

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: P761193

Luminaire Tested: LD6D15D010-EU6DR300215IC9030-6LBCSSQMB

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P761193  
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: LD6D15D010-EU6DR300215IC9030-6LBCSSQMB  
Description: 6 INCH SQAURE SHALLOW CAST MATTE BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1245.4 lumens  
Efficiency: N/A  
Efficacy: 78.8 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): 15.8  
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



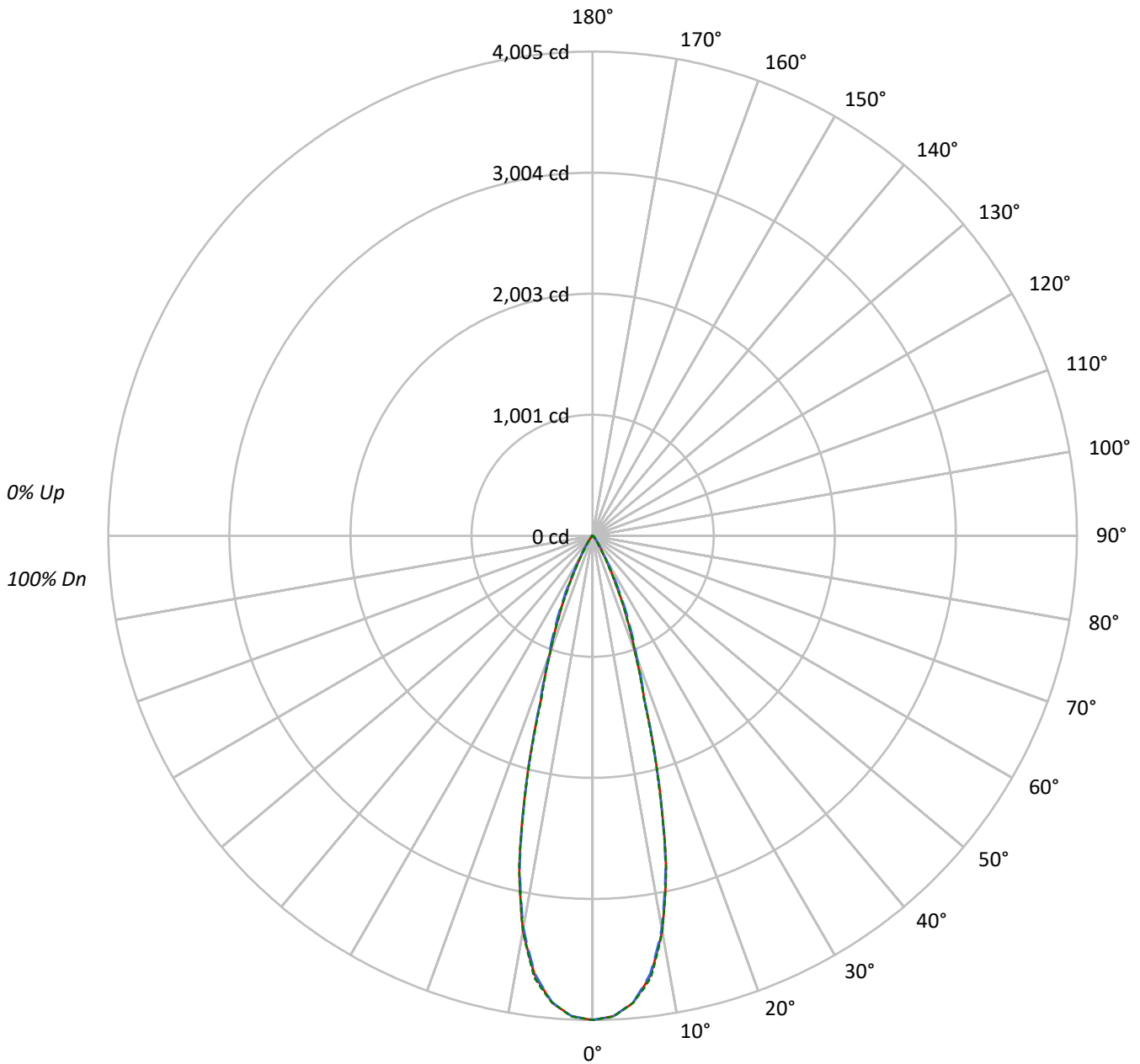
Downlight



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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	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°	306526	306526	306526
5°	297723	297378	297739
10°	257873	256055	257811
15°	168250	167347	166507
20°	83663	86799	83549
25°	42144	47524	41282
30°	16873	18384	14698
35°	7830	7494	6289
40°	3377	3747	3187
45°	2381	2955	2403
50°	822	2155	869
55°	480	894	494
60°	337	398	337
65°	217	217	217
70°	134	90	134
75°	0	59	0
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 2955 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	352.1	28.3
10°-20°	567.1	45.5
20°-30°	245.1	19.7
30°-40°	55.9	4.5
40°-50°	19.2	1.5
50°-60°	4.7	0.4
60°-70°	1.2	0.1
70°-80°	0.1	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°	1164.3	93.5
0°-40°	1220.2	98.0
0°-60°	1244.1	99.9
0°-90°	1245.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1245.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4005	4005	4005	4005	4005	
5°	3875	3871	3870	3878	3875	352
15°	2123	2098	2112	2105	2101	569
25°	499	518	563	505	489	239
35°	84	86	80	80	67	57
45°	22	27	27	27	22	16
55°	4	4	7	4	4	3
65°	1	1	1	1	1	1
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°	4004.6	4004.6	4004.6	4004.6	4004.6
2.5°	3978.1	3975.3	3976.9	3978.8	3979.6
5°	3874.8	3871.1	3870.3	3878.4	3875.0
7.5°	3666.6	3661.3	3653.2	3671.5	3688.6
10°	3317.8	3311.9	3294.4	3303.1	3317.0
12.5°	2802.9	2783.8	2783.5	2811.0	2807.2
15°	2123.2	2097.6	2111.8	2104.9	2101.2
17.5°	1427.8	1417.9	1436.8	1431.1	1406.5
20°	1027.1	1029.6	1065.6	1047.5	1025.7
22.5°	749.5	758.7	801.4	754.8	737.7
25°	499.0	517.9	562.7	504.7	488.8
27.5°	306.9	315.6	361.0	303.0	294.3
30°	190.9	186.6	208.0	178.5	166.3
32.5°	125.2	119.7	126.6	113.6	103.8
35°	83.8	85.5	80.2	79.6	67.3
37.5°	52.3	60.2	53.1	56.6	43.3
40°	33.8	43.7	37.5	41.5	31.9
42.5°	27.7	33.6	30.9	32.8	28.3
45°	22.0	27.3	27.3	27.3	22.2
47.5°	12.2	18.3	23.4	18.7	12.9
50°	6.9	9.2	18.1	9.6	7.3
52.5°	4.7	5.3	12.4	5.5	4.9
55°	3.6	3.7	6.7	4.0	3.7
57.5°	2.8	2.9	3.6	2.9	2.8
60°	2.2	2.2	2.6	2.3	2.2
62.5°	1.5	1.5	1.8	1.5	1.5
65°	1.2	1.2	1.2	1.2	1.2
67.5°	0.6	0.8	0.8	0.8	0.8
70°	0.6	0.4	0.4	0.4	0.6
72.5°	0.4	0.2	0.2	0.2	0.2
75°	0.0	0.0	0.2	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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