

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: P787240

Luminaire Tested: LER6D02D010-EC6DR450210IC9035-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P787240  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-36)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D02D010-EC6DR450210IC9035-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 45° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 684.0 lumens  
Efficiency: N/A  
Efficacy: 134.1 lumens/watt  
Spacing Criteria (0/90/45): 0.75 / 0.75 / 0.69  
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

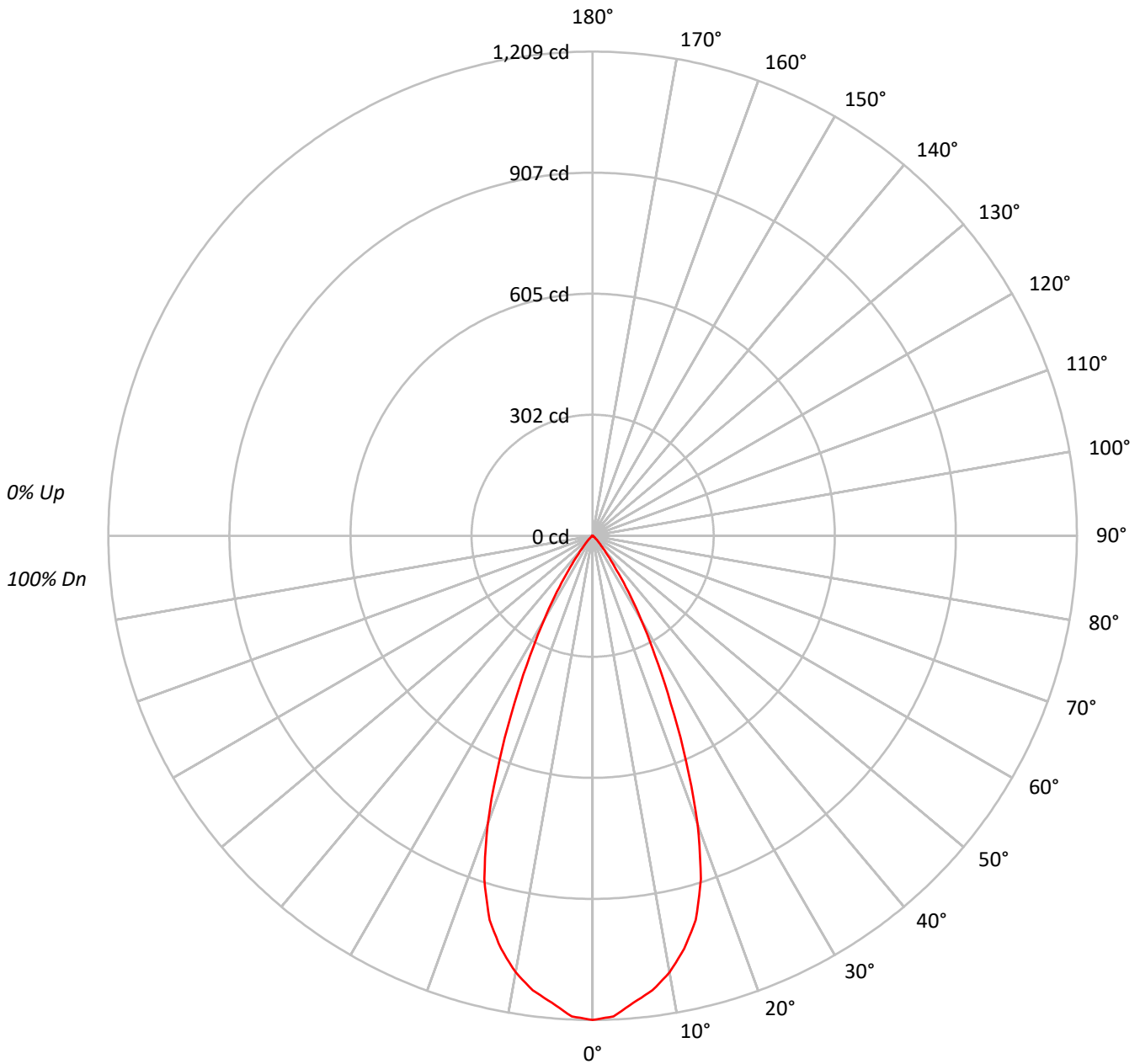


Downlight

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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									20									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	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	110	108	112	110	108	106	106	104	103	102	101	100	98	98	97	95																												
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90																												
3	105	99	95	91	103	98	94	91	95	92	89	93	90	88	91	89	87	85																												
4	100	94	89	85	99	93	88	85	91	87	84	89	86	83	87	84	82	81																												
5	96	89	84	80	95	88	83	80	86	82	79	85	81	79	83	80	78	77																												
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73																												
7	89	81	75	72	87	80	75	72	79	74	71	78	74	71	77	73	71	69																												
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	66																												
9	82	73	68	65	81	73	68	65	72	68	65	71	67	64	71	67	64	63																												
10	79	70	65	62	78	70	65	62	69	65	62	68	64	61	68	64	61	60																												

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

	0°
0°	132096
5°	128334
10°	122784
15°	112368
20°	89146
25°	55661
30°	30670
35°	13778
40°	5420
45°	2550
50°	1207
55°	629
60°	306
65°	78
70°	32
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2550 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.9	16.1
10°-20°	270.6	39.6
20°-30°	214.3	31.3
30°-40°	71.4	10.4
40°-50°	14.2	2.1
50°-60°	3.2	0.5
60°-70°	0.5	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°	594.8	87.0
0°-40°	666.1	97.4
0°-60°	683.5	99.9
0°-90°	684.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	684.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1209	
5°	1170	110
15°	993	271
25°	462	214
35°	103	71
45°	16	14
55°	3	3
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1209.0
2.5°	1201.1
5°	1170.1
7.5°	1144.5
10°	1106.7
12.5°	1056.3
15°	993.4
17.5°	898.9
20°	766.7
22.5°	609.2
25°	461.7
27.5°	338.0
30°	243.1
32.5°	165.4
35°	103.3
37.5°	61.2
40°	38.0
42.5°	25.0
45°	16.5
47.5°	10.7
50°	7.1
52.5°	4.8
55°	3.3
57.5°	2.2
60°	1.4
62.5°	0.8
65°	0.3
67.5°	0.1
70°	0.1
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)