

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: P761977

Luminaire Tested: LD6D20D010-EU6DR1515309040-6LBCSSQMW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P761977  
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: LD6D20D010-EU6DR1515309040-6LBCSSQMW  
Description: 6 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 15° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1979.0 lumens  
Efficiency: N/A  
Efficacy: 85.7 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): 23.1  
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



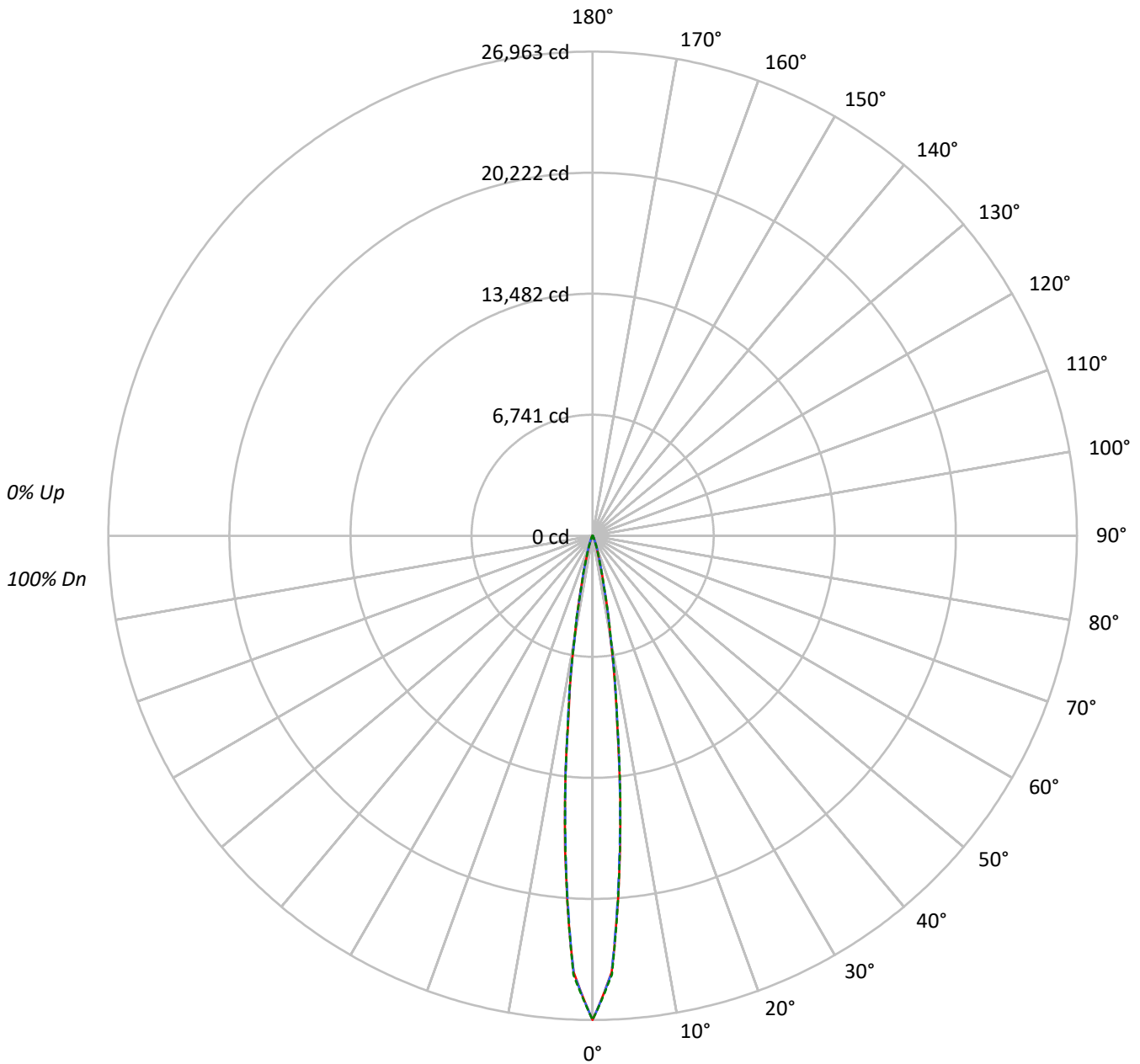
Downlight



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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	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°	3033898	3033898	3033898
5°	1782866	1759776	1773699
10°	532105	535828	544030
15°	132352	134932	130772
20°	39602	45853	40437
25°	13960	17785	14139
30°	5129	6754	5212
35°	2571	2905	2484
40°	1619	1782	1619
45°	1197	1281	1197
50°	953	953	953
55°	793	793	793
60°	639	639	639
65°	485	485	485
70°	417	417	417
75°	257	257	348
80°	181	181	181
85°	91	91	91

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1281 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1283.5	64.9
10°-20°	527.9	26.7
20°-30°	104.9	5.3
30°-40°	26.2	1.3
40°-50°	13.7	0.7
50°-60°	10.2	0.5
60°-70°	7.2	0.4
70°-80°	4.1	0.2
80°-90°	1.2	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°	1916.3	96.8
0°-40°	1942.5	98.2
0°-60°	1966.4	99.4
