

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



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: P790762

Luminaire Tested: LER6D25D010-EC6DR3020359027-6LBDP1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790762  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LER6D25D010-EC6DR3020359027-6LB DP1MW  
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4175.3 lumens  
Efficiency: N/A  
Efficacy: 166.3 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
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

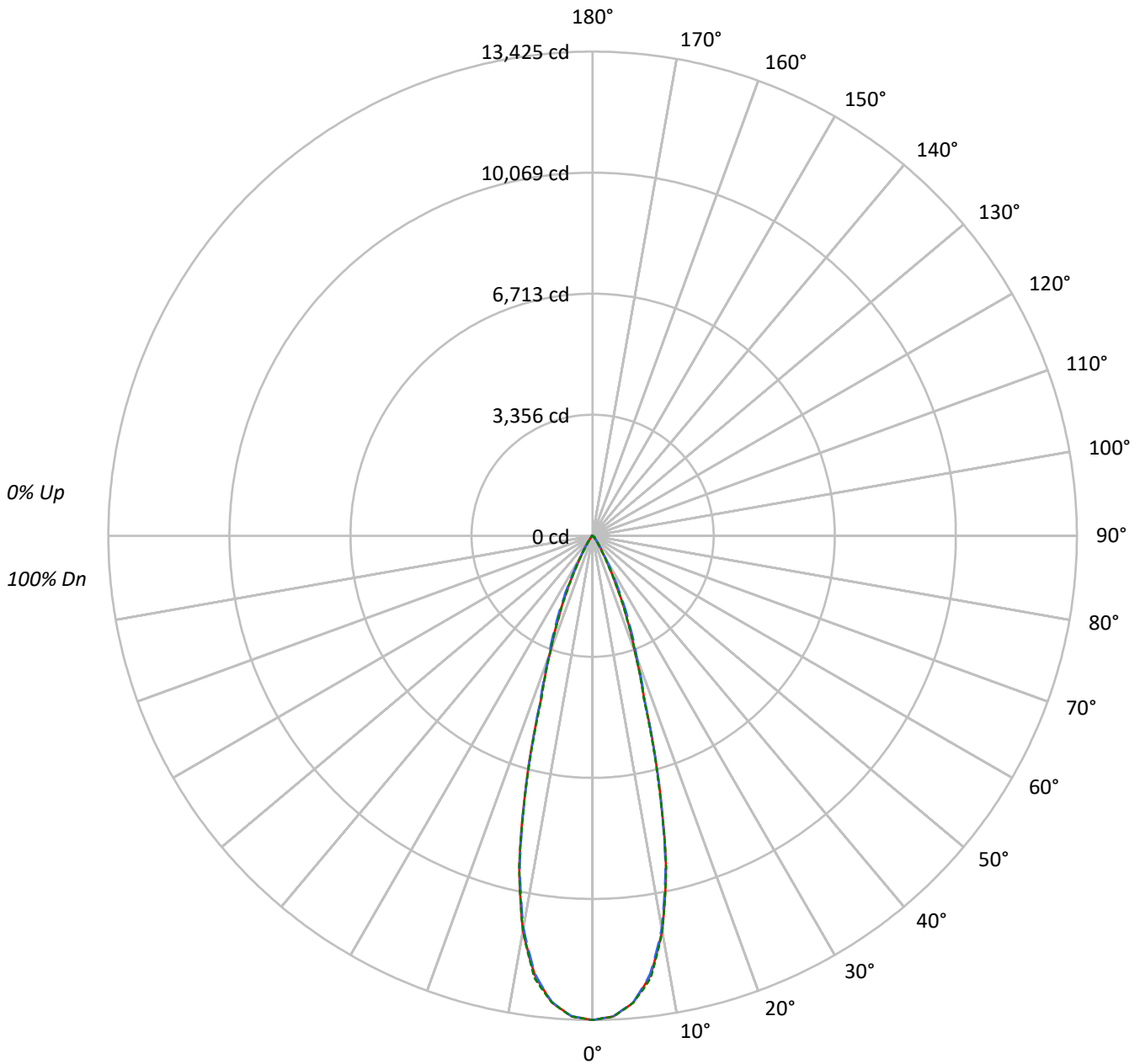


Downlight

TEST NUMBER: P790762

CATALOG NUMBER: LER6D25D010-EC6DR3020359027-6LBDP1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P790762

