

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: P790615

Luminaire Tested: LER6D25D010-EC6DR1515309027-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790615  
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: LER6D25D010-EC6DR1515309027-6LBDDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2591.9 lumens  
Efficiency: N/A  
Efficacy: 103.3 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): 25.1  
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

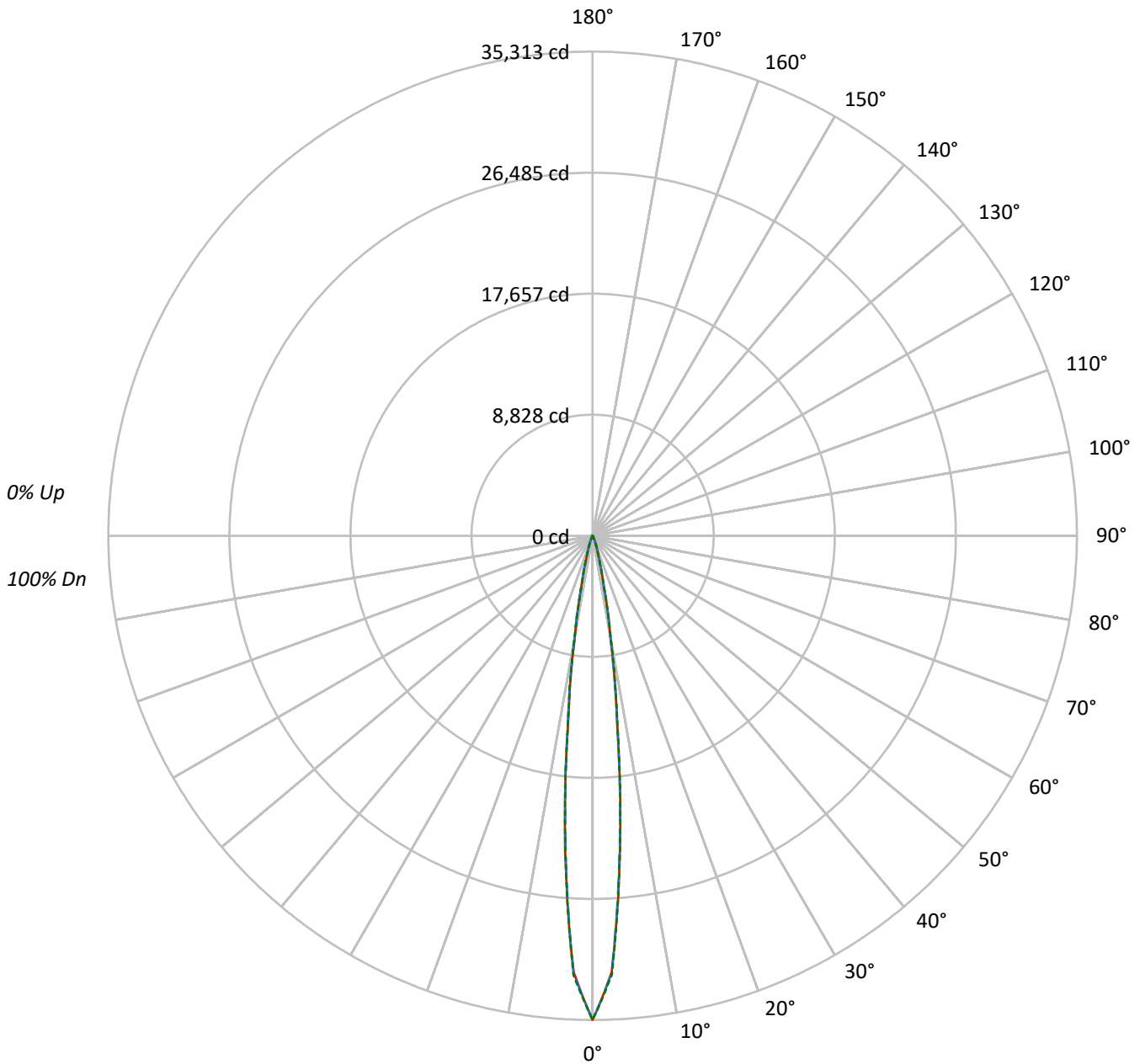


Downlight

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### Luminous Intensity Polar Plot





