

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: P762896

Luminaire Tested: LD6D25D010-EU6DR1515309030-6LBSQW1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P762896  
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-EU6DR1515309030-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2475.2 lumens  
Efficiency: N/A  
Efficacy: 98.6 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



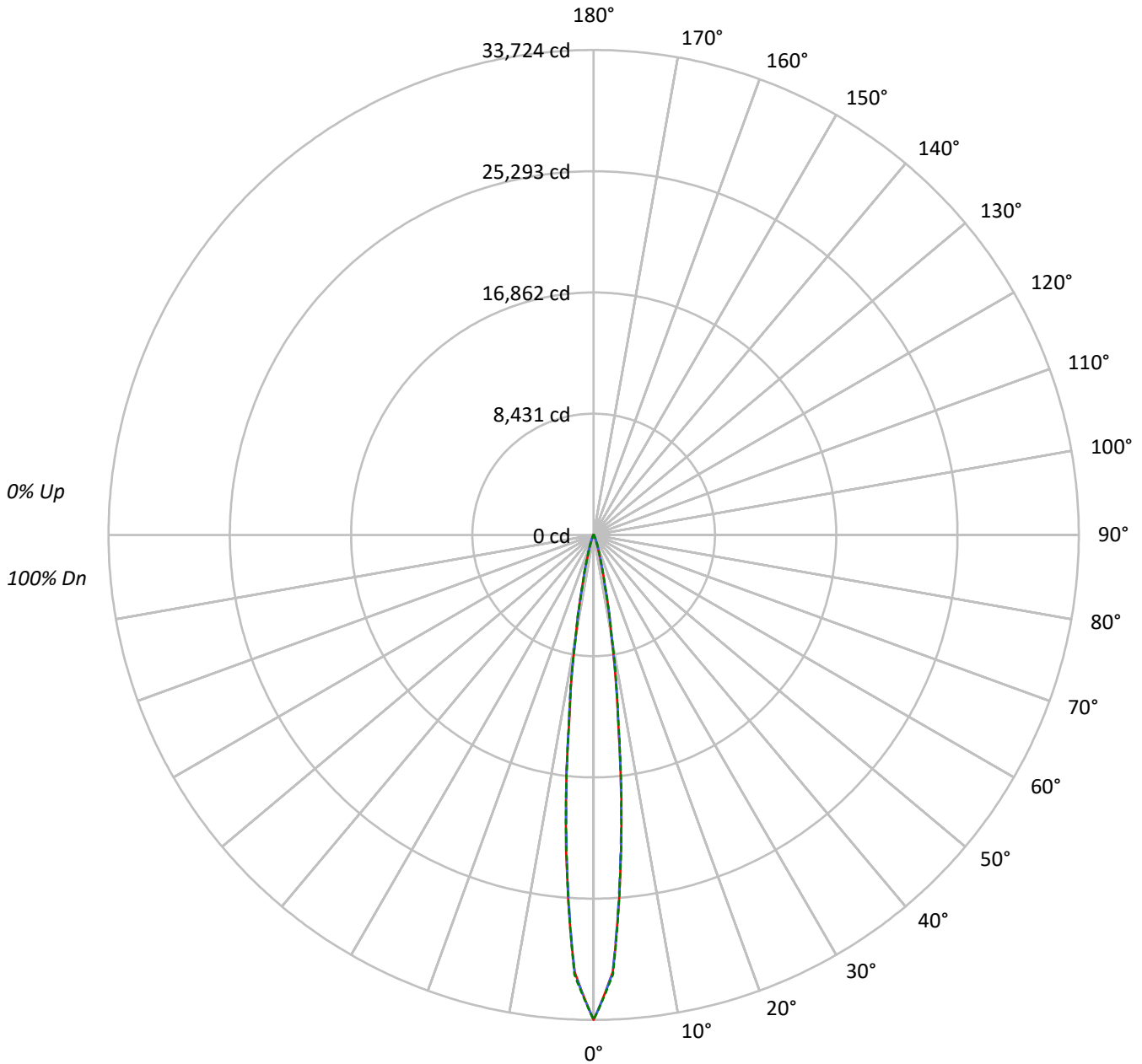
Downlight



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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°	3794634	3794634	3794634
5°	2229911	2201038	2218447
10°	665526	670182	680446
15°	165540	168763	163560
20°	49527	57358	50583
25°	17458	22241	17683
30°	6417	8447	6522
35°	3217	3631	3108
40°	2031	2230	2031
45°	1498	1596	1498
50°	1189	1189	1189
55°	995	995	995
60°	800	800	800
65°	614	614	614
70°	519	519	519
75°	325	325	431
80°	229	229	229
85°	116	116	116

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1596 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1605.3	64.9
10°-20°	660.3	26.7
20°-30°	131.2	5.3
30°-40°	32.7	1.3
40°-50°	17.2	0.7
50°-60°	12.7	0.5
60°-70°	9.0	0.4
70°-80°	5.1	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°	2396.8	96.8
0°-40°	2429.5	98.2
0°-60°	2459.5	99.4
0°-90°	2475.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2475.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	33724	33724	33724	33724	33724	
5°	21942	21716	21658	21808	21829	1602
15°	1906	1942	1943	1909	1883	653
25°	224	254	286	253	227	118
35°	44	47	50	47	43	30
45°	21	21	23	21	21	17
55°	14	14	14	14	14	13
65°	9	9	9	9	9	9
75°	4	4	4	4	6	5
85°	1	1	1	1	1	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	33724.1	33724.1	33724.1	33724.1	33724.1
2.5°	30420.5	30446.2	30456.2	30486.2	30597.6
5°	21941.7	21716.1	21657.6	21807.5	21828.9
7.5°	12997.4	13043.1	13210.1	13247.2	13113.0
10°	7132.6	7191.1	7182.5	7233.9	7292.5
12.5°	3647.7	3602.0	3587.7	3646.2	3564.9
15°	1905.9	1941.6	1943.0	1908.8	1883.1
17.5°	1025.1	1066.5	1135.0	1079.3	993.7
20°	605.3	642.4	701.0	655.3	618.2
22.5°	374.0	404.0	445.4	409.7	379.8
25°	224.1	254.1	285.5	252.7	227.0
27.5°	132.8	158.5	178.5	157.0	131.3
30°	85.7	99.9	112.8	98.5	87.1
32.5°	60.0	65.7	71.4	65.7	60.0
35°	44.3	47.1	50.0	47.1	42.8
37.5°	34.3	37.1	38.5	35.7	32.8
40°	28.6	30.0	31.4	30.0	28.6
42.5°	24.3	25.7	25.7	25.7	24.3
45°	21.4	21.4	22.8	21.4	21.4
47.5°	18.6	18.6	20.0	18.6	18.6
50°	17.1	17.1	17.1	17.1	17.1
52.5°	15.7	15.7	15.7	15.7	15.7
55°	14.3	14.3	14.3	14.3	14.3
57.5°	12.8	12.8	12.8	12.8	12.8
60°	11.4	11.4	11.4	11.4	11.4
62.5°	10.0	10.0	10.0	10.0	10.0
65°	8.6	8.6	8.6	8.6	8.6
67.5°	8.6	8.6	8.6	8.6	8.6
70°	7.1	7.1	7.1	7.1	7.1
72.5°	5.7	5.7	5.7	5.7	5.7
75°	4.3	4.3	4.3	4.3	5.7
77.5°	4.3	4.3	4.3	4.3	4.3
80°	2.9	2.9	2.9	2.9	2.9
82.5°	2.9	2.9	2.9	2.9	2.9
85°	1.4	1.4	1.4	1.4	1.4
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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