0°-90°	1979.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1979.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	26963	26963	26963	26963	26963	
5°	17543	17362	17316	17436	17453	1281
15°	1524	1552	1554	1526	1506	522
25°	179	203	228	202	182	94
35°	35	38	40	38	34	24
45°	17	17	18	17	17	13
55°	11	11	11	11	11	10
65°	7	7	7	7	7	7
75°	3	3	3	3	5	4
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°	26963.2	26963.2	26963.2	26963.2	26963.2
2.5°	24321.9	24342.5	24350.5	24374.4	24463.5
5°	17542.9	17362.5	17315.7	17435.6	17452.7
7.5°	10391.7	10428.2	10561.8	10591.5	10484.2
10°	5702.7	5749.5	5742.6	5783.7	5830.5
12.5°	2916.4	2879.9	2868.5	2915.3	2850.2
15°	1523.8	1552.4	1553.5	1526.1	1505.6
17.5°	819.6	852.7	907.4	862.9	794.4
20°	484.0	513.7	560.4	523.9	494.2
22.5°	299.1	323.0	356.1	327.6	303.6
25°	179.2	203.2	228.3	202.0	181.5
27.5°	106.2	126.7	142.7	125.6	105.0
30°	68.5	79.9	90.2	78.8	69.6
32.5°	47.9	52.5	57.1	52.5	47.9
35°	35.4	37.7	40.0	37.7	34.2
37.5°	27.4	29.7	30.8	28.5	26.3
40°	22.8	24.0	25.1	24.0	22.8
42.5°	19.4	20.5	20.5	20.5	19.4
45°	17.1	17.1	18.3	17.1	17.1
47.5°	14.8	14.8	16.0	14.8	14.8
50°	13.7	13.7	13.7	13.7	13.7
52.5°	12.6	12.6	12.6	12.6	12.6
55°	11.4	11.4	11.4	11.4	11.4
57.5°	10.3	10.3	10.3	10.3	10.3
60°	9.1	9.1	9.1	9.1	9.1
62.5°	8.0	8.0	8.0	8.0	8.0
65°	6.8	6.8	6.8	6.8	6.8
67.5°	6.8	6.8	6.8	6.8	6.8
70°	5.7	5.7	5.7	5.7	5.7
72.5°	4.6	4.6	4.6	4.6	4.6
75°	3.4	3.4	3.4	3.4	4.6
77.5°	3.4	3.4	3.4	3.4	3.4
80°	2.3	2.3	2.3	2.3	2.3
82.5°	2.3	2.3	2.3	2.3	2.3
85°	1.1	1.1	1.1	1.1	1.1
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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