

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: P790616

Luminaire Tested: LER6D25D010-EC6DR1515309027-6LBDP1H

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790616  
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-EC6DR1515309027-6LBDP1H  
Description: 6 INCH ROUND DEEP 45° CUTOFF SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2773.5 lumens  
Efficiency: N/A  
Efficacy: 110.5 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

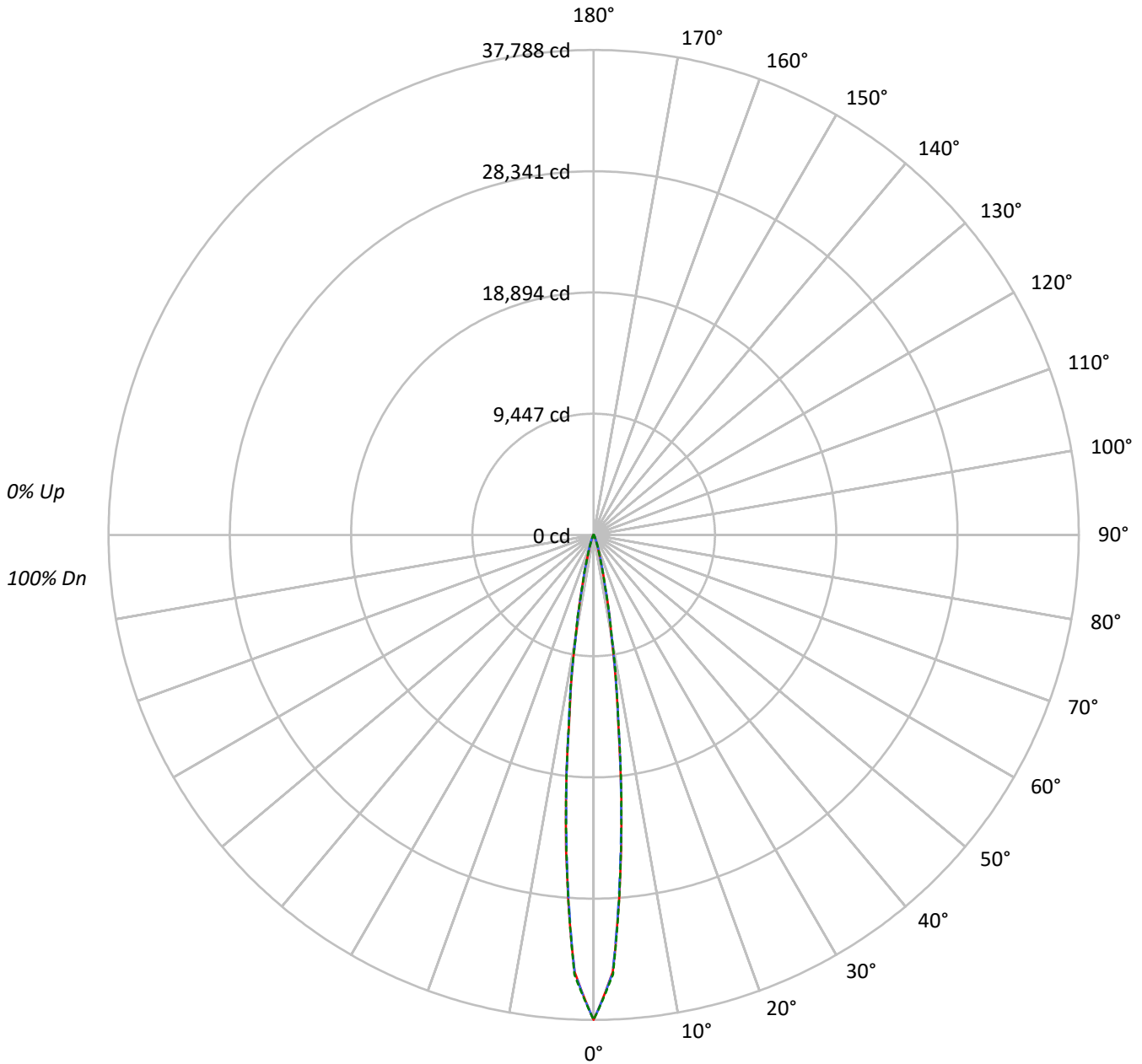
Input Watts (W): 25.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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°	4251870	4251870	4251870
5°	2498597	2466249	2485752
10°	745714	750939	762435
15°	185491	189105	183268
20°	55500	64264	56679
25°	19569	24920	19810
30°	7189	9465	7308
35°	3602	4067	3486
40°	2272	2500	2272
45°	1680	1792	1680
50°	1335	1335	1335
55°	1114	1114	1114
60°	899	899	899
65°	685	685	685
70°	585	585	585
75°	363	363	484
80°	252	252	252
85°	133	133	133

