

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: P788558

Luminaire Tested: LER6D08D010-EC6DR500210IC9050-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788558  
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: LER6D08D010-EC6DR500210IC9050-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 50° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1509.0 lumens  
Efficiency: N/A  
Efficacy: 169.5 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

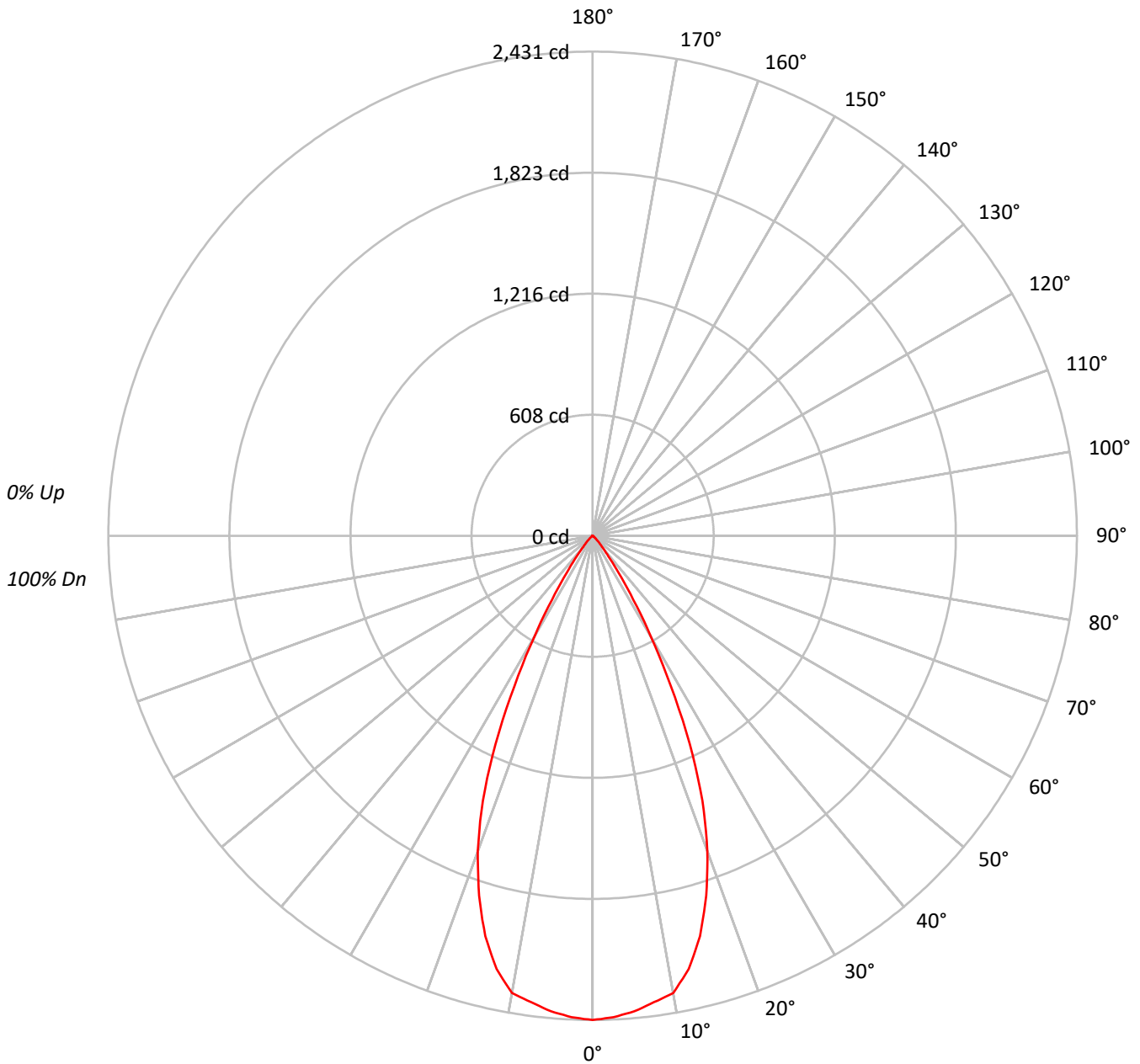
Input Watts (W): 8.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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									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	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°	265646
5°	262866
10°	258538
15°	235415
20°	195897
25°	139061
30°	73604
35°	29998
40°	11139
45°	5099
50°	2091
55°	1086
60°	546
65°	155
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 5099 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	226.5	15.0
10°-20°	572.5	37.9
20°-30°	514.3	34.1
30°-40°	161.0	10.7
40°-50°	28.2	1.9
50°-60°	5.6	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°	1313.3	87.0
0°-40°	1474.3	97.7
0°-60°	1508.1	99.9
0°-90°	1509.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1509.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2431	
5°	2397	227
15°	2081	573
25°	1154	514
35°	225	161
45°	33	28
55°	6	6
65°	1	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	2431.3
2.5°	2419.2
5°	2396.7
7.5°	2362.3
10°	2330.3
12.5°	2227.8
15°	2081.2
17.5°	1895.1
20°	1684.8
22.5°	1441.5
25°	1153.5
27.5°	848.0
30°	583.4
32.5°	379.8
35°	224.9
37.5°	129.1
40°	78.1
42.5°	50.8
45°	33.0
47.5°	20.1
50°	12.3
52.5°	8.4
55°	5.7
57.5°	3.9
60°	2.5
62.5°	1.4
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

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)