

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: P790791

Luminaire Tested: LER6D25D010-EC6DR3020359050-6LBDP1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P790791  
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-EC6DR3020359050-6LBDDP1B  
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4171.3 lumens  
Efficiency: N/A  
Efficacy: 166.2 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

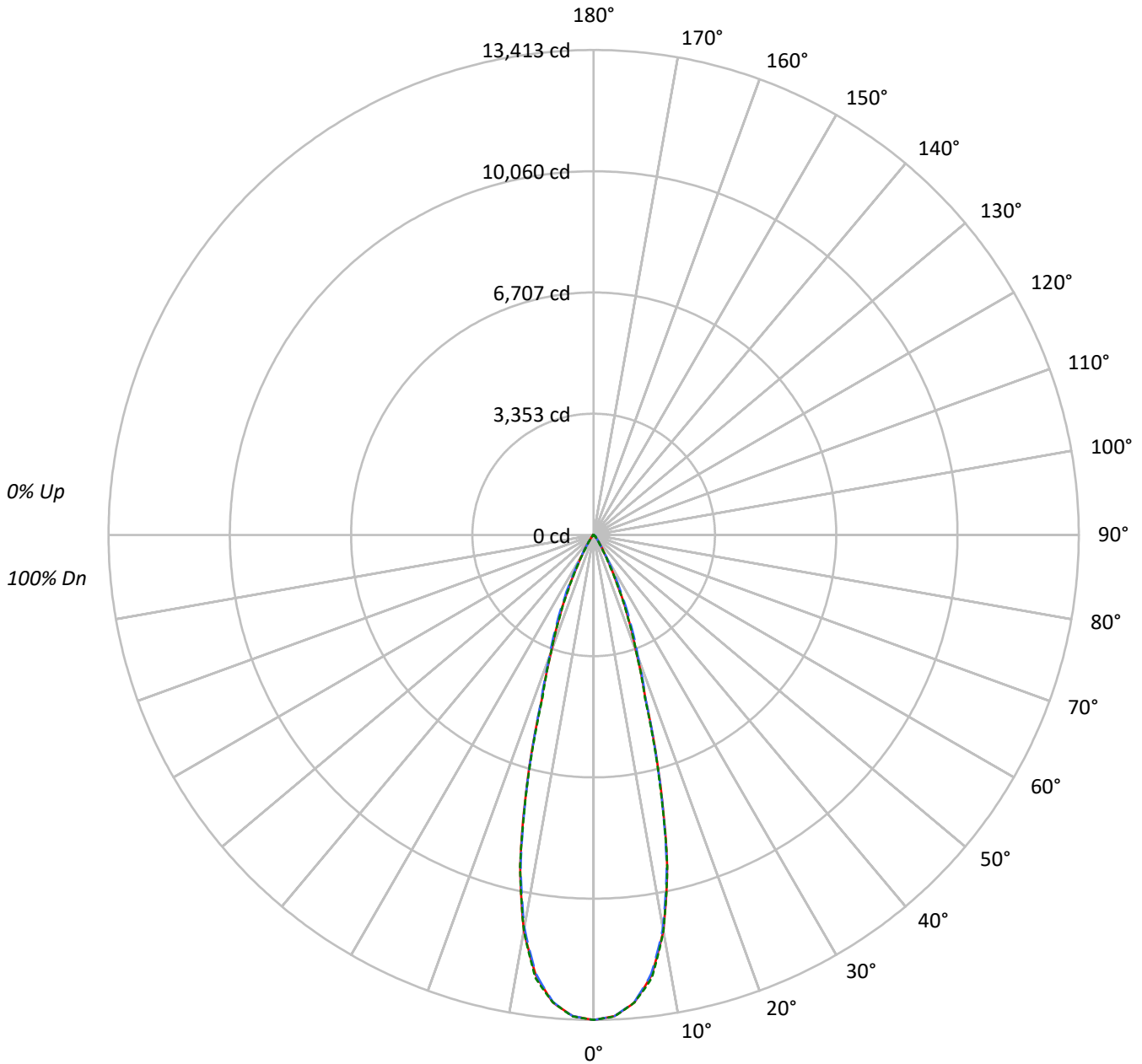


Downlight

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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									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	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°	1026661	1026661	1026661
5°	997190	996030	997244
10°	863718	857624	863516
15°	563533	560506	557692
20°	280216	290732	279841
25°	141152	159175	138263
30°	56513	61578	49239
35°	26211	25108	21043
40°	11321	12570	10661
45°	7989	9905	8054
50°	2739	7216	2906
55°	1588	2989	1668
60°	1102	1317	1102
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: 9905 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1179.5	28.3
10°-20°	1899.5	45.5
20°-30°	820.8	19.7
30°-40°	187.1	4.5
40°-50°	64.2	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°	3899.8	93.5
0°-40°	4086.9	98.0
0°-60°	4166.8	99.9
0°-90°	4171.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4171.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	13413	13413	13413	13413	13413	
5°	12978	12966	12963	12990	12979	1180
15°	7111	7026	7073	7050	7038	1904
25°	1671	1735	1885	1690	1637	800
35°	280	286	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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	13412.8	13412.8	13412.8	13412.8	13412.8
2.5°	13323.9	13314.7	13320.0	13326.6	13329.2
5°	12978.2	12965.7	12963.1	12990.1	12978.9
7.5°	12280.8	12263.0	12236.0	12297.3	12354.6
10°	11112.6	11092.8	11034.2	11063.2	11110.0
12.5°	9387.9	9324.0	9322.7	9414.9	9402.4
15°	7111.4	7025.8	7073.2	7050.2	7037.7
17.5°	4782.2	4749.3	4812.5	4793.4	4711.1
20°	3440.1	3448.7	3569.2	3508.6	3435.5
22.5°	2510.3	2541.2	2684.1	2528.1	2470.8
25°	1671.3	1734.6	1884.7	1690.4	1637.1
27.5°	1028.0	1056.9	1209.1	1014.8	985.8
30°	639.4	624.9	696.7	597.9	557.1
32.5°	419.5	401.0	424.1	380.6	347.7
35°	280.5	286.5	268.7	266.7	225.2
37.5°	175.2	201.5	177.8	189.7	144.9
40°	113.3	146.2	125.8	138.9	106.7
42.5°	92.9	112.6	103.4	110.0	94.8
45°	73.8	91.5	91.5	91.5	74.4
47.5°	40.8	61.2	78.4	62.6	43.5
50°	23.0	31.0	60.6	32.3	24.4
52.5°	15.8	17.8	41.5	18.4	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°	7.2	7.2	8.6	7.9	7.2
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

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Scaled Data Report







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

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(END OF REPORT)