.9
50°-60°	5.2	0.4
60°-70°	0.8	0.1
70°-80°	0.0	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°	1225.0	87.0
0°-40°	1375.2	97.7
0°-60°	1406.7	99.9
0°-90°	1407.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1407.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2268	
5°	2236	211
15°	1941	534
25°	1076	480
35°	210	150
45°	31	26
55°	5	5
65°	1	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2267.9
2.5°	2256.6
5°	2235.6
7.5°	2203.4
10°	2173.6
12.5°	2078.0
15°	1941.3
17.5°	1767.7
20°	1571.5
22.5°	1344.6
25°	1075.9
27.5°	791.0
30°	544.2
32.5°	354.3
35°	209.8
37.5°	120.5
40°	72.8
42.5°	47.4
45°	30.8
47.5°	18.7
50°	11.5
52.5°	7.8
55°	5.4
57.5°	3.6
60°	2.3
62.5°	1.3
65°	0.6
67.5°	0.2
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)