

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: P763145

Luminaire Tested: LD6D25D010-EU6DR3020359040-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P763145  
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-EU6DR3020359040-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2743.2 lumens  
Efficiency: N/A  
Efficacy: 109.3 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 (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

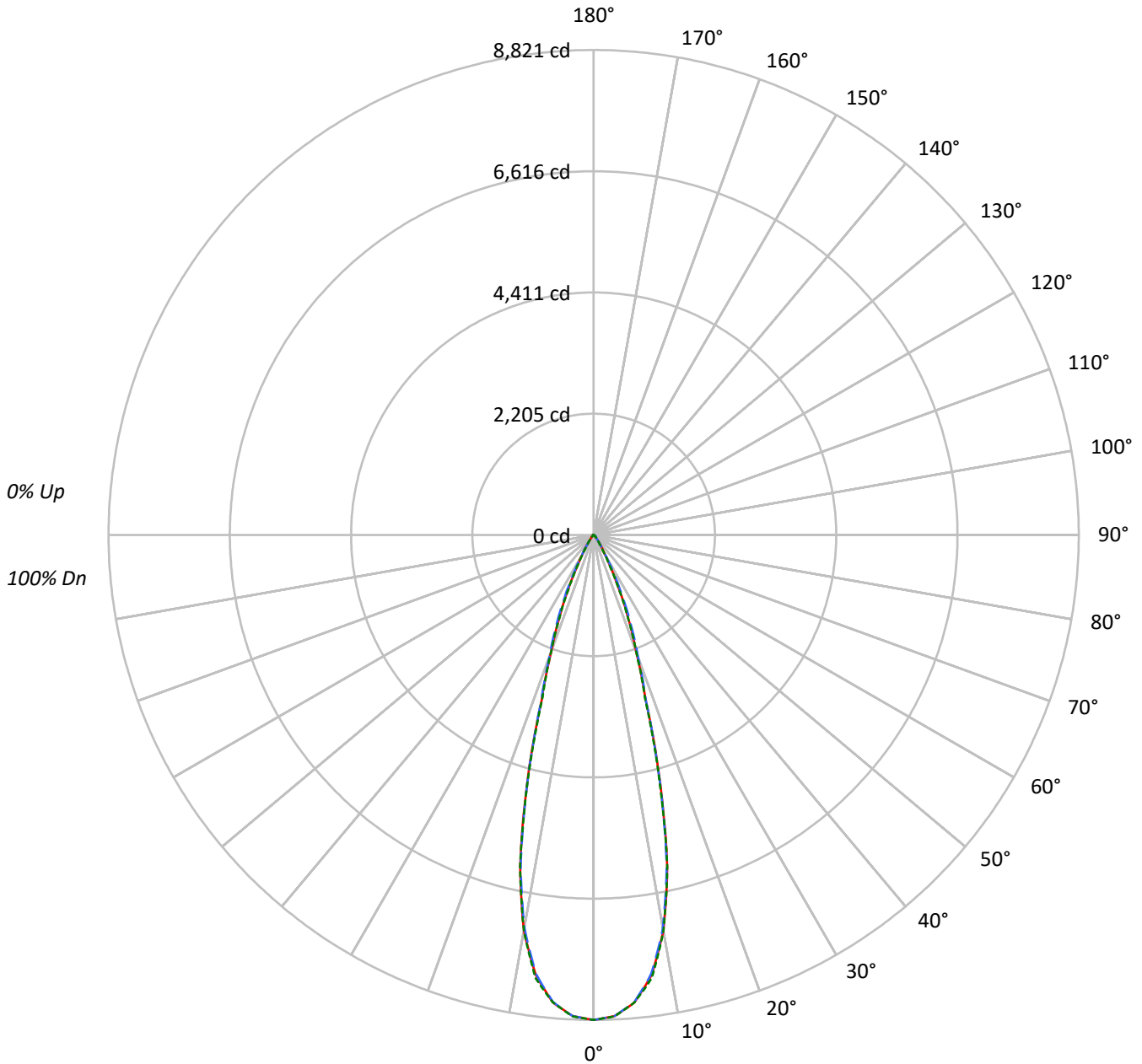


Downlight



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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°	675166	675166	675166
5°	655778	655017	655816
10°	568008	564006	567876
15°	370598	368609	366755
20°	184286	191193	184033
25°	92826	104675	90926
30°	37166	40498	32384
35°	17240	16511	13839
40°	7444	8263	7004
45°	5250	6517	5293
50°	1810	4739	1905
55°	1041	1962	1108
60°	735	857	735
65°	471	471	471
70°	291	201	291
75°	0	148	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 6517 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	775.6	28.3
10°-20°	1249.2	45.5
20°-30°	539.8	19.7
30°-40°	123.0	4.5
40°-50°	42.2	1.5
50°-60°	10.3	0.4
60°-70°	2.7	0.1
70°-80°	0.3	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°	2564.6	93.5
0°-40°	2687.7	98.0
0°-60°	2740.2	99.9
0°-90°	2743.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2743.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8821	8821	8821	8821	8821	
5°	8535	8527	8525	8543	8535	776
15°	4677	4620	4652	4636	4628	1252
25°	1099	1141	1239	1112	1077	526
35°	184	188	177	175	148	125
45°	48	60	60	60	49	34
55°	8	8	15	9	8	8
65°	3	3	3	3	3	3
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°	8820.7	8820.7	8820.7	8820.7	8820.7
2.5°	8762.3	8756.2	8759.6	8764.0	8765.7
5°	8534.8	8526.7	8524.9	8542.6	8535.3
7.5°	8076.3	8064.6	8046.8	8087.1	8124.7
10°	7308.0	7295.0	7256.5	7275.5	7306.3
12.5°	6173.8	6131.8	6130.9	6191.5	6183.3
15°	4676.7	4620.4	4651.6	4636.4	4628.2
17.5°	3144.9	3123.3	3164.9	3152.3	3098.2
20°	2262.4	2268.0	2347.2	2307.4	2259.3
22.5°	1650.8	1671.2	1765.2	1662.5	1624.9
25°	1099.1	1140.7	1239.4	1111.7	1076.6
27.5°	676.0	695.0	795.1	667.4	648.3
30°	420.5	411.0	458.2	393.2	366.4
32.5°	275.9	263.7	278.9	250.3	228.7
35°	184.5	188.4	176.7	175.4	148.1
37.5°	115.2	132.5	116.9	124.7	95.3
40°	74.5	96.1	82.7	91.4	70.1
42.5°	61.1	74.1	68.0	72.3	62.3
45°	48.5	60.2	60.2	60.2	48.9
47.5°	26.9	40.3	51.5	41.1	28.6
50°	15.2	20.3	39.8	21.2	16.0
52.5°	10.4	11.7	27.3	12.1	10.8
55°	7.8	8.3	14.7	8.7	8.3
57.5°	6.1	6.5	7.8	6.5	6.1
60°	4.8	4.8	5.6	5.2	4.8
62.5°	3.4	3.4	3.9	3.4	3.4
65°	2.6	2.6	2.6	2.6	2.6
67.5°	1.3	1.7	1.7	1.7	1.7
70°	1.3	0.9	0.9	0.9	1.3
72.5°	0.9	0.5	0.5	0.5	0.5
75°	0.0	0.0	0.5	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



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Scaled Data Report







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

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