

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: P762897

Luminaire Tested: LD6D25D010-EU6DR1515309030-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P762897  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2310-195-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D25D010-EU6DR1515309030-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2601.2 lumens  
Efficiency: N/A  
Efficacy: 103.6 lumens/watt  
Spacing Criteria (0/90/45): 0.22 / 0.22 / 0.23  
Luminous Opening: Vertical Cylinder (Dia: 0.35' x H: 0.35')  
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

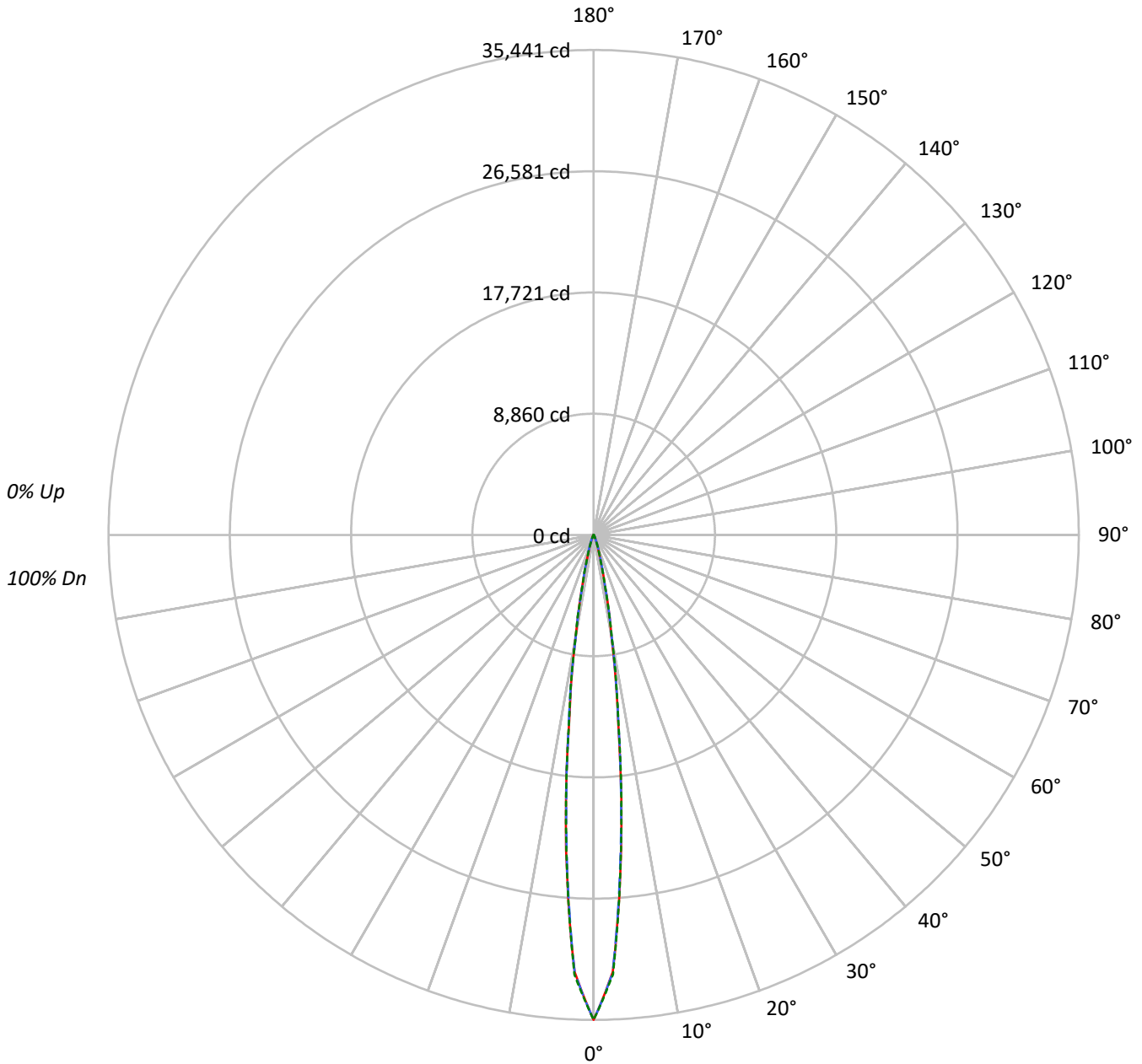


Downlight



TEST NUMBER: P762897  
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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	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98																			
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96																			
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94																			
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93																			
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92																			
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90																			
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89																			
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88																			
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87																			
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86																			

