

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: P763134

Luminaire Tested: LD6D25D010-EU6DR3020359035-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P763134  
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-EU6DR3020359035-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2669.8 lumens  
Efficiency: N/A  
Efficacy: 106.4 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



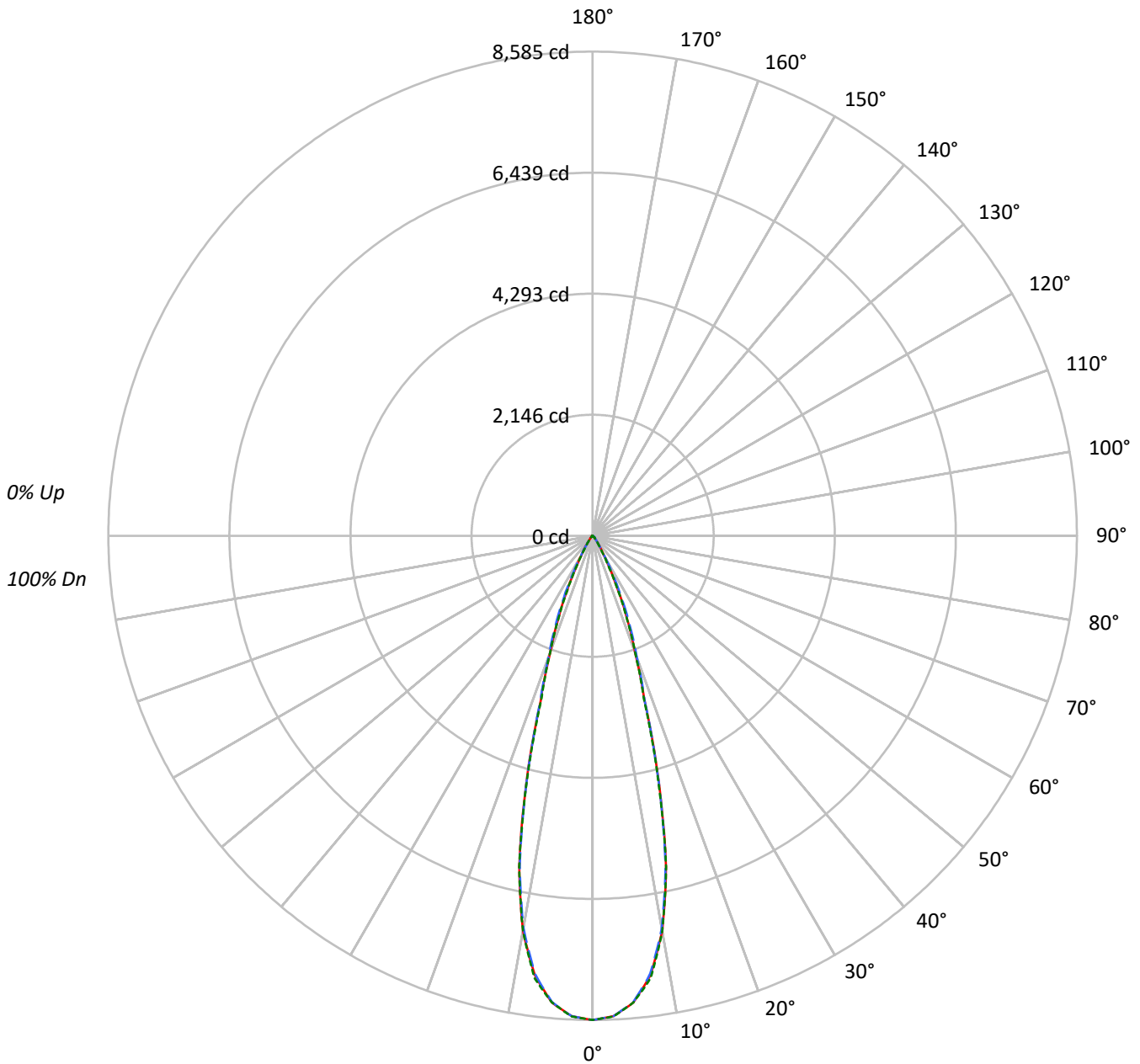
Downlight



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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	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°	657102	657102	657102
5°	638236	637491	638275
10°	552813	548912	552681
15°	360685	358743	356945
20°	179349	186078	179113
25°	90343	101880	88493
30°	36176	39411	31509
35°	16782	16063	13474
40°	7244	8044	6825
45°	5109	6343	5153
50°	1750	4620	1858
55°	1014	1908	1068
60°	704	842	704
65°	453	453	453
70°	291	201	291
75°	0	118	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 6343 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	754.9	28.3
10°-20°	1215.8	45.5
20°-30°	525.4	19.7
30°-40°	119.7	4.5
40°-50°	41.1	1.5
50°-60°	10.0	0.4
60°-70°	2.6	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°	2496.0	93.5
0°-40°	2615.8	98.0
0°-60°	2666.9	99.9
0°-90°	2669.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2669.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8585	8585	8585	8585	8585	
5°	8306	8298	8297	8314	8307	756
15°	4552	4497	4527	4512	4504	1219
25°	1070	1110	1206	1082	1048	512
35°	180	183	172	171	144	122
45°	47	59	59	59	48	33
55°	8	8	14	8	8	7
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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8584.7	8584.7	8584.7	8584.7	8584.7
2.5°	8527.8	8521.9	8525.3	8529.5	8531.2
5°	8306.5	8298.5	8296.8	8314.1	8307.0
7.5°	7860.2	7848.8	7831.6	7870.7	7907.4
10°	7112.5	7099.8	7062.3	7080.9	7110.8
12.5°	6008.6	5967.7	5966.9	6025.9	6017.9
15°	4551.6	4496.7	4527.1	4512.4	4504.4
17.5°	3060.8	3039.7	3080.2	3068.0	3015.3
20°	2201.8	2207.3	2284.4	2245.6	2198.9
22.5°	1606.7	1626.5	1717.9	1618.1	1581.4
25°	1069.7	1110.2	1206.3	1082.0	1047.8
27.5°	657.9	676.5	773.8	649.5	630.9
30°	409.3	400.0	445.9	382.7	356.5
32.5°	268.5	256.7	271.4	243.6	222.5
35°	179.6	183.3	171.9	170.7	144.2
37.5°	112.1	129.0	113.8	121.4	92.7
40°	72.5	93.6	80.5	88.9	68.3
42.5°	59.4	72.1	66.2	70.4	60.7
45°	47.2	58.6	58.6	58.6	47.6
47.5°	26.1	39.2	50.1	40.0	27.8
50°	14.7	19.8	38.8	20.6	15.6
52.5°	10.1	11.4	26.5	11.8	10.5
55°	7.6	8.0	14.3	8.4	8.0
57.5°	5.9	6.3	7.6	6.3	5.9
60°	4.6	4.6	5.5	5.0	4.6
62.5°	3.4	3.4	3.8	3.4	3.4
65°	2.5	2.5	2.5	2.5	2.5
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	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.4	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)