

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: P763104

Luminaire Tested: LD6D25D010-EU6DR3020359024-6LBSQW1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P763104  
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: LD6D25D010-EU6DR3020359024-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1834.5 lumens  
Efficiency: N/A  
Efficacy: 73.1 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 (Ain): 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



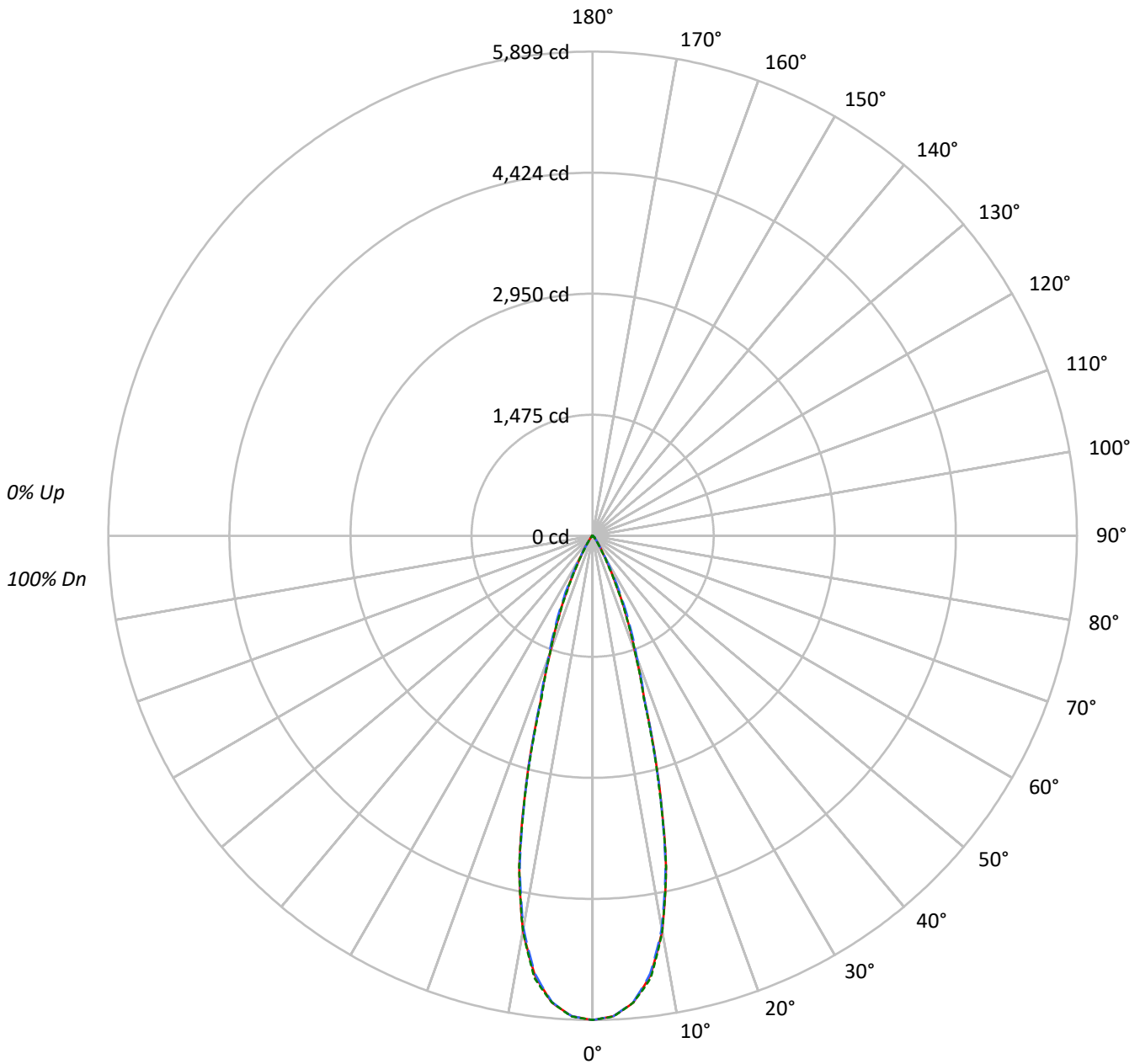
Downlight



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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°	451514	451514	451514
5°	438548	438041	438571
10°	379854	377172	379760
15°	247834	246503	245267
20°	123234	127861	123072
25°	62075	70006	60809
30°	24854	27081	21654
35°	11531	11036	9260
40°	4976	5526	4686
45°	3507	4362	3540
50°	1203	3168	1274
55°	694	1321	734
60°	490	582	490
65°	308	308	308
70°	201	134	201
75°	0	89	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 4362 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	518.7	28.3
10°-20°	835.4	45.5
20°-30°	361.0	19.7
30°-40°	82.3	4.5
40°-50°	28.3	1.5
50°-60°	6.9	0.4
60°-70°	1.8	0.1
70°-80°	0.2	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°	1715.1	93.5
0°-40°	1797.4	98.0
0°-60°	1832.5	99.9
0°-90°	1834.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1834.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5899	5899	5899	5899	5899	
5°	5708	5702	5701	5713	5708	519
15°	3128	3090	3111	3101	3095	837
25°	735	763	829	743	720	352
35°	123	126	118	117	99	84
45°	32	40	40	40	33	23
55°	5	6	10	6	6	5
65°	2	2	2	2	2	2
75°	0	0	0	0	0	0
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°	5898.8	5898.8	5898.8	5898.8	5898.8
2.5°	5859.7	5855.6	5857.9	5860.8	5862.0
5°	5707.6	5702.1	5701.0	5712.8	5707.9
7.5°	5400.9	5393.1	5381.2	5408.1	5433.3
10°	4887.2	4878.4	4852.7	4865.4	4886.0
12.5°	4128.7	4100.6	4100.0	4140.5	4135.0
15°	3127.5	3089.9	3110.7	3100.6	3095.1
17.5°	2103.1	2088.6	2116.5	2108.1	2071.8
20°	1512.9	1516.7	1569.7	1543.0	1510.9
22.5°	1104.0	1117.6	1180.5	1111.8	1086.6
25°	735.0	762.8	828.9	743.4	720.0
27.5°	452.1	464.8	531.7	446.3	433.6
30°	281.2	274.8	306.4	263.0	245.0
32.5°	184.5	176.4	186.5	167.4	152.9
35°	123.4	126.0	118.1	117.3	99.1
37.5°	77.1	88.6	78.2	83.4	63.7
40°	49.8	64.3	55.3	61.1	46.9
42.5°	40.9	49.5	45.5	48.4	41.7
45°	32.4	40.3	40.3	40.3	32.7
47.5°	17.9	26.9	34.5	27.5	19.1
50°	10.1	13.6	26.6	14.2	10.7
52.5°	6.9	7.8	18.2	8.1	7.2
55°	5.2	5.5	9.9	5.8	5.5
57.5°	4.1	4.4	5.2	4.4	4.1
60°	3.2	3.2	3.8	3.5	3.2
62.5°	2.3	2.3	2.6	2.3	2.3
65°	1.7	1.7	1.7	1.7	1.7
67.5°	0.9	1.1	1.1	1.1	1.1
70°	0.9	0.6	0.6	0.6	0.9
72.5°	0.6	0.3	0.3	0.3	0.3
75°	0.0	0.0	0.3	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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