

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: P761219

Luminaire Tested: LD6D15D010-EU6DR300215IC9040-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P761219  
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-EU6DR300215IC9040-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1351.3 lumens  
Efficiency: N/A  
Efficacy: 85.5 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 (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

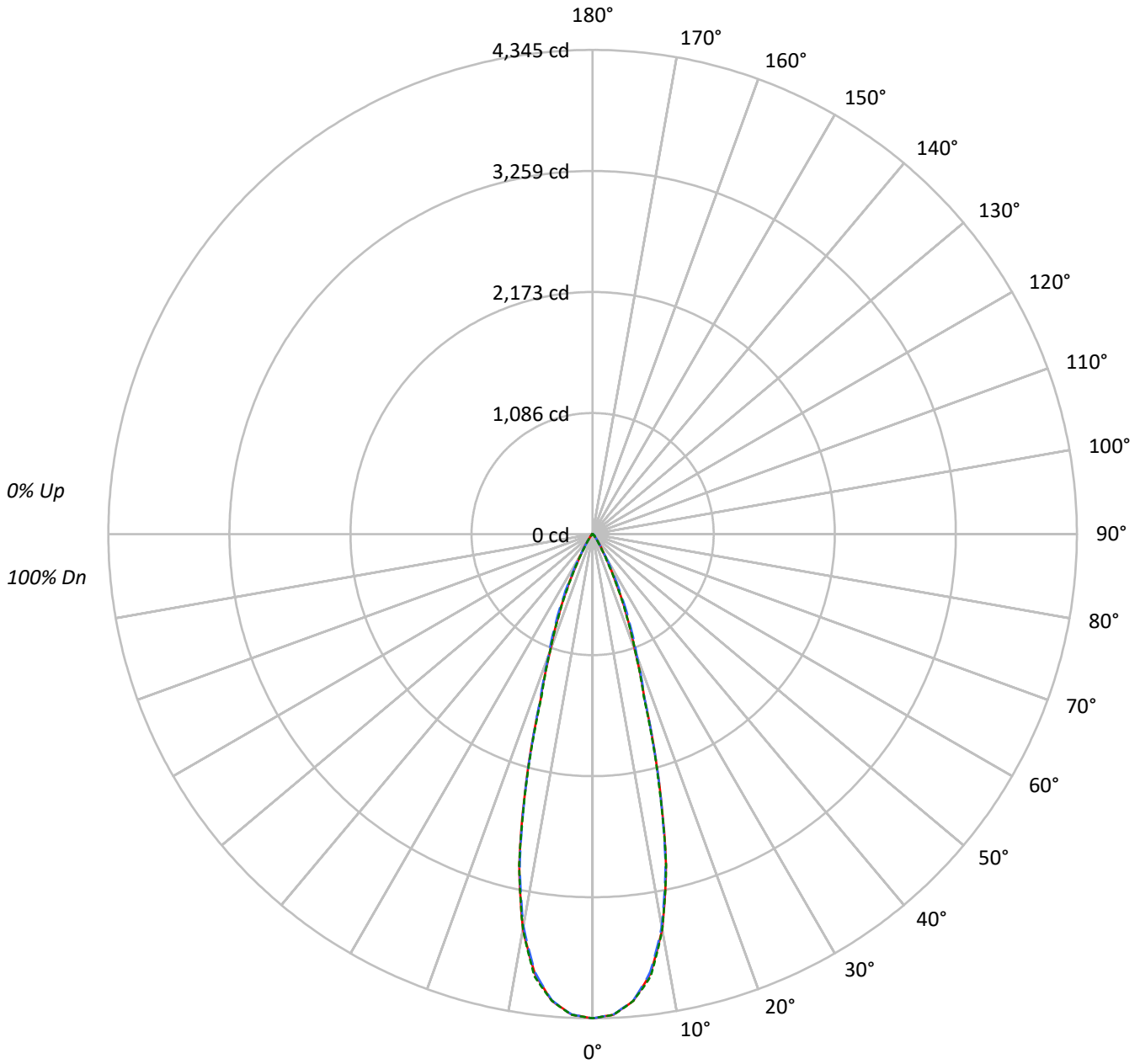


Downlight



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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	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°	332589	332589	332589
5°	323041	322664	323056
10°	279807	277833	279737
15°	182561	181579	180667
20°	90774	94187	90660
25°	45725	51561	44787
30°	18304	19948	15953
35°	8494	8129	6812
40°	3667	4067	3447
45°	2587	3215	2609
50°	881	2346	941
55°	507	974	547
60°	352	429	352
65°	235	235	235
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: 3215 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	382.1	28.3
10°-20°	615.4	45.5
20°-30°	265.9	19.7
30°-40°	60.6	4.5
40°-50°	20.8	1.5
50°-60°	5.1	0.4
60°-70°	1.3	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°	1263.3	93.5
0°-40°	1323.9	98.0
0°-60°	1349.8	99.9
0°-90°	1351.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1351.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4345	4345	4345	4345	4345	
5°	4204	4200	4199	4208	4204	382
15°	2304	2276	2291	2284	2280	617
25°	541	562	610	548	530	259
35°	91	93	87	86	73	62
45°	24	30	30	30	24	17
55°	4	4	7	4	4	4
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°	4345.1	4345.1	4345.1	4345.1	4345.1
2.5°	4316.3	4313.3	4315.0	4317.2	4318.0
5°	4204.3	4200.2	4199.4	4208.2	4204.5
7.5°	3978.4	3972.6	3963.9	3983.7	4002.3
10°	3600.0	3593.5	3574.6	3583.9	3599.1
12.5°	3041.2	3020.5	3020.1	3050.0	3045.9
15°	2303.8	2276.0	2291.4	2283.9	2279.9
17.5°	1549.2	1538.5	1559.0	1552.8	1526.2
20°	1114.4	1117.2	1156.3	1136.6	1113.0
22.5°	813.2	823.2	869.5	819.0	800.4
25°	541.4	561.9	610.5	547.6	530.3
27.5°	333.0	342.4	391.7	328.8	319.4
30°	207.1	202.4	225.7	193.7	180.5
32.5°	135.9	129.9	137.4	123.3	112.6
35°	90.9	92.8	87.0	86.4	72.9
37.5°	56.7	65.3	57.6	61.4	46.9
40°	36.7	47.4	40.7	45.0	34.5
42.5°	30.1	36.5	33.5	35.6	30.7
45°	23.9	29.7	29.7	29.7	24.1
47.5°	13.2	19.8	25.4	20.3	14.1
50°	7.4	10.0	19.7	10.4	7.9
52.5°	5.1	5.8	13.5	6.0	5.3
55°	3.8	4.1	7.3	4.2	4.1
57.5°	3.0	3.2	3.8	3.2	3.0
60°	2.3	2.3	2.8	2.6	2.3
62.5°	1.7	1.7	1.9	1.7	1.7
65°	1.3	1.3	1.3	1.3	1.3
67.5°	0.6	0.9	0.9	0.9	0.9
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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(END OF REPORT)