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1792 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1798.8	64.9
10°-20°	739.9	26.7
20°-30°	147.0	5.3
30°-40°	36.7	1.3
40°-50°	19.3	0.7
50°-60°	14.3	0.5
60°-70°	10.1	0.4
70°-80°	5.7	0.2
80°-90°	1.7	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°	2685.6	96.8
0°-40°	2722.3	98.2
0°-60°	2755.9	99.4
0°-90°	2773.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2773.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	37788	37788	37788	37788	37788	
5°	24586	24333	24267	24435	24459	1795
15°	2136	2176	2177	2139	2110	732
25°	251	285	320	283	254	132
35°	50	53	56	53	48	34
45°	24	24	26	24	24	19
55°	16	16	16	16	16	14
65°	10	10	10	10	10	10
75°	5	5	5	5	6	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°	37787.7	37787.7	37787.7	37787.7	37787.7
2.5°	34086.0	34114.8	34126.0	34159.6	34284.4
5°	24585.5	24332.8	24267.2	24435.1	24459.1
7.5°	14563.5	14614.7	14801.9	14843.5	14693.1
10°	7992.0	8057.6	8048.0	8105.6	8171.2
12.5°	4087.2	4036.0	4020.0	4085.6	3994.4
15°	2135.6	2175.6	2177.2	2138.8	2110.0
17.5°	1148.6	1195.0	1271.7	1209.4	1113.4
20°	678.3	719.9	785.4	734.3	692.7
22.5°	419.1	452.7	499.1	459.1	425.5
25°	251.2	284.7	319.9	283.1	254.3
27.5°	148.8	177.6	200.0	176.0	147.2
30°	96.0	112.0	126.4	110.4	97.6
32.5°	67.2	73.6	80.0	73.6	67.2
35°	49.6	52.8	56.0	52.8	48.0
37.5°	38.4	41.6	43.2	40.0	36.8
40°	32.0	33.6	35.2	33.6	32.0
42.5°	27.2	28.8	28.8	28.8	27.2
45°	24.0	24.0	25.6	24.0	24.0
47.5°	20.8	20.8	22.4	20.8	20.8
50°	19.2	19.2	19.2	19.2	19.2
52.5°	17.6	17.6	17.6	17.6	17.6
55°	16.0	16.0	16.0	16.0	16.0
57.5°	14.4	14.4	14.4	14.4	14.4
60°	12.8	12.8	12.8	12.8	12.8
62.5°	11.2	11.2	11.2	11.2	11.2
65°	9.6	9.6	9.6	9.6	9.6
67.5°	9.6	9.6	9.6	9.6	9.6
70°	8.0	8.0	8.0	8.0	8.0
72.5°	6.4	6.4	6.4	6.4	6.4
75°	4.8	4.8	4.8	4.8	6.4
77.5°	4.8	4.8	4.8	4.8	4.8
80°	3.2	3.2	3.2	3.2	3.2
82.5°	3.2	3.2	3.2	3.2	3.2
85°	1.6	1.6	1.6	1.6	1.6
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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