

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: P788746

Luminaire Tested: LER6D08D010-EC6DR700210IC9050-6LBDP1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788746  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D08D010-EC6DR700210IC9050-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1146.9 lumens  
Efficiency: N/A  
Efficacy: 128.9 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

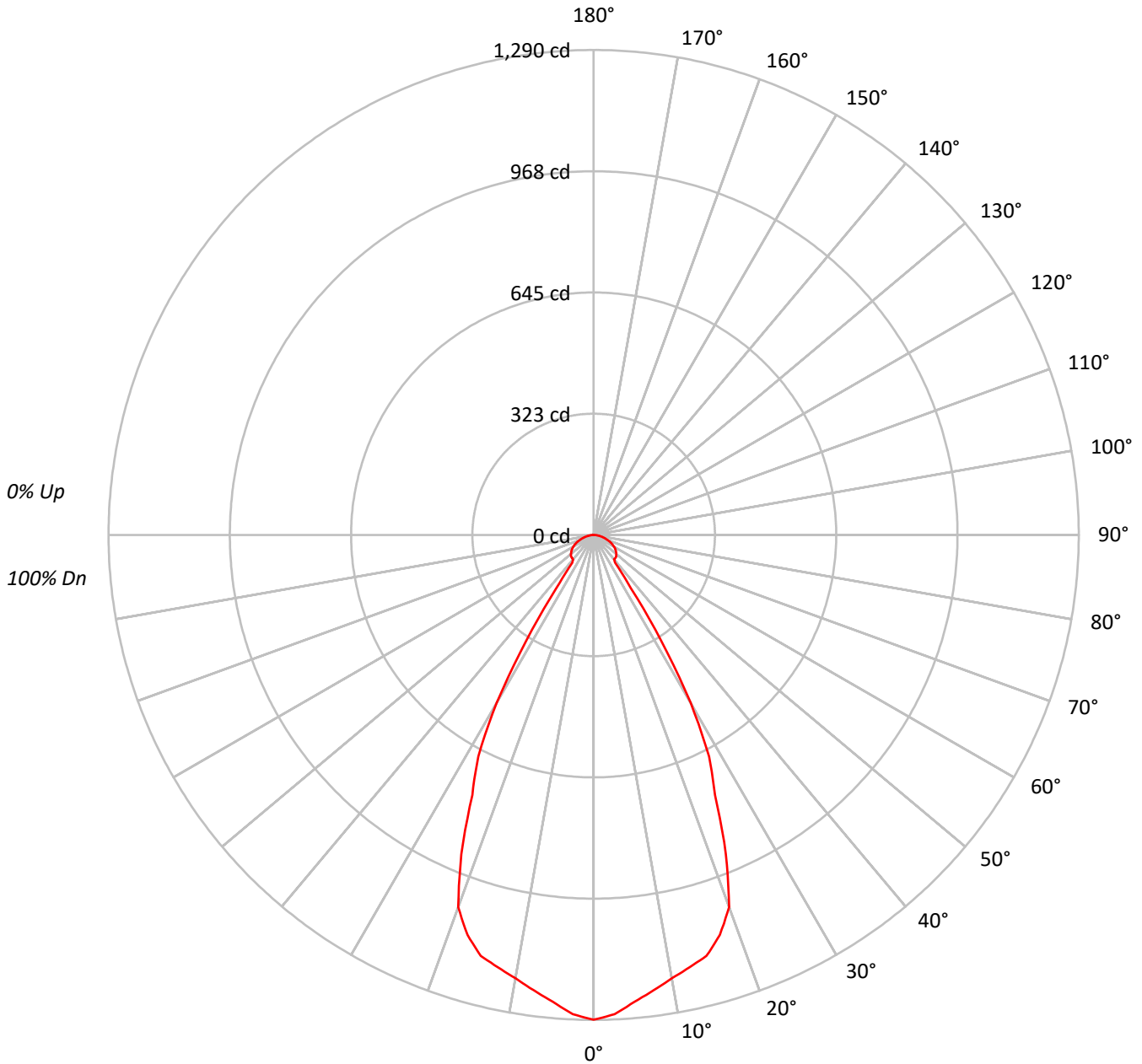
Input Watts (W): 8.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



Downlight

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20					20					20					20					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	0		
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91					91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83					83			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76					76			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70					70			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65					65			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61					61			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57					57			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53					53			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50					50			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48					48			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	140892
5°	136703
10°	132891
15°	131146
20°	122470
25°	92008
30°	65037
35°	23035
40°	12109
45°	12902
50°	13360
55°	13620
60°	13701
65°	13418
70°	12651
75°	11736
80°	10382
85°	8399

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 13706 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.6	10.3
10°-20°	322.5	28.1
20°-30°	355.2	31.0
30°-40°	135.7	11.8
40°-50°	64.1	5.6
50°-60°	63.7	5.6
60°-70°	51.0	4.4
70°-80°	29.3	2.6
80°-90°	8.0	0.7
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°	795.2	69.3
0°-40°	930.9	81.2
0°-60°	1058.7	92.3
0°-90°	1146.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1146.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1290	
5°	1246	118
15°	1159	322
25°	763	355
35°	173	136
45°	84	64
55°	72	64
65°	52	51
75°	28	29
85°	7	8
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1289.5
2.5°	1276.0
5°	1246.4
7.5°	1221.7
10°	1197.8
12.5°	1177.6
15°	1159.4
17.5°	1115.5
20°	1053.3
22.5°	918.9
25°	763.2
27.5°	664.3
30°	515.5
32.5°	333.0
35°	172.7
37.5°	93.3
40°	84.9
42.5°	84.3
45°	83.5
47.5°	81.7
50°	78.6
52.5°	75.1
55°	71.5
57.5°	67.4
60°	62.7
62.5°	57.4
65°	51.9
67.5°	45.7
70°	39.6
72.5°	33.5
75°	27.8
77.5°	21.8
80°	16.5
82.5°	11.6
85°	6.7
87.5°	2.7
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)