

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: P761987

Luminaire Tested: LD6D20D010-EU6DR1515309040-6LBSQW1MW

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P761987  
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-EU6DR1515309040-6LBSQW1MW  
Description: 6 INCH SQAURE DEEP 45° CUTOFF 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: 1908.5 lumens  
Efficiency: N/A  
Efficacy: 82.6 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



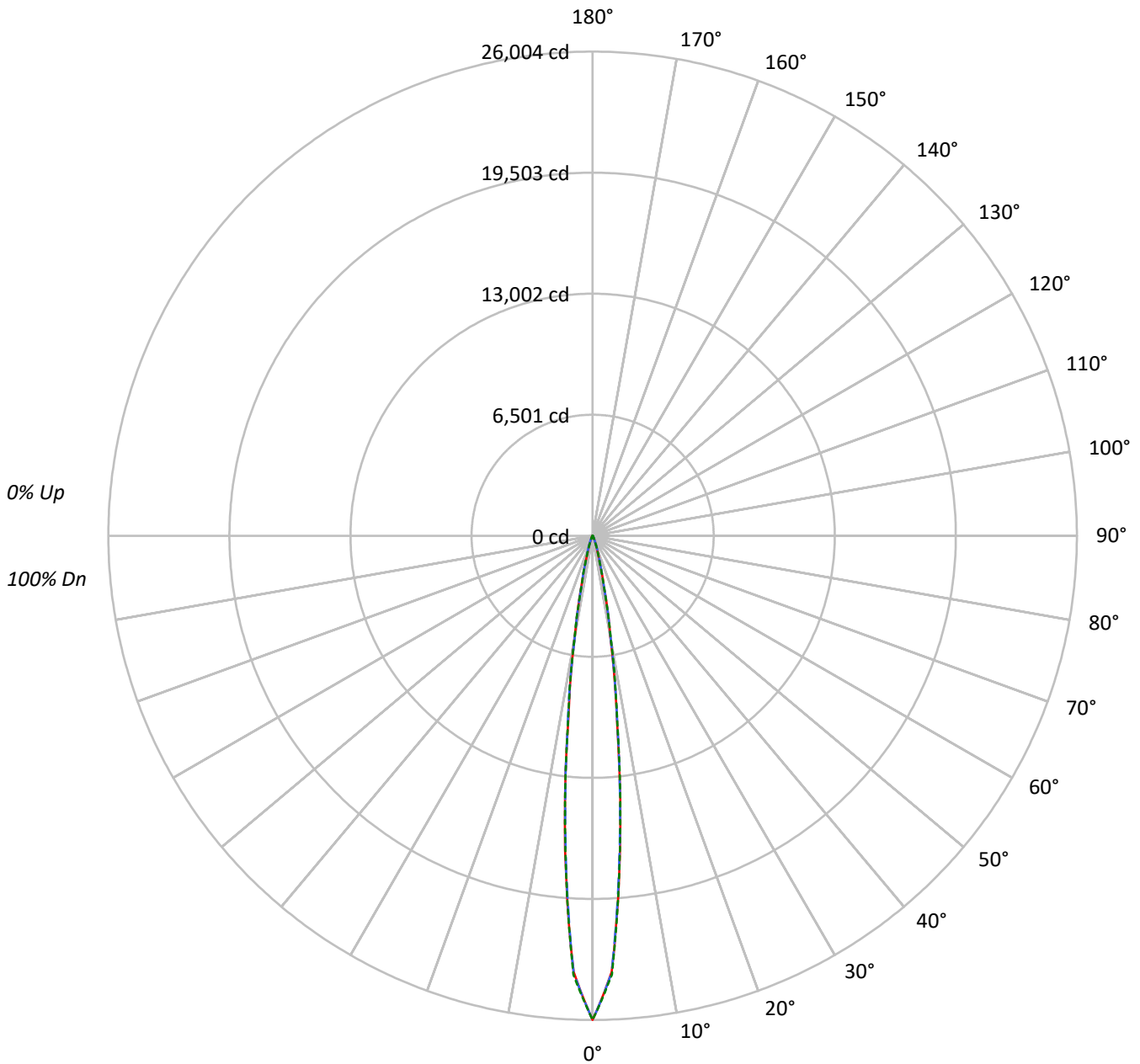
Downlight



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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°	2925912	2925912	2925912
5°	1719398	1697142	1710567
10°	513164	516756	524669
15°	127645	130129	126116
20°	38187	44225	39005
25°	13461	17154	13633
30°	4942	6515	5025
35°	2476	2796	2396
40°	1562	1719	1562
45°	1155	1232	1155
50°	918	918	918
55°	766	766	766
60°	618	618	618
65°	471	471	471
70°	402	402	402
75°	249	249	333
80°	173	173	173
85°	91	91	91

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1232 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1237.8	64.9
10°-20°	509.1	26.7
20°-30°	101.1	5.3
30°-40°	25.2	1.3
40°-50°	13.3	0.7
50°-60°	9.8	0.5
60°-70°	6.9	0.4
70°-80°	4.0	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°	1848.1	96.8
0°-40°	1873.3	98.2
0°-60°	1896.4	99.4
0°-90°	1908.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1908.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	26004	26004	26004	26004	26004	
5°	16918	16744	16699	16815	16832	1235
15°	1470	1497	1498	1472	1452	504
25°	173	196	220	195	175	91
35°	34	36	38	36	33	23
45°	16	16	18	16	16	13
55°	11	11	11	11	11	10
65°	7	7	7	7	7	7
75°	3	3	3	3	4	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°	26003.5	26003.5	26003.5	26003.5	26003.5
2.5°	23456.2	23476.0	23483.7	23506.8	23592.7
5°	16918.4	16744.5	16699.4	16815.0	16831.5
7.5°	10021.8	10057.1	10185.8	10214.5	10111.0
10°	5499.7	5544.8	5538.2	5577.8	5623.0
12.5°	2812.6	2777.4	2766.3	2811.5	2748.7
15°	1469.6	1497.1	1498.2	1471.8	1452.0
17.5°	790.4	822.3	875.1	832.2	766.2
20°	466.7	495.4	540.5	505.3	476.7
22.5°	288.4	311.5	343.5	315.9	292.8
25°	172.8	195.9	220.2	194.8	175.0
27.5°	102.4	122.2	137.6	121.1	101.3
30°	66.0	77.1	87.0	76.0	67.1
32.5°	46.2	50.6	55.0	50.6	46.2
35°	34.1	36.3	38.5	36.3	33.0
37.5°	26.4	28.6	29.7	27.5	25.3
40°	22.0	23.1	24.2	23.1	22.0
42.5°	18.7	19.8	19.8	19.8	18.7
45°	16.5	16.5	17.6	16.5	16.5
47.5°	14.3	14.3	15.4	14.3	14.3
50°	13.2	13.2	13.2	13.2	13.2
52.5°	12.1	12.1	12.1	12.1	12.1
55°	11.0	11.0	11.0	11.0	11.0
57.5°	9.9	9.9	9.9	9.9	9.9
60°	8.8	8.8	8.8	8.8	8.8
62.5°	7.7	7.7	7.7	7.7	7.7
65°	6.6	6.6	6.6	6.6	6.6
67.5°	6.6	6.6	6.6	6.6	6.6
70°	5.5	5.5	5.5	5.5	5.5
72.5°	4.4	4.4	4.4	4.4	4.4
75°	3.3	3.3	3.3	3.3	4.4
77.5°	3.3	3.3	3.3	3.3	3.3
80°	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	2.2	2.2	2.2	2.2
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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