

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: P790646

Luminaire Tested: LER6D25D010-EC6DR1515309040-6LBS1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790646  
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-EC6DR1515309040-6LBS1MW  
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3106.8 lumens  
Efficiency: N/A  
Efficacy: 123.8 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

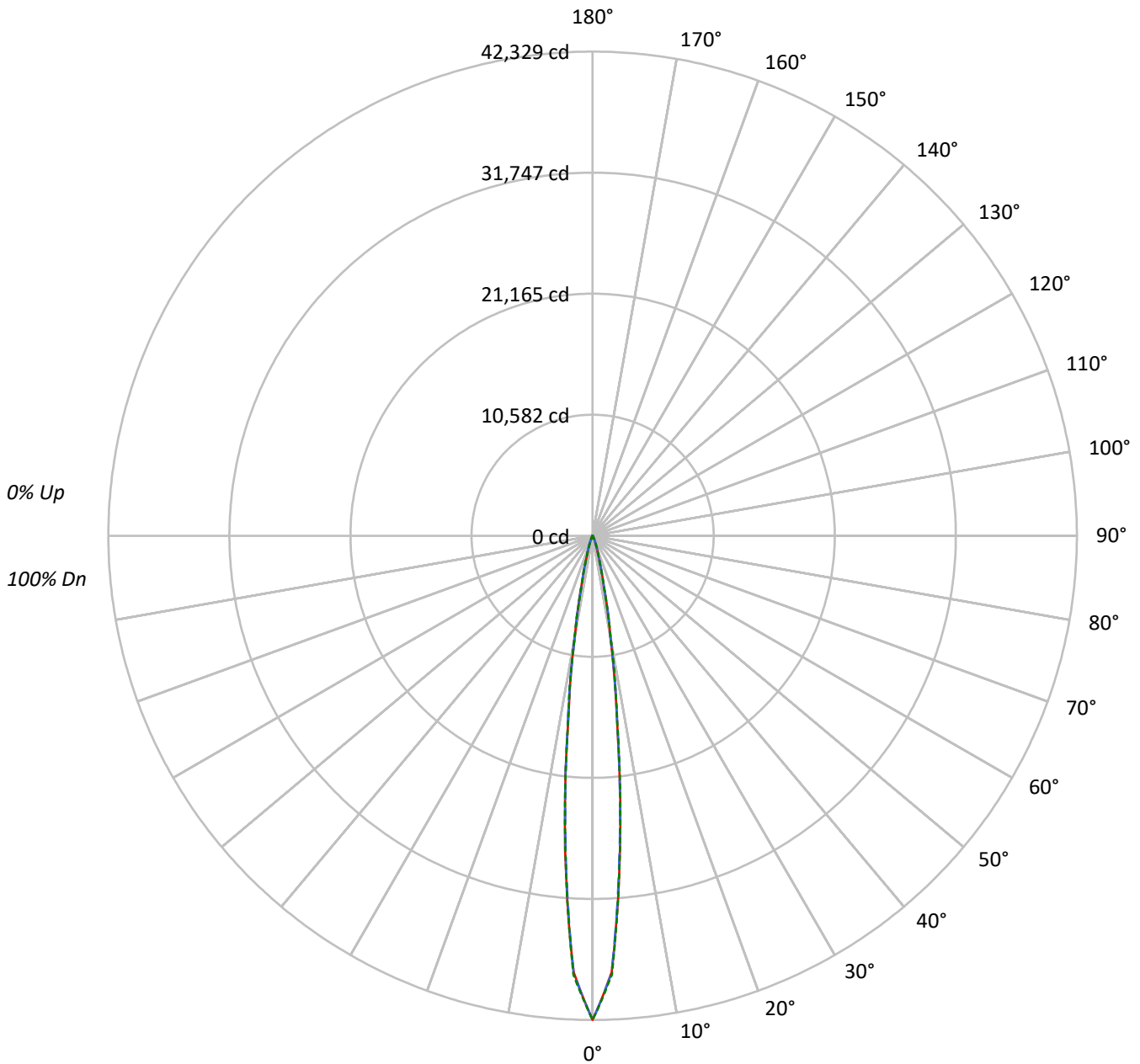


Downlight

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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°	4762868	4762868	4762868
5°	2798880	2762639	2784500
10°	835336	841187	854063
15°	207779	211826	205295
20°	62169	71988	63486
25°	21913	27920	22194
30°	8050	10603	8185
35°	4030	4553	3907
40°	2542	2798	2542
45°	1883	2009	1883
50°	1495	1495	1495
55°	1246	1246	1246
60°	1004	1004	1004
65°	771	771	771
70°	658	658	658
75°	408	408	544
80°	284	284	284
85°	149	149	149

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2009 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2014.9	64.9
10°-20°	828.8	26.7
20°-30°	164.6	5.3
30°-40°	41.1	1.3
40°-50°	21.6	0.7
50°-60°	16.0	0.5
60°-70°	11.3	0.4
70°-80°	6.5	0.2
80°-90°	2.0	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°	3008.4	96.8
0°-40°	3049.5	98.2
0°-60°	3087.1	99.4
0°-90°	3106.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3106.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	42329	42329	42329	42329	42329	