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

RF	20									20									20									20									
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°	3973439	3973439	3973439
5°	2334985	2304750	2322983
10°	696886	701766	712506
15°	173340	176719	171264
20°	51859	60058	52964
25°	18283	23292	18517
30°	6717	8843	6829
35°	3362	3798	3253
40°	2123	2336	2123
45°	1568	1673	1568
50°	1245	1245	1245
55°	1037	1037	1037
60°	843	843	843
65°	642	642	642
70°	549	549	549
75°	340	340	454
80°	236	236	236
85°	125	125	125

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1673 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1681.0	64.9
10°-20°	691.4	26.7
20°-30°	137.3	5.3
30°-40°	34.3	1.3
40°-50°	18.0	0.7
50°-60°	13.4	0.5
60°-70°	9.5	0.4
70°-80°	5.4	0.2
80°-90°	1.6	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°	2509.7	96.8
0°-40°	2544.0	98.2
0°-60°	2575.4	99.4
0°-90°	2591.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2591.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	35313	35313	35313	35313	35313	
5°	22976	22739	22678	22835	22858	1678
15°	1996	2033	2035	1999	1972	684
25°	235	266	299	265	238	123
35°	46	49	52	49	45	31
45°	22	22	24	22	22	18
55°	15	15	15	15	15	13
65°	9	9	9	9	9	9
75°	4	4	4	4	6	5
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	35313.2	35313.2	35313.2	35313.2	35313.2
2.5°	31854.0	31880.9	31891.3	31922.7	32039.3
5°	22975.6	22739.4	22678.1	22835.0	22857.5
7.5°	13609.8	13657.7	13832.6	13871.4	13730.9
10°	7468.7	7530.0	7521.0	7574.8	7636.1
12.5°	3819.5	3771.7	3756.8	3818.0	3732.8
15°	1995.7	2033.1	2034.6	1998.7	1971.8
17.5°	1073.4	1116.7	1188.5	1130.2	1040.5
20°	633.8	672.7	734.0	686.2	647.3
22.5°	391.7	423.1	466.4	429.0	397.7
25°	234.7	266.1	299.0	264.6	237.7
27.5°	139.0	165.9	186.9	164.4	137.5
30°	89.7	104.6	118.1	103.2	91.2
32.5°	62.8	68.8	74.7	68.8	62.8
35°	46.3	49.3	52.3	49.3	44.8
37.5°	35.9	38.9	40.4	37.4	34.4
40°	29.9	31.4	32.9	31.4	29.9
42.5°	25.4	26.9	26.9	26.9	25.4
45°	22.4	22.4	23.9	22.4	22.4
47.5°	19.4	19.4	20.9	19.4	19.4
50°	17.9	17.9	17.9	17.9	17.9
52.5°	16.4	16.4	16.4	16.4	16.4
55°	14.9	14.9	14.9	14.9	14.9
57.5°	13.5	13.5	13.5	13.5	13.5
60°	12.0	12.0	12.0	12.0	12.0
62.5°	10.5	10.5	10.5	10.5	10.5
65°	9.0	9.0	9.0	9.0	9.0
67.5°	9.0	9.0	9.0	9.0	9.0
70°	7.5	7.5	7.5	7.5	7.5
72.5°	6.0	6.0	6.0	6.0	6.0
75°	4.5	4.5	4.5	4.5	6.0
77.5°	4.5	4.5	4.5	4.5	4.5
80°	3.0	3.0	3.0	3.0	3.0
82.5°	3.0	3.0	3.0	3.0	3.0
85°	1.5	1.5	1.5	1.5	1.5
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)