

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: P789464

Luminaire Tested: LER6D15D010-EC6DR1515309050-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P789464  
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: LER6D15D010-EC6DR1515309050-6LBDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1464.6 lumens  
Efficiency: N/A  
Efficacy: 92.7 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): 15.8  
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

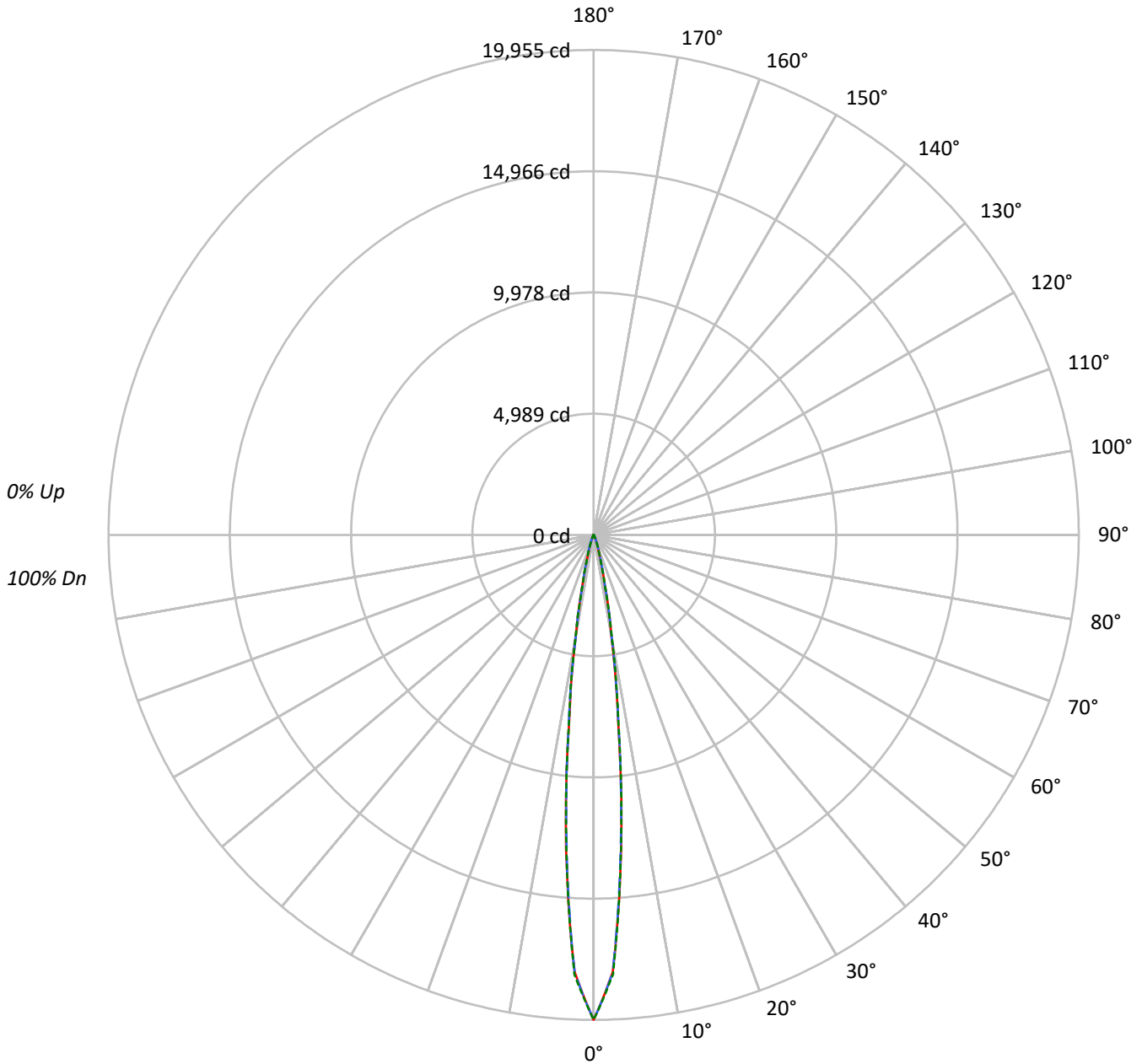


Downlight

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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°	2245313	2245313	2245313
5°	1319448	1302364	1312669
10°	393795	396557	402622
15°	97948	99859	96776
20°	29309	33940	29931
25°	10330	13165	10462
30°	3796	4995	3856
35°	1903	2150	1837
40°	1200	1321	1200
45°	889	945	889
50°	702	702	702
55°	585	585	585
60°	477	477	477
65°	364	364	364
70°	307	307	307
75°	189	189	257
80°	134	134	134
85°	66	66	66

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 945 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	949.9	64.9
10°-20°	390.7	26.7
20°-30°	77.6	5.3
30°-40°	19.4	1.3
40°-50°	10.2	0.7
50°-60°	7.5	0.5
60°-70°	5.3	0.4
70°-80°	3.0	0.2
80°-90°	0.9	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°	1418.2	96.8
0°-40°	1437.6	98.2
0°-60°	1455.3	99.4
0°-90°	1464.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1464.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	19955	19955	19955	19955	19955	
5°	12983	12850	12815	12904	12916	948
15°	1128	1149	1150	1129	1114	387
25°	133	150	169	150	134	70
35°	26	28	30	28	25	18
45°	13	13	14	13	13	10
55°	8	8	8	8	8	8
65°	5	5	5	5	5	5
75°	2	2	2	2	3	3
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°	19954.8	19954.8	19954.8	19954.8	19954.8
2.5°	18000.1	18015.3	18021.2	18038.9	18104.8
5°	12983.0	12849.6	12814.9	12903.6	12916.3
7.5°	7690.7	7717.7	7816.5	7838.5	7759.1
10°	4220.4	4255.0	4250.0	4280.4	4315.0
12.5°	2158.4	2131.3	2122.9	2157.5	2109.4
15°	1127.7	1148.9	1149.7	1129.4	1114.2
17.5°	606.5	631.0	671.6	638.6	587.9
20°	358.2	380.1	414.8	387.7	365.8
22.5°	221.3	239.1	263.6	242.4	224.7
25°	132.6	150.4	169.0	149.5	134.3
27.5°	78.6	93.8	105.6	92.9	77.7
30°	50.7	59.1	66.7	58.3	51.5
32.5°	35.5	38.9	42.2	38.9	35.5
35°	26.2	27.9	29.6	27.9	25.3
37.5°	20.3	22.0	22.8	21.1	19.4
40°	16.9	17.7	18.6	17.7	16.9
42.5°	14.4	15.2	15.2	15.2	14.4
45°	12.7	12.7	13.5	12.7	12.7
47.5°	11.0	11.0	11.8	11.0	11.0
50°	10.1	10.1	10.1	10.1	10.1
52.5°	9.3	9.3	9.3	9.3	9.3
55°	8.4	8.4	8.4	8.4	8.4
57.5°	7.6	7.6	7.6	7.6	7.6
60°	6.8	6.8	6.8	6.8	6.8
62.5°	5.9	5.9	5.9	5.9	5.9
65°	5.1	5.1	5.1	5.1	5.1
67.5°	5.1	5.1	5.1	5.1	5.1
70°	4.2	4.2	4.2	4.2	4.2
72.5°	3.4	3.4	3.4	3.4	3.4
75°	2.5	2.5	2.5	2.5	3.4
77.5°	2.5	2.5	2.5	2.5	2.5
80°	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7
85°	0.8	0.8	0.8	0.8	0.8
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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