

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: P760963

Luminaire Tested: LD6D15D010-EU6DR1515309027-6LBSQW1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P760963  
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: LD6D15D010-EU6DR1515309027-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1180.7 lumens  
Efficiency: N/A  
Efficacy: 74.7 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): 15.8  
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



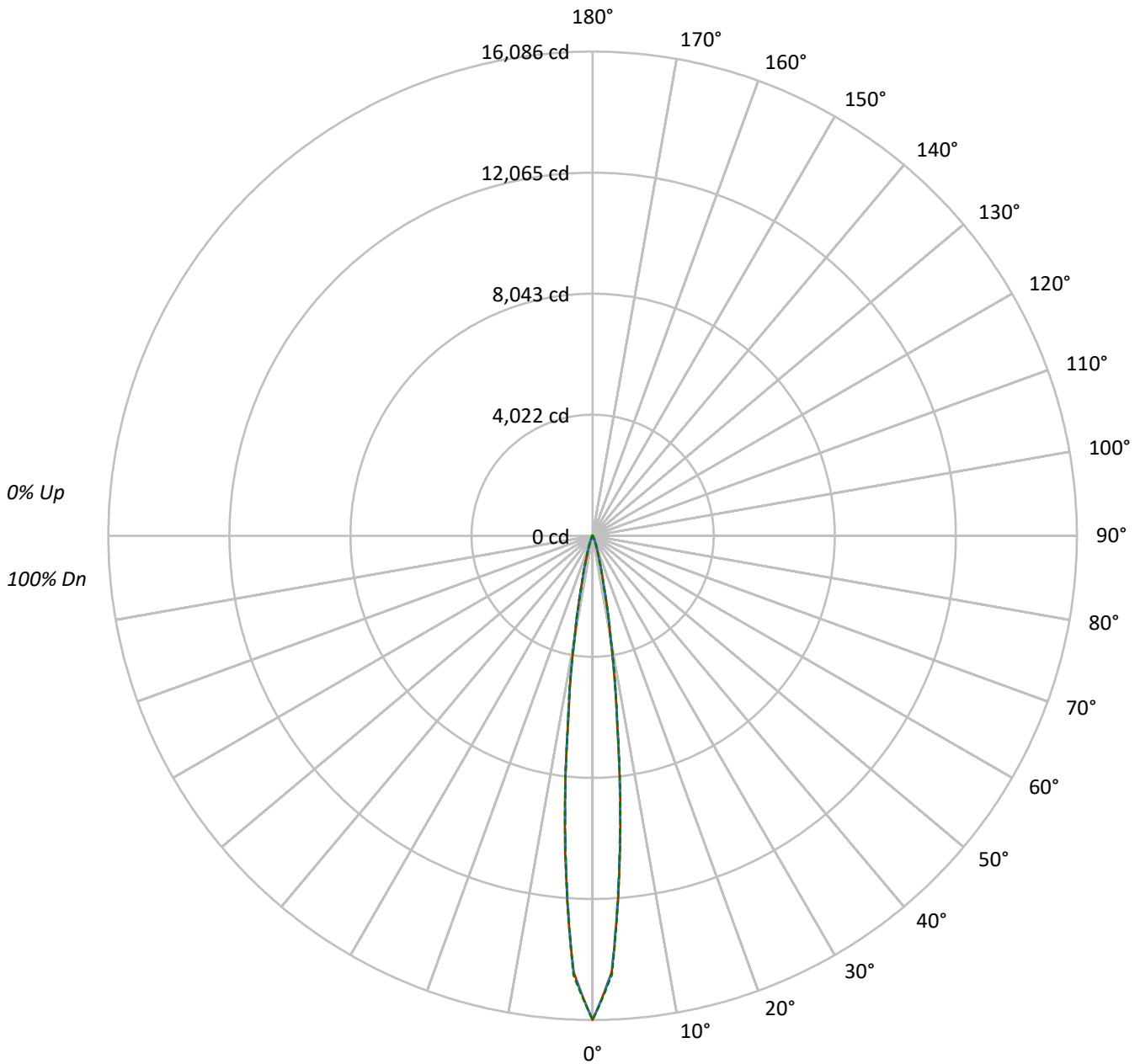
Downlight



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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°	1810030	1810030	1810030
5°	1063658	1049888	1058191
10°	317451	319681	324570
15°	78962	80499	78015
20°	23622	27362	24130
25°	8328	10610	8437
30°	3063	4029	3108
35°	1532	1728	1481
40°	966	1065	966
45°	714	763	714
50°	570	570	570
55°	473	473	473
60°	379	379	379
65°	293	293	293
70°	249	249	249
75°	151	151	204
80°	110	110	110
85°	58	58	58

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 763 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	765.7	64.9
10°-20°	315.0	26.7
20°-30°	62.6	5.3
30°-40°	15.6	1.3
40°-50°	8.2	0.7
50°-60°	6.1	0.5
60°-70°	4.3	0.4
70°-80°	2.4	0.2
80°-90°	0.8	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°	1143.3	96.8
0°-40°	1158.9	98.2
0°-60°	1173.2	99.4
0°-90°	1180.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1180.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	16086	16086	16086	16086	16086	
5°	10466	10358	10331	10402	10412	764
15°	909	926	927	910	898	312
25°	107	121	136	120	108	56
35°	21	22	24	22	20	14
45°	10	10	11	10	10	8
55°	7	7	7	7	7	6
65°	4	4	4	4	4	4
75°	2	2	2	2	3	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	16086.3	16086.3	16086.3	16086.3	16086.3
2.5°	14510.5	14522.8	14527.5	14541.8	14594.9
5°	10466.1	10358.5	10330.6	10402.1	10412.3
7.5°	6199.7	6221.5	6301.2	6318.9	6254.9
10°	3402.2	3430.1	3426.1	3450.6	3478.5
12.5°	1739.9	1718.1	1711.3	1739.2	1700.4
15°	909.1	926.1	926.8	910.5	898.2
17.5°	488.9	508.7	541.4	514.8	474.0
20°	288.7	306.4	334.4	312.6	294.9
22.5°	178.4	192.7	212.5	195.4	181.1
25°	106.9	121.2	136.2	120.5	108.3
27.5°	63.3	75.6	85.1	74.9	62.7
30°	40.9	47.7	53.8	47.0	41.5
32.5°	28.6	31.3	34.0	31.3	28.6
35°	21.1	22.5	23.8	22.5	20.4
37.5°	16.3	17.7	18.4	17.0	15.7
40°	13.6	14.3	15.0	14.3	13.6
42.5°	11.6	12.3	12.3	12.3	11.6
45°	10.2	10.2	10.9	10.2	10.2
47.5°	8.9	8.9	9.5	8.9	8.9
50°	8.2	8.2	8.2	8.2	8.2
52.5°	7.5	7.5	7.5	7.5	7.5
55°	6.8	6.8	6.8	6.8	6.8
57.5°	6.1	6.1	6.1	6.1	6.1
60°	5.4	5.4	5.4	5.4	5.4
62.5°	4.8	4.8	4.8	4.8	4.8
65°	4.1	4.1	4.1	4.1	4.1
67.5°	4.1	4.1	4.1	4.1	4.1
70°	3.4	3.4	3.4	3.4	3.4
72.5°	2.7	2.7	2.7	2.7	2.7
75°	2.0	2.0	2.0	2.0	2.7
77.5°	2.0	2.0	2.0	2.0	2.0
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.7	0.7	0.7	0.7	0.7
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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