CATALOG NUMBER: LER6D25D010-EC6DR3020359027-6LBDP1MW

**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																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1027626	1027626	1027626
5°	998128	996960	998174
10°	864526	858433	864324
15°	564064	561036	558215
20°	280485	291009	280102
25°	141287	159327	138390
30°	56566	61639	49283
35°	26239	25127	21062
40°	11331	12580	10671
45°	7989	9916	8065
50°	2751	7216	2906
55°	1588	2989	1668
60°	1118	1317	1118
65°	724	724	724
70°	448	291	448
75°	0	207	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 9916 cd/sqm



TEST NUMBER: P790762

CATALOG NUMBER: LER6D25D010-EC6DR3020359027-6LBDP1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1180.6	28.3
10°-20°	1901.3	45.5
20°-30°	821.6	19.7
30°-40°	187.3	4.5
40°-50°	64.3	1.5
50°-60°	15.7	0.4
60°-70°	4.1	0.1
70°-80°	0.4	0.0
80°-90°	0.0	0.0
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°	3903.5	93.5
0°-40°	4090.7	98.0
0°-60°	4170.7	99.9
0°-90°	4175.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4175.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	13425	13425	13425	13425	13425	
5°	12990	12978	12975	13002	12991	1182
15°	7118	7032	7080	7057	7044	1906
25°	1673	1736	1886	1692	1639	801
35°	281	287	269	267	225	190
45°	74	92	92	92	74	52
55°	12	12	22	13	12	12
65°	4	4	4	4	4	4
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



TEST NUMBER: P790762

CATALOG NUMBER: LER6D25D010-EC6DR3020359027-6LBDP1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	13425.4	13425.4	13425.4	13425.4	13425.4
2.5°	13336.4	13327.2	13332.5	13339.1	13341.7
5°	12990.4	12977.9	12975.2	13002.3	12991.0
7.5°	12292.4	12274.6	12247.5	12308.8	12366.2
10°	11123.0	11103.3	11044.6	11073.6	11120.4
12.5°	9396.7	9332.8	9331.5	9423.8	9411.2
15°	7118.1	7032.4	7079.9	7056.8	7044.3
17.5°	4786.7	4753.7	4817.0	4797.9	4715.5
20°	3443.4	3451.9	3572.6	3511.9	3438.7
22.5°	2512.7	2543.6	2686.7	2530.4	2473.1
25°	1672.9	1736.2	1886.5	1692.0	1638.6
27.5°	1028.9	1057.9	1210.2	1015.7	986.7
30°	640.0	625.5	697.4	598.5	557.6
32.5°	419.9	401.4	424.5	381.0	348.0
35°	280.8	286.7	268.9	267.0	225.4
37.5°	175.3	201.7	178.0	189.8	145.0
40°	113.4	146.3	125.9	139.1	106.8
42.5°	92.9	112.7	103.5	110.1	94.9
45°	73.8	91.6	91.6	91.6	74.5
47.5°	40.9	61.3	78.4	62.6	43.5
50°	23.1	31.0	60.6	32.3	24.4
52.5°	15.8	17.8	41.5	18.5	16.5
55°	11.9	12.5	22.4	13.2	12.5
57.5°	9.2	9.9	11.9	9.9	9.2
60°	7.3	7.3	8.6	7.9	7.3
62.5°	5.3	5.3	5.9	5.3	5.3
65°	4.0	4.0	4.0	4.0	4.0
67.5°	2.0	2.6	2.6	2.6	2.6
70°	2.0	1.3	1.3	1.3	2.0
72.5°	1.3	0.7	0.7	0.7	0.7
75°	0.0	0.0	0.7	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report







— 0°-180°    - - 45°-225°    - - - - 90°-270°

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)