

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: P790757

Luminaire Tested: LER6D25D010-EC6DR3020359024-6LBS1LI

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790757  
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-EC6DR3020359024-6LBS1LI  
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4660.1 lumens  
Efficiency: N/A  
Efficacy: 185.7 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

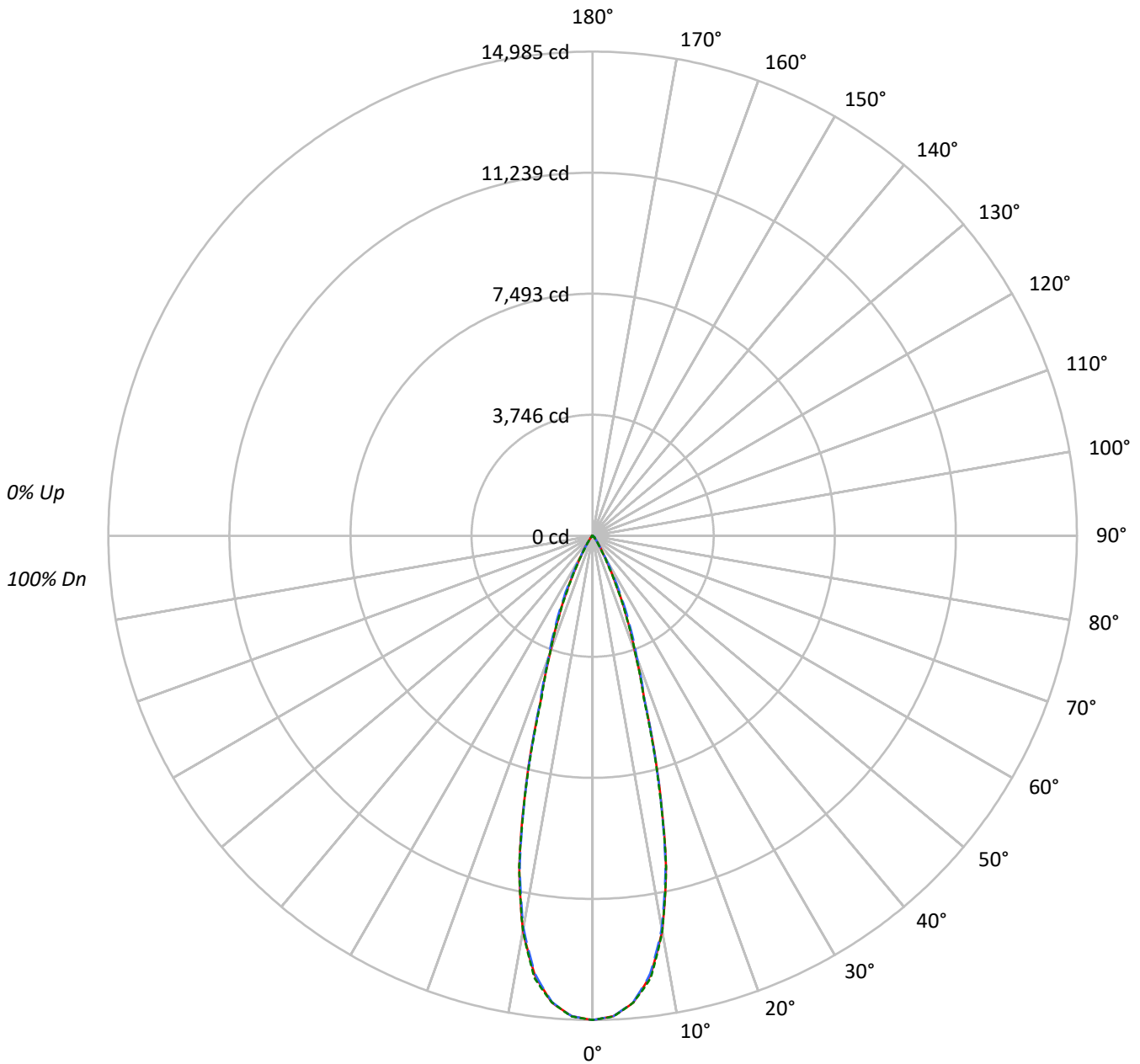


Downlight

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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					70					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°	1146980	1146980	1146980
5°	1114050	1112751	1114111
10°	964938	958137	964713
15°	629574	626190	623045
20°	313059	324805	312635
25°	157697	177831	154462
30°	63142	68799	55011
35°	29285	28051	23510
40°	12640	14039	11911
45°	8920	11074	8995
50°	3060	8062	3239
55°	1762	3336	1868
60°	1240	1470	1240
65°	797	797	797
70°	492	336	492
75°	0	207	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 11074 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1317.7	28.3
10°-20°	2122.1	45.5
20°-30°	917.0	19.7
30°-40°	209.0	4.5
40°-50°	71.8	1.5
50°-60°	17.5	0.4
60°-70°	4.5	0.1
70°-80°	0.5	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°	4356.8	93.5
0°-40°	4565.8	98.0
0°-60°	4655.1	99.9
0°-90°	4660.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4660.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	14985	14985	14985	14985	14985	
5°	14499	14485	14482	14512	14500	1319
15°	7945	7849	7902	7876	7862	2127
25°	1867	1938	2106	1888	1829	894
35°	313	320	300	298	252	213
45°	82	102	102	102	83	58
55°	13	14	25	15	14	13
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	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	14984.7	14984.7	14984.7	14984.7	14984.7
2.5°	14885.4	14875.1	14881.0	14888.3	14891.3
5°	14499.1	14485.2	14482.2	14512.4	14499.9
7.5°	13720.0	13700.2	13670.0	13738.4	13802.4
10°	12414.9	12392.8	12327.4	12359.7	12412.0
12.5°	10488.1	10416.7	10415.3	10518.3	10504.3
15°	7944.8	7849.2	7902.1	7876.4	7862.4
17.5°	5342.6	5305.9	5376.5	5355.1	5263.2
20°	3843.3	3852.8	3987.5	3919.8	3838.1
22.5°	2804.5	2839.1	2998.7	2824.3	2760.3
25°	1867.2	1937.8	2105.6	1888.5	1828.9
27.5°	1148.4	1180.8	1350.7	1133.7	1101.3
30°	714.4	698.2	778.4	668.0	622.4
32.5°	468.6	448.0	473.8	425.2	388.4
35°	313.4	320.0	300.2	298.0	251.6
37.5°	195.7	225.1	198.6	211.9	161.9
40°	126.5	163.3	140.5	155.2	119.2
42.5°	103.7	125.8	115.5	122.9	105.9
45°	82.4	102.3	102.3	102.3	83.1
47.5°	45.6	68.4	87.5	69.9	48.6
50°	25.7	34.6	67.7	36.0	27.2
52.5°	17.7	19.9	46.3	20.6	18.4
55°	13.2	14.0	25.0	14.7	14.0
57.5°	10.3	11.0	13.2	11.0	10.3
60°	8.1	8.1	9.6	8.8	8.1
62.5°	5.9	5.9	6.6	5.9	5.9
65°	4.4	4.4	4.4	4.4	4.4
67.5°	2.2	2.9	2.9	2.9	2.9
70°	2.2	1.5	1.5	1.5	2.2
72.5°	1.5	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

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Scaled Data Report



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Scaled Data Report







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

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(END OF REPORT)