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

	0°	45°	90°
0°	3987820	3987820	3987820
5°	2343430	2313084	2331387
10°	699406	704304	715081
15°	173974	177362	171881
20°	52047	60279	53152
25°	18353	23378	18587
30°	6739	8873	6852
35°	3377	3813	3268
40°	2130	2343	2130
45°	1575	1680	1575
50°	1252	1252	1252
55°	1044	1044	1044
60°	843	843	843
65°	642	642	642
70°	549	549	549
75°	340	340	454
80°	236	236	236
85°	125	125	125

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1680 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1687.1	64.9
10°-20°	693.9	26.7
20°-30°	137.8	5.3
30°-40°	34.4	1.3
40°-50°	18.1	0.7
50°-60°	13.4	0.5
60°-70°	9.5	0.4
70°-80°	5.4	0.2
80°-90°	1.6	0.1
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°	2518.8	96.8
0°-40°	2553.2	98.2
0°-60°	2584.7	99.4
0°-90°	2601.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2601.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	35441	35441	35441	35441	35441	
5°	23059	22822	22760	22918	22940	1684
15°	2003	2040	2042	2006	1979	687
25°	236	267	300	266	239	124
35°	46	50	52	50	45	32
45°	22	22	24	22	22	18
55°	15	15	15	15	15	13
65°	9	9	9	9	9	9
75°	4	4	4	4	6	5
85°	2	2	2	2	2	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	35441.0	35441.0	35441.0	35441.0	35441.0
2.5°	31969.2	31996.2	32006.7	32038.2	32155.3
5°	23058.7	22821.7	22760.1	22917.7	22940.2
7.5°	13659.1	13707.1	13882.6	13921.6	13780.6
10°	7495.7	7557.2	7548.2	7602.2	7663.7
12.5°	3833.4	3785.4	3770.4	3831.9	3746.3
15°	2003.0	2040.5	2042.0	2006.0	1978.9
17.5°	1077.2	1120.8	1192.8	1134.3	1044.2
20°	636.1	675.2	736.7	688.7	649.6
22.5°	393.1	424.6	468.1	430.6	399.1
25°	235.6	267.1	300.1	265.6	238.6
27.5°	139.5	166.5	187.5	165.0	138.0
30°	90.0	105.0	118.5	103.5	91.5
32.5°	63.0	69.0	75.0	69.0	63.0
35°	46.5	49.5	52.5	49.5	45.0
37.5°	36.0	39.0	40.5	37.5	34.5
40°	30.0	31.5	33.0	31.5	30.0
42.5°	25.5	27.0	27.0	27.0	25.5
45°	22.5	22.5	24.0	22.5	22.5
47.5°	19.5	19.5	21.0	19.5	19.5
50°	18.0	18.0	18.0	18.0	18.0
52.5°	16.5	16.5	16.5	16.5	16.5
55°	15.0	15.0	15.0	15.0	15.0
57.5°	13.5	13.5	13.5	13.5	13.5
60°	12.0	12.0	12.0	12.0	12.0
62.5°	10.5	10.5	10.5	10.5	10.5
65°	9.0	9.0	9.0	9.0	9.0
67.5°	9.0	9.0	9.0	9.0	9.0
70°	7.5	7.5	7.5	7.5	7.5
72.5°	6.0	6.0	6.0	6.0	6.0
75°	4.5	4.5	4.5	4.5	6.0
77.5°	4.5	4.5	4.5	4.5	4.5
80°	3.0	3.0	3.0	3.0	3.0
82.5°	3.0	3.0	3.0	3.0	3.0
85°	1.5	1.5	1.5	1.5	1.5
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)