

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: P761844

Luminaire Tested: LD6D15D010-EU6DR700215IC9050-6LBSQW1MW

Issue Date: 2/5/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P761844  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-73)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/5/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D15D010-EU6DR700215IC9050-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 70° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1243.4 lumens  
Efficiency: N/A  
Efficacy: 78.7 lumens/watt  
Spacing Criteria (0/90/45): 0.88 / 0.88 / 0.82  
Luminous Opening: Circular (Dia: 0.35' x H: 0')  
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



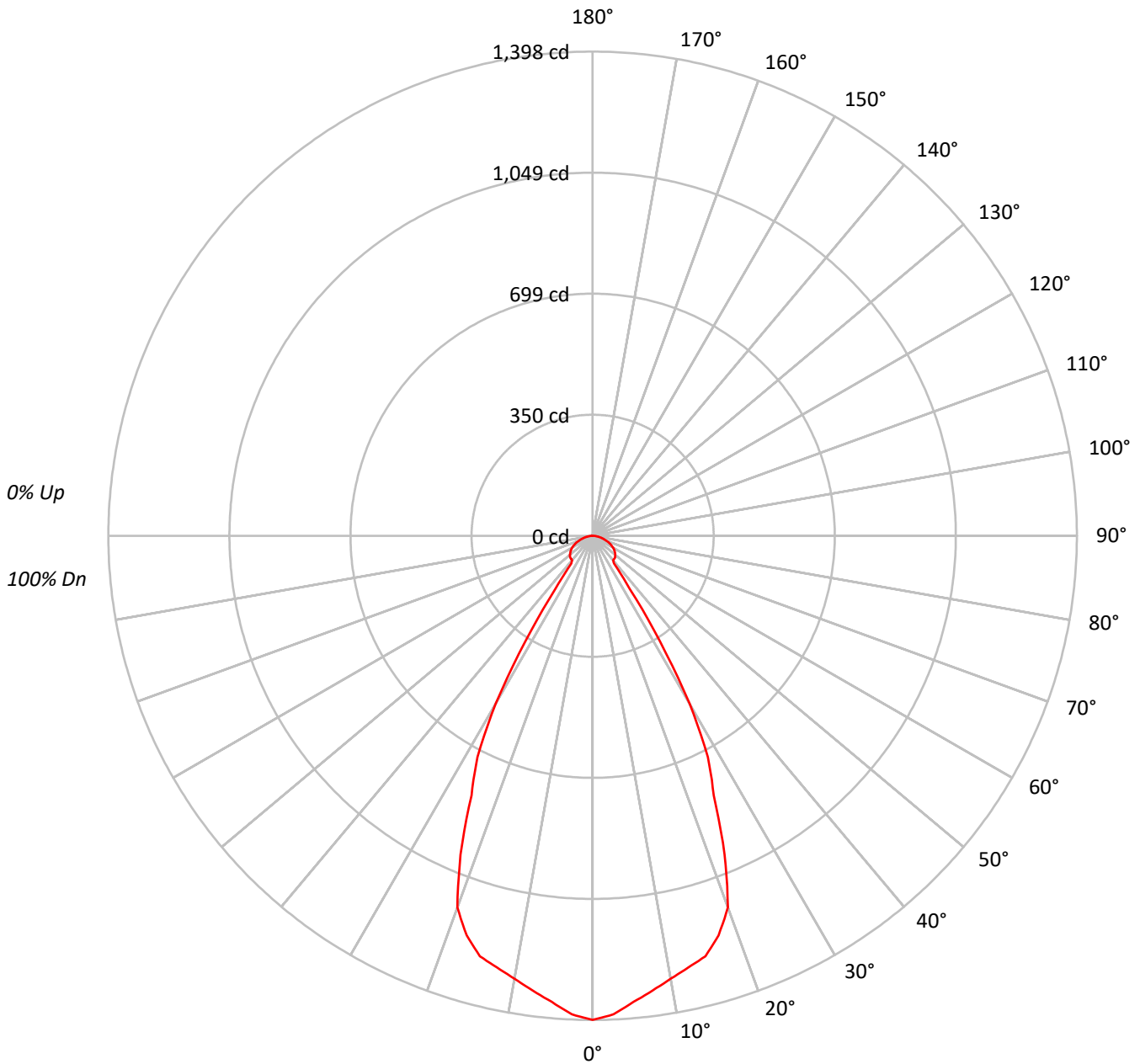
Downlight



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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	112	109	106	103	110	107	104	102	103	101	99	99	97	96	95	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83																			
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76																			
4	94	86	80	75	92	85	79	74	82	77	73	80	76	73	78	75	72	70																			
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	74	70	67	65																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61																			
7	80	70	64	59	79	70	64	59	68	63	59	67	62	59	66	62	58	57																			
8	77	66	60	56	75	66	60	56	65	59	55	64	59	55	63	58	55	53																			
9	73	63	57	52	72	62	56	52	61	56	52	60	55	52	60	55	52	50																			
10	70	59	53	49	69	59	53	49	58	53	49	57	52	49	57	52	49	48																			

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

	0°
0°	152725
5°	148186
10°	144064
15°	142174
20°	132760
25°	99736
30°	70513
35°	24969
40°	13136
45°	13984
50°	14482
55°	14763
60°	14859
65°	14530
70°	13705
75°	12707
80°	11263
85°	9151

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 57.5°  
 Luminance: 14865 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	127.4	10.2
10°-20°	349.6	28.1
20°-30°	385.0	31.0
30°-40°	147.1	11.8
40°-50°	69.4	5.6
50°-60°	69.1	5.6
60°-70°	55.3	4.4
70°-80°	31.8	2.6
80°-90°	8.6	0.7
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°	862.0	69.3
0°-40°	1009.1	81.2
0°-60°	1147.7	92.3
0°-90°	1243.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1243.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	1398	
5°	1351	127
15°	1257	350
25°	827	385
35°	187	147
45°	90	69
55°	78	69
65°	56	55
75°	30	32
85°	7	9
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	1397.8
2.5°	1383.2
5°	1351.1
7.5°	1324.4
10°	1298.5
12.5°	1276.6
15°	1256.9
17.5°	1209.3
20°	1141.8
22.5°	996.1
25°	827.3
27.5°	720.2
30°	558.9
32.5°	361.0
35°	187.2
37.5°	101.1
40°	92.1
42.5°	91.4
45°	90.5
47.5°	88.5
50°	85.2
52.5°	81.5
55°	77.5
57.5°	73.1
60°	68.0
62.5°	62.2
65°	56.2
67.5°	49.6
70°	42.9
72.5°	36.3
75°	30.1
77.5°	23.7
80°	17.9
82.5°	12.6
85°	7.3
87.5°	2.9
90°	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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Scaled Data Report



(END OF REPORT)