

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: P788801

Luminaire Tested: LER6D10D010-EC6DR150210IC9024-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788801  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D10D010-EC6DR150210IC9024-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 961.6 lumens  
Efficiency: N/A  
Efficacy: 82.2 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
CIE Type: Direct

Input Watts (W): 11.7  
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

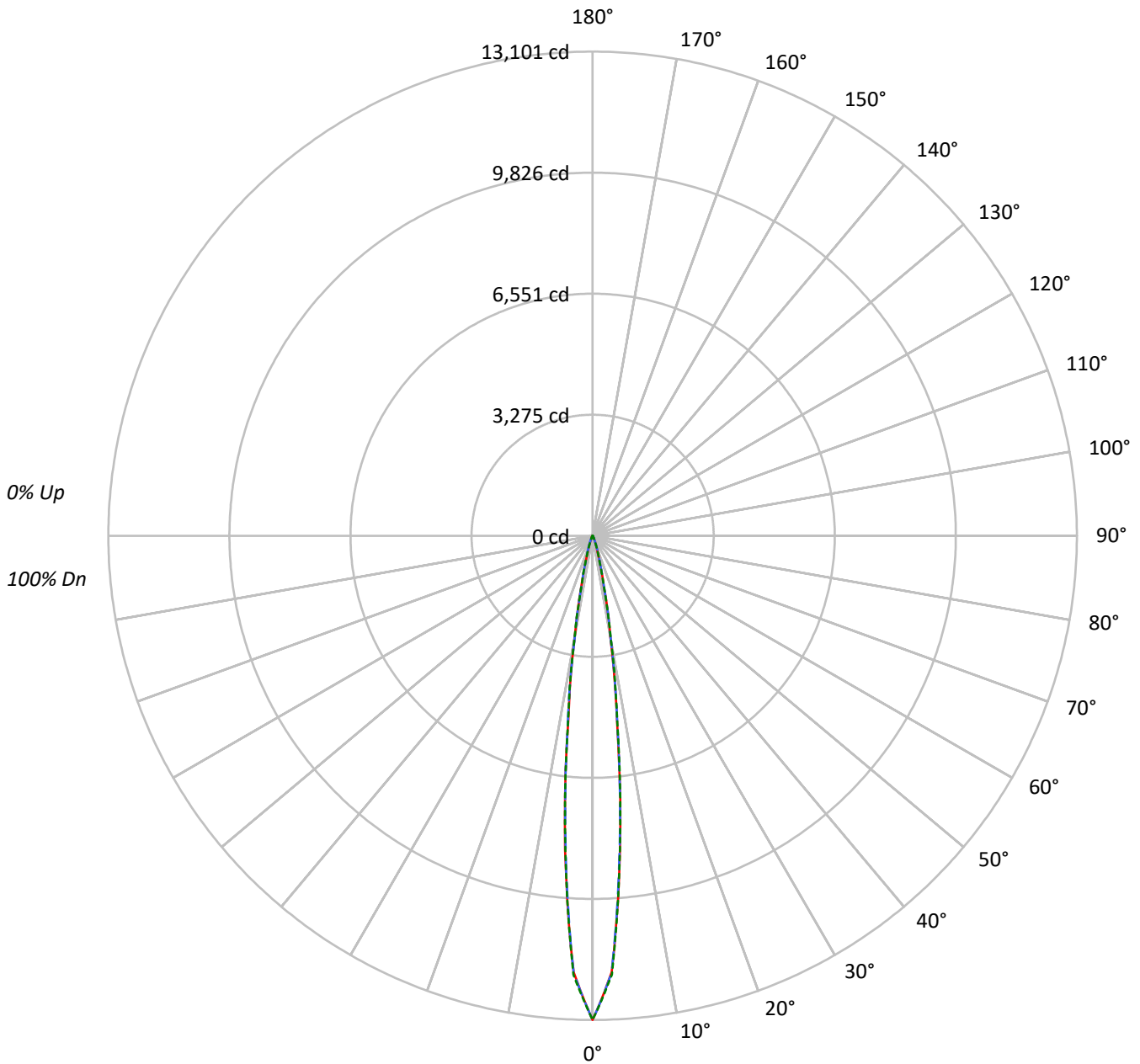


Downlight

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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	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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

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

	0°	45°	90°
0°	1474135	1474135	1474135
5°	866275	855055	861813
10°	258537	260356	264340
15°	64309	65560	63536
20°	19245	22280	19646
25°	6785	8639	6871
30°	2494	3280	2531
35°	1249	1409	1205
40°	788	866	788
45°	581	623	581
50°	466	466	466
55°	383	383	383
60°	309	309	309
65°	236	236	236
70°	205	205	205
75°	128	128	166
80°	87	87	87
85°	50	50	50

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 623 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	623.6	64.9
10°-20°	256.5	26.7
20°-30°	51.0	5.3
30°-40°	12.7	1.3
40°-50°	6.7	0.7
50°-60°	4.9	0.5
60°-70°	3.5	0.4
70°-80°	2.0	0.2
80°-90°	0.6	0.1
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°	931.1	96.8
0°-40°	943.8	98.2
0°-60°	955.5	99.4
0°-90°	961.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	961.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	13101	13101	13101	13101	13101	
5°	8524	8436	8414	8472	8480	622
15°	740	754	755	742	732	254
25°	87	99	111	98	88	46
35°	17	18	19	18	17	12
45°	8	8	9	8	8	6
55°	6	6	6	6	6	5
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	13101.1	13101.1	13101.1	13101.1	13101.1
2.5°	11817.7	11827.7	11831.6	11843.2	11886.5
5°	8523.9	8436.2	8413.5	8471.7	8480.0
7.5°	5049.2	5066.9	5131.8	5146.3	5094.1
10°	2770.8	2793.6	2790.3	2810.2	2833.0
12.5°	1417.0	1399.3	1393.7	1416.5	1384.9
15°	740.4	754.3	754.8	741.5	731.5
17.5°	398.2	414.3	440.9	419.3	386.0
20°	235.2	249.6	272.3	254.6	240.1
22.5°	145.3	157.0	173.0	159.2	147.5
25°	87.1	98.7	110.9	98.2	88.2
27.5°	51.6	61.6	69.3	61.0	51.0
30°	33.3	38.8	43.8	38.3	33.8
32.5°	23.3	25.5	27.7	25.5	23.3
35°	17.2	18.3	19.4	18.3	16.6
37.5°	13.3	14.4	15.0	13.9	12.8
40°	11.1	11.6	12.2	11.6	11.1
42.5°	9.4	10.0	10.0	10.0	9.4
45°	8.3	8.3	8.9	8.3	8.3
47.5°	7.2	7.2	7.8	7.2	7.2
50°	6.7	6.7	6.7	6.7	6.7
52.5°	6.1	6.1	6.1	6.1	6.1
55°	5.5	5.5	5.5	5.5	5.5
57.5°	5.0	5.0	5.0	5.0	5.0
60°	4.4	4.4	4.4	4.4	4.4
62.5°	3.9	3.9	3.9	3.9	3.9
65°	3.3	3.3	3.3	3.3	3.3
67.5°	3.3	3.3	3.3	3.3	3.3
70°	2.8	2.8	2.8	2.8	2.8
72.5°	2.2	2.2	2.2	2.2	2.2
75°	1.7	1.7	1.7	1.7	2.2
77.5°	1.7	1.7	1.7	1.7	1.7
80°	1.1	1.1	1.1	1.1	1.1
82.5°	1.1	1.1	1.1	1.1	1.1
85°	0.6	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

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