

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: P789433

Luminaire Tested: LER6D15D010-EC6DR1515309027-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P789433  
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-EC6DR1515309027-6LBDDP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1323.1 lumens  
Efficiency: N/A  
Efficacy: 83.7 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

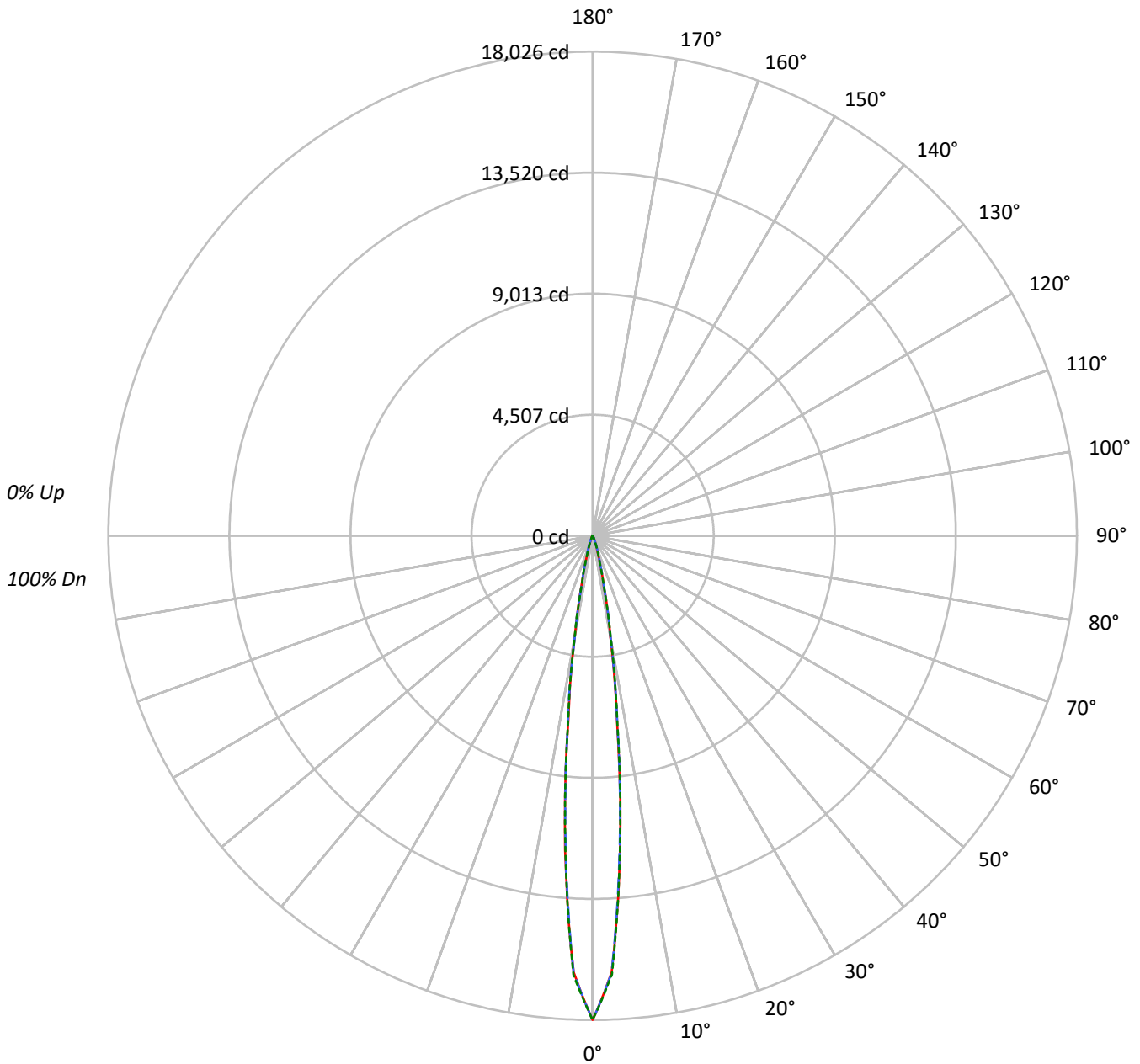


Downlight

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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	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°	2028330	2028330	2028330
5°	1191944	1176507	1185816
10°	355735	358236	363713
15°	88490	90210	87430
20°	26478	30659	27034
25°	9333	11888	9449
30°	3430	4515	3489
35°	1721	1939	1663
40°	1087	1193	1087
45°	798	854	798
50°	640	640	640
55°	529	529	529
60°	428	428	428
65°	328	328	328
70°	278	278	278
75°	174	174	234
80°	118	118	118
85°	66	66	66

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 854 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	858.1	64.9
10°-20°	353.0	26.7
20°-30°	70.1	5.3
30°-40°	17.5	1.3
40°-50°	9.2	0.7
50°-60°	6.8	0.5
60°-70°	4.8	0.4
70°-80°	2.8	0.2
80°-90°	0.8	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°	1281.2	96.8
0°-40°	1298.7	98.2
0°-60°	1314.7	99.4
0°-90°	1323.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1323.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	18026	18026	18026	18026	18026	
5°	11728	11608	11576	11657	11668	856
15°	1019	1038	1039	1020	1007	349
25°	120	136	153	135	121	63
35°	24	25	27	25	23	16
45°	11	11	12	11	11	9
55°	8	8	8	8	8	7
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°	18026.4	18026.4	18026.4	18026.4	18026.4
2.5°	16260.6	16274.3	16279.6	16295.7	16355.2
5°	11728.4	11607.8	11576.5	11656.7	11668.1
7.5°	6947.4	6971.9	7061.1	7081.0	7009.3
10°	3812.5	3843.8	3839.3	3866.7	3898.0
12.5°	1949.8	1925.4	1917.7	1949.0	1905.5
15°	1018.8	1037.8	1038.6	1020.3	1006.6
17.5°	547.9	570.1	606.7	576.9	531.1
20°	323.6	343.4	374.7	350.3	330.4
22.5°	199.9	216.0	238.1	219.0	203.0
25°	119.8	135.8	152.6	135.1	121.3
27.5°	71.0	84.7	95.4	83.9	70.2
30°	45.8	53.4	60.3	52.7	46.6
32.5°	32.1	35.1	38.2	35.1	32.1
35°	23.7	25.2	26.7	25.2	22.9
37.5°	18.3	19.8	20.6	19.1	17.6
40°	15.3	16.0	16.8	16.0	15.3
42.5°	13.0	13.7	13.7	13.7	13.0
45°	11.4	11.4	12.2	11.4	11.4
47.5°	9.9	9.9	10.7	9.9	9.9
50°	9.2	9.2	9.2	9.2	9.2
52.5°	8.4	8.4	8.4	8.4	8.4
55°	7.6	7.6	7.6	7.6	7.6
57.5°	6.9	6.9	6.9	6.9	6.9
60°	6.1	6.1	6.1	6.1	6.1
62.5°	5.3	5.3	5.3	5.3	5.3
65°	4.6	4.6	4.6	4.6	4.6
67.5°	4.6	4.6	4.6	4.6	4.6
70°	3.8	3.8	3.8	3.8	3.8
72.5°	3.1	3.1	3.1	3.1	3.1
75°	2.3	2.3	2.3	2.3	3.1
77.5°	2.3	2.3	2.3	2.3	2.3
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5
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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(END OF REPORT)