

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: P759753

Luminaire Tested: LD6D08D010-EU6DR650210IC9040-6LBS1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P759753  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-147)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D08D010-EU6DR650210IC9040-6LBS1H  
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 777.9 lumens  
Efficiency: N/A  
Efficacy: 87.4 lumens/watt  
Spacing Criteria (0/90/45): 0.95 / 0.95 / 0.96  
Luminous Opening: Circular (Dia: 0.48' 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

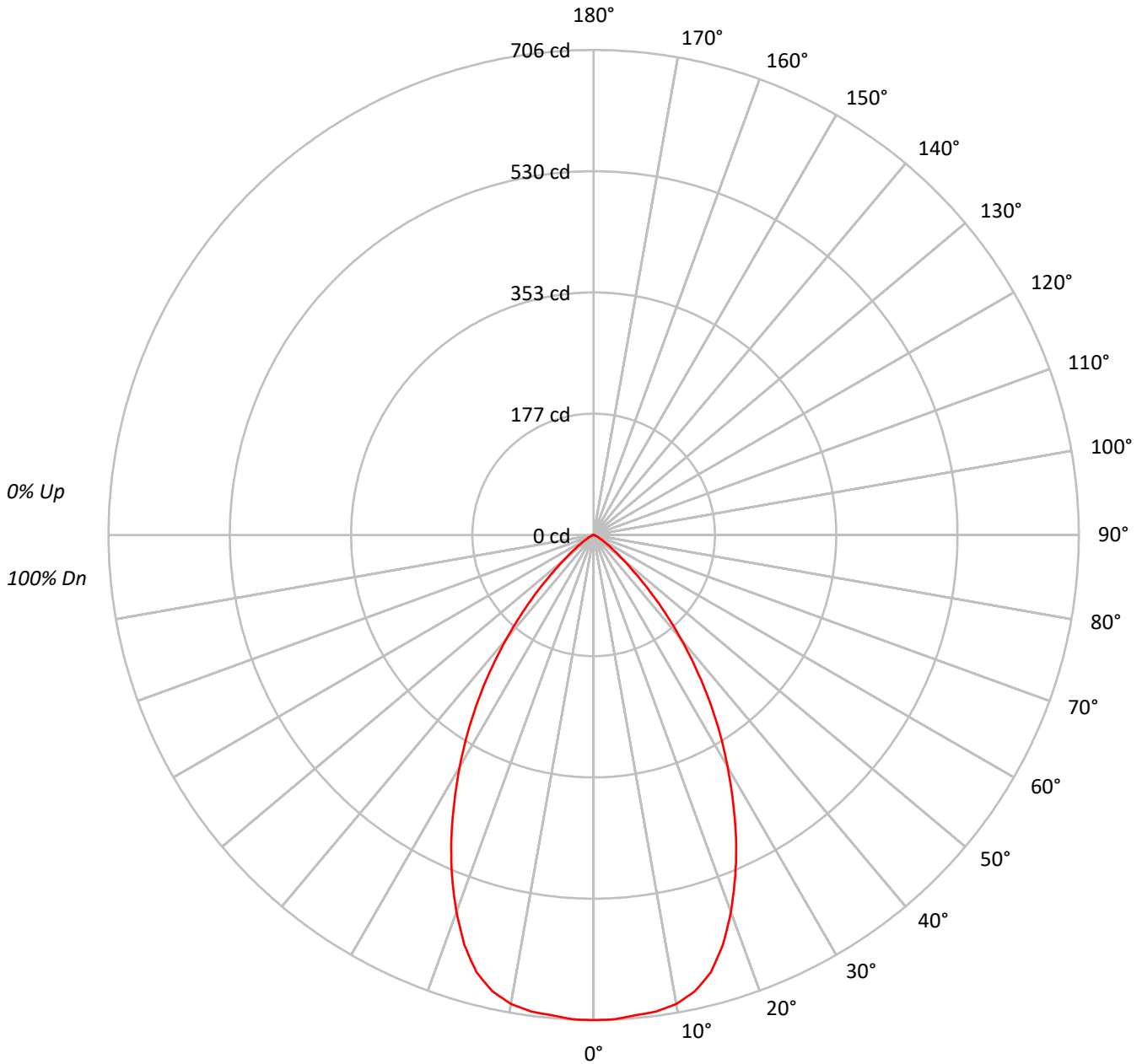


Downlight



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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									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				100															
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93				93															
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85				85															
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78				78															
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72				72															
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66				66															
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61				61															
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56				56															
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52				52															
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49				49															
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46				46															

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

	0°
0°	41251
5°	41150
10°	41116
15°	39846
20°	36278
25°	31615
30°	26288
35°	20833
40°	15035
45°	9498
50°	4952
55°	2627
60°	1390
65°	760
70°	324
75°	338
80°	235
85°	201

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 9498 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.8	8.6
10°-20°	182.9	23.5
20°-30°	223.6	28.7
30°-40°	181.4	23.3
40°-50°	90.4	11.6
50°-60°	25.2	3.2
60°-70°	5.7	0.7
70°-80°	1.5	0.2
80°-90°	0.4	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°	473.3	60.8
0°-40°	654.7	84.2
0°-60°	770.3	99.0
0°-90°	777.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	777.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	706	
5°	702	67
15°	659	183
25°	491	224
35°	292	181
45°	115	90
55°	26	25
65°	6	6
75°	2	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	706.3
2.5°	705.8
5°	701.9
7.5°	699.6
10°	693.3
12.5°	680.4
15°	659.0
17.5°	625.6
20°	583.7
22.5°	538.4
25°	490.6
27.5°	439.4
30°	389.8
32.5°	341.0
35°	292.2
37.5°	243.5
40°	197.2
42.5°	153.8
45°	115.0
47.5°	80.2
50°	54.5
52.5°	37.6
55°	25.8
57.5°	17.4
60°	11.9
62.5°	8.2
65°	5.5
67.5°	2.8
70°	1.9
72.5°	1.8
75°	1.5
77.5°	1.0
80°	0.7
82.5°	0.5
85°	0.3
87.5°	0.2
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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Scaled Data Report



(END OF REPORT)