

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: P763638

Luminaire Tested: LD6D25D010-EU6DR6020359050-6LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P763638  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-57)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D25D010-EU6DR6020359050-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 60° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2740.3 lumens  
Efficiency: N/A  
Efficacy: 109.2 lumens/watt  
Spacing Criteria (0/90/45): 0.91 / 0.91 / 0.83  
Luminous Opening: Circular (Dia: 0.35' 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



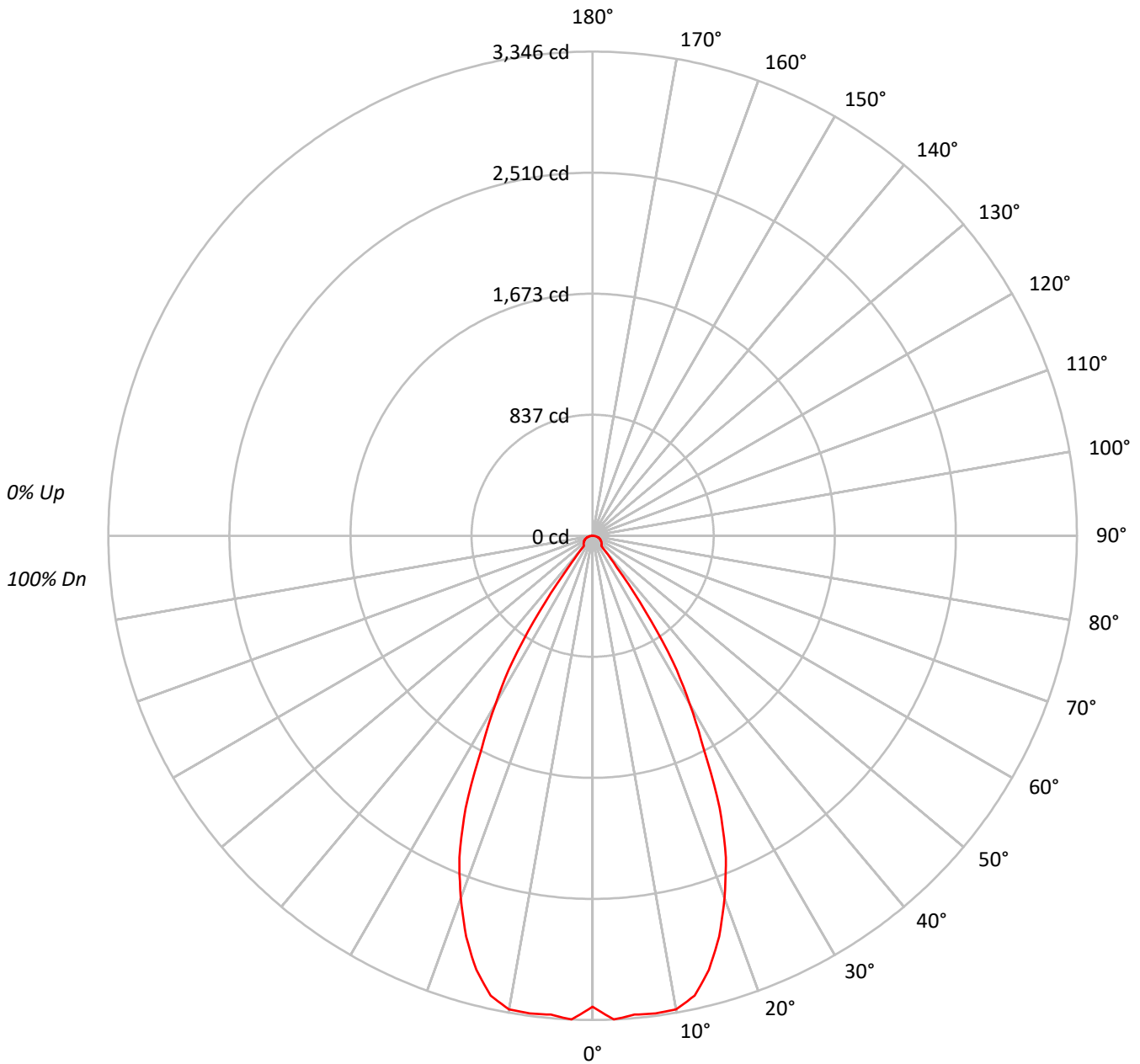
Downlight



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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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93																			
2	107	102	98	95	105	101	97	94	97	94	92	94	92	90	92	90	88	86																			
3	102	96	90	86	100	94	89	86	91	88	84	89	86	83	87	84	82	80																			
4	97	89	84	80	95	88	83	79	86	82	78	84	80	77	82	79	76	75																			
5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70																			
6	88	79	73	69	87	78	73	69	77	72	68	75	71	68	74	70	67	66																			
7	84	75	69	65	83	74	68	64	73	68	64	72	67	64	71	67	63	62																			
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	59																			
9	77	67	61	57	75	67	61	57	66	61	57	65	60	57	64	60	57	55																			
10	73	64	58	54	72	63	58	54	62	58	54	62	57	54	61	57	54	53																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	355578
5°	364329
10°	368730
15°	351256
20°	309704
25°	250503
30°	169450
35°	84898
40°	13764
45°	13489
50°	13751
55°	13963
60°	14357
65°	14685
70°	15014
75°	15197
80°	14661
85°	12160

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 75°  
 Luminance: 15197 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	317.5	11.6
10°-20°	859.0	31.3
20°-30°	924.2	33.7
30°-40°	401.7	14.7
40°-50°	67.5	2.5
50°-60°	65.6	2.4
60°-70°	56.1	2.0
70°-80°	37.5	1.4
80°-90°	11.2	0.4
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°	2100.6	76.7
0°-40°	2502.3	91.3
0°-60°	2635.4	96.2
0°-90°	2740.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2740.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3254	
5°	3322	317
15°	3105	859
25°	2078	924
35°	636	402
45°	87	67
55°	73	66
65°	57	56
75°	36	38
85°	10	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	3254.4
2.5°	3345.9
5°	3321.8
7.5°	3329.4
10°	3323.5
12.5°	3254.9
15°	3105.3
17.5°	2904.6
20°	2663.6
22.5°	2405.6
25°	2077.9
27.5°	1662.0
30°	1343.1
32.5°	1035.1
35°	636.5
37.5°	272.3
40°	96.5
42.5°	88.9
45°	87.3
47.5°	84.3
50°	80.9
52.5°	77.1
55°	73.3
57.5°	69.4
60°	65.7
62.5°	61.4
65°	56.8
67.5°	52.1
70°	47.0
72.5°	41.5
75°	36.0
77.5°	29.6
80°	23.3
82.5°	16.5
85°	9.7
87.5°	3.4
90°	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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Scaled Data Report



(END OF REPORT)