

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: P787344

Luminaire Tested: LER6D02D010-EC6DR550210IC9040-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P787344  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-52)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D02D010-EC6DR550210IC9040-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 55° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 701.8 lumens  
Efficiency: N/A  
Efficacy: 137.6 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.89 / 0.87  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
CIE Type: Direct

Input Watts (W): 5.1  
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

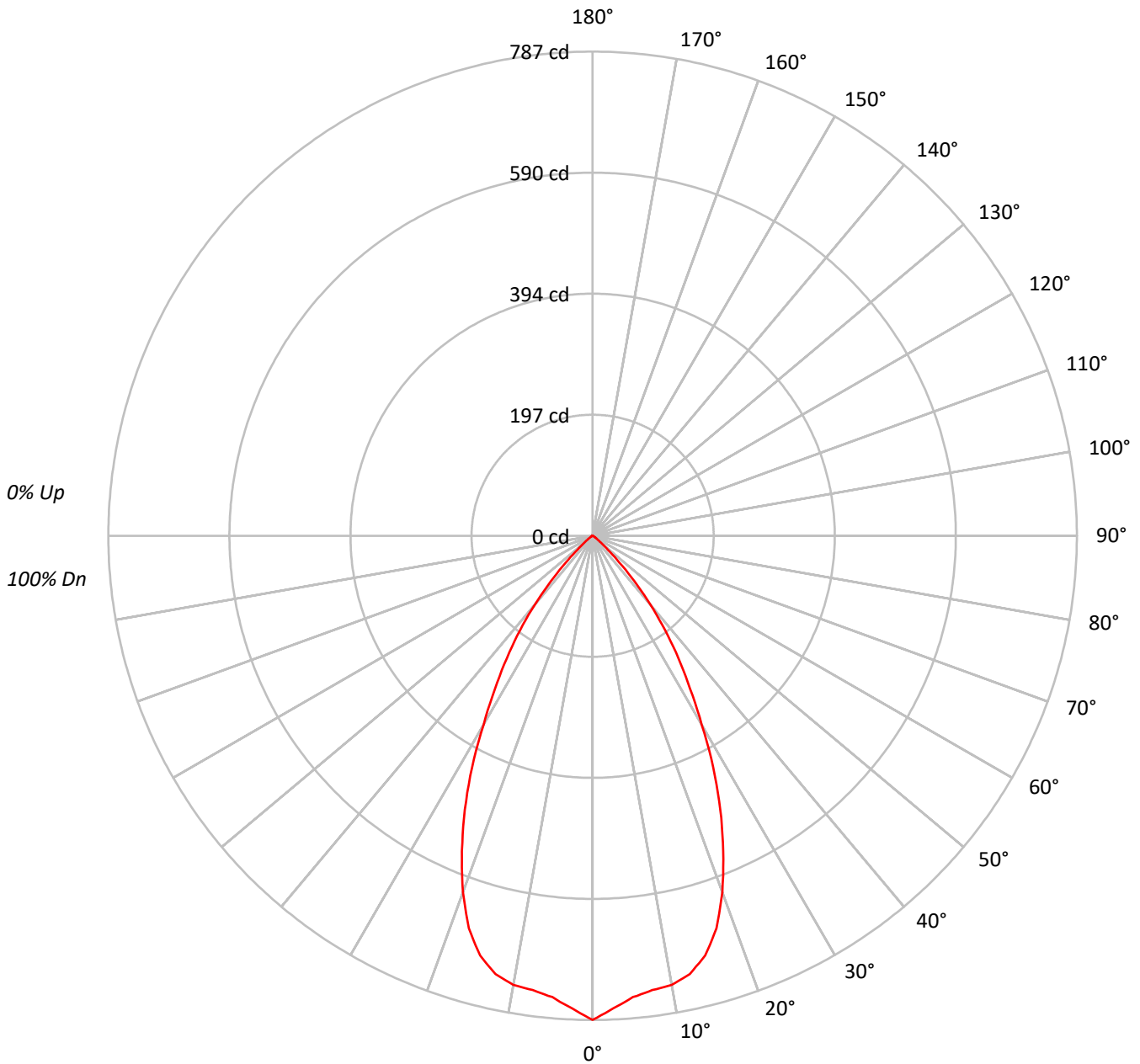


Downlight

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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		
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	
1	114	111	108	106	111	109	106	104	105	103	101	101	99	98	97	96	95	94	
2	108	103	99	96	106	101	98	95	98	95	92	95	93	90	92	90	89	87	
3	102	96	91	87	100	95	90	86	92	88	85	90	86	84	87	85	82	81	
4	97	90	84	80	95	88	83	79	86	82	78	84	81	78	82	79	77	75	
5	92	84	78	74	91	83	77	73	81	76	73	79	75	72	78	74	71	70	
6	88	79	73	68	86	78	72	68	76	71	68	75	70	67	74	70	67	65	
7	83	74	68	64	82	73	67	63	72	67	63	71	66	63	70	65	62	61	
8	79	69	63	59	78	69	63	59	68	63	59	67	62	59	66	62	58	57	
9	75	66	60	56	74	65	59	55	64	59	55	63	58	55	62	58	55	54	
10	72	62	56	52	71	61	56	52	61	56	52	60	55	52	59	55	52	50	

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

	0°
0°	85977
5°	82566
10°	82256
15°	79893
20°	71636
25°	59205
30°	44725
35°	32425
40°	20753
45°	9472
50°	3094
55°	1333
60°	568
65°	78
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 9472 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.6	10.2
10°-20°	195.5	27.9
20°-30°	222.8	31.7
30°-40°	151.7	21.6
40°-50°	52.3	7.4
50°-60°	7.2	1.0
60°-70°	0.7	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°	489.9	69.8
0°-40°	641.6	91.4
0°-60°	701.1	99.9
0°-90°	701.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	701.8	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	787	
5°	753	72
15°	706	195
25°	491	223
35°	243	152
45°	61	52
55°	7	7
65°	0	1
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	786.9
2.5°	768.9
5°	752.8
7.5°	744.9
10°	741.4
12.5°	729.7
15°	706.3
17.5°	669.1
20°	616.1
22.5°	554.9
25°	491.1
27.5°	424.7
30°	354.5
32.5°	295.0
35°	243.1
37.5°	193.8
40°	145.5
42.5°	100.8
45°	61.3
47.5°	33.1
50°	18.2
52.5°	10.8
55°	7.0
57.5°	4.5
60°	2.6
62.5°	1.2
65°	0.3
67.5°	0.1
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)