

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: P761013

Luminaire Tested: LD6D15D010-EU6DR1515309050-6LBSQW1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P761013  
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-EU6DR1515309050-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1307.0 lumens  
Efficiency: N/A  
Efficacy: 82.7 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



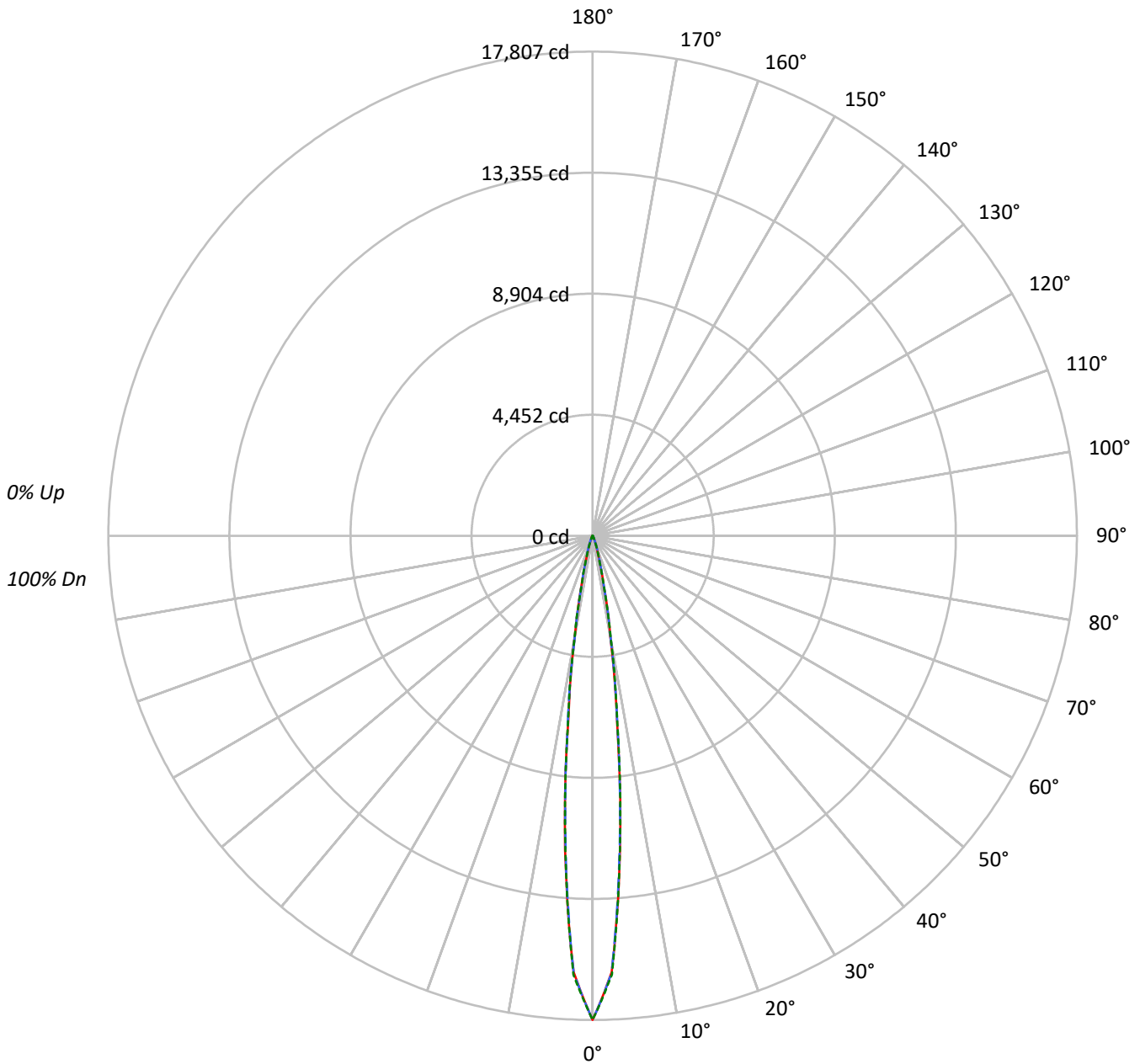
Downlight



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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				100															
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98				98															
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96				96															
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94				94															
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93				93															
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92				92															
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90				90															
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89				89															
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88				88															
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87				87															
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86				86															

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

	0°	45°	90°
0°	2003665	2003665	2003665
5°	1177442	1162198	1171395
10°	351415	353878	359290
15°	87413	89115	86362
20°	26151	30283	26707
25°	9223	11747	9340
30°	3385	4463	3445
35°	1699	1917	1641
40°	1072	1179	1072
45°	791	847	791
50°	626	626	626
55°	522	522	522
60°	421	421	421
65°	321	321	321
70°	278	278	278
75°	174	174	227
80°	118	118	118
85°	66	66	66

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 847 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	847.7	64.9
10°-20°	348.7	26.7
20°-30°	69.3	5.3
30°-40°	17.3	1.3
40°-50°	9.1	0.7
50°-60°	6.7	0.5
60°-70°	4.8	0.4
70°-80°	2.7	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°	1265.6	96.8
0°-40°	1282.9	98.2
0°-60°	1298.7	99.4
0°-90°	1307.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1307.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	17807	17807	17807	17807	17807	
5°	11586	11467	11436	11515	11526	846
15°	1006	1025	1026	1008	994	345
25°	118	134	151	133	120	62
35°	23	25	26	25	23	16
45°	11	11	12	11	11	9
55°	8	8	8	8	8	7
65°	4	4	4	4	4	5
75°	2	2	2	2	3	3
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°	17807.2	17807.2	17807.2	17807.2	17807.2
2.5°	16062.8	16076.4	16081.6	16097.5	16156.3
5°	11585.7	11466.6	11435.7	11514.9	11526.2
7.5°	6862.9	6887.1	6975.3	6994.9	6924.0
10°	3766.2	3797.1	3792.6	3819.7	3850.6
12.5°	1926.1	1901.9	1894.4	1925.3	1882.3
15°	1006.4	1025.2	1026.0	1007.9	994.3
17.5°	541.3	563.1	599.3	569.9	524.7
20°	319.6	339.2	370.1	346.0	326.4
22.5°	197.5	213.3	235.2	216.4	200.5
25°	118.4	134.2	150.8	133.4	119.9
27.5°	70.1	83.7	94.2	82.9	69.4
30°	45.2	52.8	59.6	52.0	46.0
32.5°	31.7	34.7	37.7	34.7	31.7
35°	23.4	24.9	26.4	24.9	22.6
37.5°	18.1	19.6	20.4	18.8	17.3
40°	15.1	15.8	16.6	15.8	15.1
42.5°	12.8	13.6	13.6	13.6	12.8
45°	11.3	11.3	12.1	11.3	11.3
47.5°	9.8	9.8	10.6	9.8	9.8
50°	9.0	9.0	9.0	9.0	9.0
52.5°	8.3	8.3	8.3	8.3	8.3
55°	7.5	7.5	7.5	7.5	7.5
57.5°	6.8	6.8	6.8	6.8	6.8
60°	6.0	6.0	6.0	6.0	6.0
62.5°	5.3	5.3	5.3	5.3	5.3
65°	4.5	4.5	4.5	4.5	4.5
67.5°	4.5	4.5	4.5	4.5	4.5
70°	3.8	3.8	3.8	3.8	3.8
72.5°	3.0	3.0	3.0	3.0	3.0
75°	2.3	2.3	2.3	2.3	3.0
77.5°	2.3	2.3	2.3	2.3	2.3
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.8	0.8	0.8	0.8	0.8
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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