

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: P788043

Luminaire Tested: LER6D05D010-EC6DR650210IC9027-6LBS1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788043  
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: LER6D05D010-EC6DR650210IC9027-6LBS1B  
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 65° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 956.6 lumens  
Efficiency: N/A  
Efficacy: 127.5 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): 7.5  
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

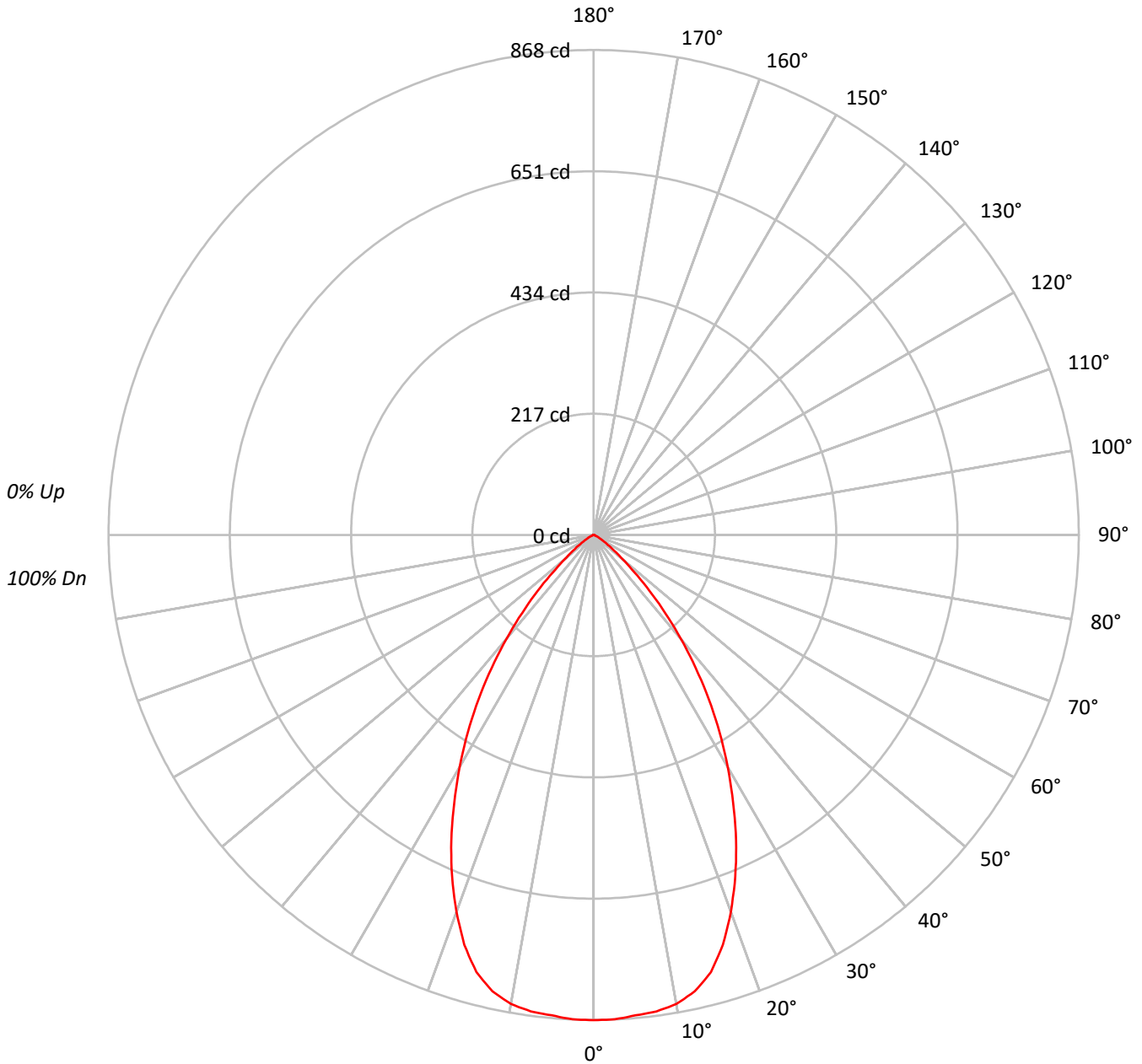


Downlight

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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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	93	93	93	93
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	80	78	78	78	78
4	95	87	81	76	93	86	80	76	84	79	75	82	77	74	80	76	73	72	72	72	72
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	75	71	68	66	66	66	66
6	85	75	69	64	83	74	68	64	73	67	63	71	67	63	70	66	62	61	61	61	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56	56	56	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52	52	52	52
9	72	61	55	51	71	61	55	51	60	54	51	59	54	50	58	54	50	49	49	49	49
10	68	58	52	47	67	57	51	47	57	51	47	56	51	47	55	50	47	46	46	46	46

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

	0°
0°	50724
5°	50601
10°	50557
15°	48994
20°	44607
25°	38871
30°	32330
35°	25617
40°	18488
45°	11679
50°	6088
55°	3238
60°	1705
65°	940
70°	393
75°	429
80°	303
85°	268

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 11679 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.1	8.6
10°-20°	224.9	23.5
20°-30°	274.9	28.7
30°-40°	223.1	23.3
40°-50°	111.2	11.6
50°-60°	31.0	3.2
60°-70°	7.1	0.7
70°-80°	1.8	0.2
80°-90°	0.5	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°	582.0	60.8
0°-40°	805.1	84.2
0°-60°	947.2	99.0
0°-90°	956.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	956.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	868	
5°	863	82
15°	810	225
25°	603	275
35°	359	223
45°	141	111
55°	32	31
65°	7	7
75°	2	2
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	868.5
2.5°	867.9
5°	863.1
7.5°	860.2
10°	852.5
12.5°	836.6
15°	810.3
17.5°	769.2
20°	717.7
22.5°	662.0
25°	603.2
27.5°	540.3
30°	479.4
32.5°	419.3
35°	359.3
37.5°	299.4
40°	242.5
42.5°	189.2
45°	141.4
47.5°	98.5
50°	67.0
52.5°	46.2
55°	31.8
57.5°	21.4
60°	14.6
62.5°	10.1
65°	6.8
67.5°	3.4
70°	2.3
72.5°	2.2
75°	1.9
77.5°	1.3
80°	0.9
82.5°	0.6
85°	0.4
87.5°	0.3
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)