

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: P788817

Luminaire Tested: LER6D10D010-EC6DR150210IC9030-6LBDP1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P788817  
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-EC6DR150210IC9030-6LBDP1LI  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1102.1 lumens  
Efficiency: N/A  
Efficacy: 94.2 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

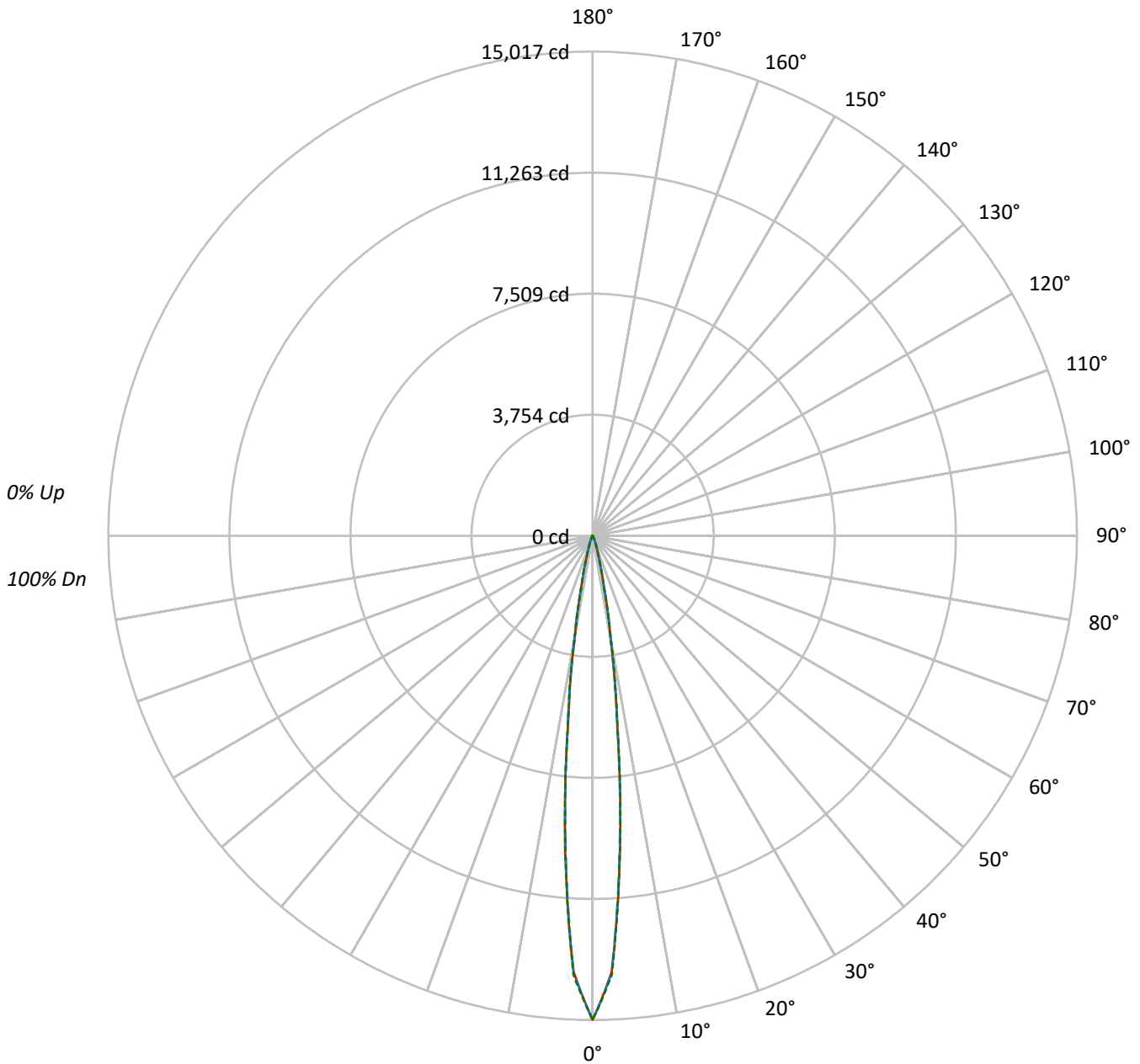


Downlight

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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°	1689678	1689678	1689678
5°	992935	980079	987833
10°	296345	298426	302988
15°	73715	75149	72829
20°	22051	25537	22526
25°	7774	9901	7876
30°	2853	3759	2905
35°	1431	1612	1387
40°	902	994	902
45°	665	714	665
50°	528	528	528
55°	445	445	445
60°	358	358	358
65°	271	271	271
70°	234	234	234
75°	144	144	189
80°	102	102	102
85°	50	50	50

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 714 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	714.8	64.9
10°-20°	294.0	26.7
20°-30°	58.4	5.3
30°-40°	14.6	1.3
40°-50°	7.7	0.7
50°-60°	5.7	0.5
60°-70°	4.0	0.4
70°-80°	2.3	0.2
80°-90°	0.7	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°	1067.3	96.8
0°-40°	1081.8	98.2
0°-60°	1095.2	99.4
0°-90°	1102.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1102.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	15017	15017	15017	15017	15017	
5°	9770	9670	9644	9710	9720	713
15°	849	865	865	850	838	291
25°	100	113	127	112	101	52
35°	20	21	22	21	19	13
45°	10	10	10	10	10	7
55°	6	6	6	6	6	6
65°	4	4	4	4	4	4
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°	15016.7	15016.7	15016.7	15016.7	15016.7
2.5°	13545.7	13557.1	13561.6	13574.9	13624.5
5°	9770.2	9669.8	9643.7	9710.5	9720.0
7.5°	5787.5	5807.8	5882.2	5898.7	5839.0
10°	3176.0	3202.1	3198.3	3221.1	3247.2
12.5°	1624.2	1603.9	1597.5	1623.6	1587.4
15°	848.7	864.6	865.2	849.9	838.5
17.5°	456.4	474.9	505.4	480.6	442.5
20°	269.5	286.1	312.1	291.8	275.3
22.5°	166.6	179.9	198.3	182.4	169.1
25°	99.8	113.2	127.1	112.5	101.1
27.5°	59.1	70.6	79.5	69.9	58.5
30°	38.1	44.5	50.2	43.9	38.8
32.5°	26.7	29.2	31.8	29.2	26.7
35°	19.7	21.0	22.2	21.0	19.1
37.5°	15.3	16.5	17.2	15.9	14.6
40°	12.7	13.3	14.0	13.3	12.7
42.5°	10.8	11.4	11.4	11.4	10.8
45°	9.5	9.5	10.2	9.5	9.5
47.5°	8.3	8.3	8.9	8.3	8.3
50°	7.6	7.6	7.6	7.6	7.6
52.5°	7.0	7.0	7.0	7.0	7.0
55°	6.4	6.4	6.4	6.4	6.4
57.5°	5.7	5.7	5.7	5.7	5.7
60°	5.1	5.1	5.1	5.1	5.1
62.5°	4.4	4.4	4.4	4.4	4.4
65°	3.8	3.8	3.8	3.8	3.8
67.5°	3.8	3.8	3.8	3.8	3.8
70°	3.2	3.2	3.2	3.2	3.2
72.5°	2.5	2.5	2.5	2.5	2.5
75°	1.9	1.9	1.9	1.9	2.5
77.5°	1.9	1.9	1.9	1.9	1.9
80°	1.3	1.3	1.3	1.3	1.3
82.5°	1.3	1.3	1.3	1.3	1.3
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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(END OF REPORT)