5°	27540	27257	27184	27372	27399	2011
15°	2392	2437	2439	2396	2364	820
25°	281	319	358	317	285	148
35°	56	59	63	59	54	38
45°	27	27	29	27	27	21
55°	18	18	18	18	18	16
65°	11	11	11	11	11	11
75°	5	5	5	5	7	6
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°	42329.1	42329.1	42329.1	42329.1	42329.1
2.5°	38182.5	38214.8	38227.3	38264.9	38404.7
5°	27540.2	27257.1	27183.6	27371.8	27398.7
7.5°	16313.8	16371.1	16580.8	16627.3	16458.9
10°	8952.5	9026.0	9015.2	9079.7	9153.2
12.5°	4578.4	4521.0	4503.1	4576.6	4474.5
15°	2392.2	2437.0	2438.8	2395.8	2363.6
17.5°	1286.6	1338.6	1424.6	1354.7	1247.2
20°	759.8	806.4	879.8	822.5	775.9
22.5°	469.5	507.1	559.1	514.3	476.7
25°	281.3	319.0	358.4	317.2	284.9
27.5°	166.6	198.9	224.0	197.1	164.9
30°	107.5	125.4	141.6	123.6	109.3
32.5°	75.3	82.4	89.6	82.4	75.3
35°	55.5	59.1	62.7	59.1	53.8
37.5°	43.0	46.6	48.4	44.8	41.2
40°	35.8	37.6	39.4	37.6	35.8
42.5°	30.5	32.3	32.3	32.3	30.5
45°	26.9	26.9	28.7	26.9	26.9
47.5°	23.3	23.3	25.1	23.3	23.3
50°	21.5	21.5	21.5	21.5	21.5
52.5°	19.7	19.7	19.7	19.7	19.7
55°	17.9	17.9	17.9	17.9	17.9
57.5°	16.1	16.1	16.1	16.1	16.1
60°	14.3	14.3	14.3	14.3	14.3
62.5°	12.5	12.5	12.5	12.5	12.5
65°	10.8	10.8	10.8	10.8	10.8
67.5°	10.8	10.8	10.8	10.8	10.8
70°	9.0	9.0	9.0	9.0	9.0
72.5°	7.2	7.2	7.2	7.2	7.2
75°	5.4	5.4	5.4	5.4	7.2
77.5°	5.4	5.4	5.4	5.4	5.4
80°	3.6	3.6	3.6	3.6	3.6
82.5°	3.6	3.6	3.6	3.6	3.6
85°	1.8	1.8	1.8	1.8	1.8
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)