

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: P761956

Luminaire Tested: LD6D20D010-EU6DR1515309030-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761956
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-EU6DR1515309030-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1913.4 lumens
Efficiency: N/A
Efficacy: 82.8 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



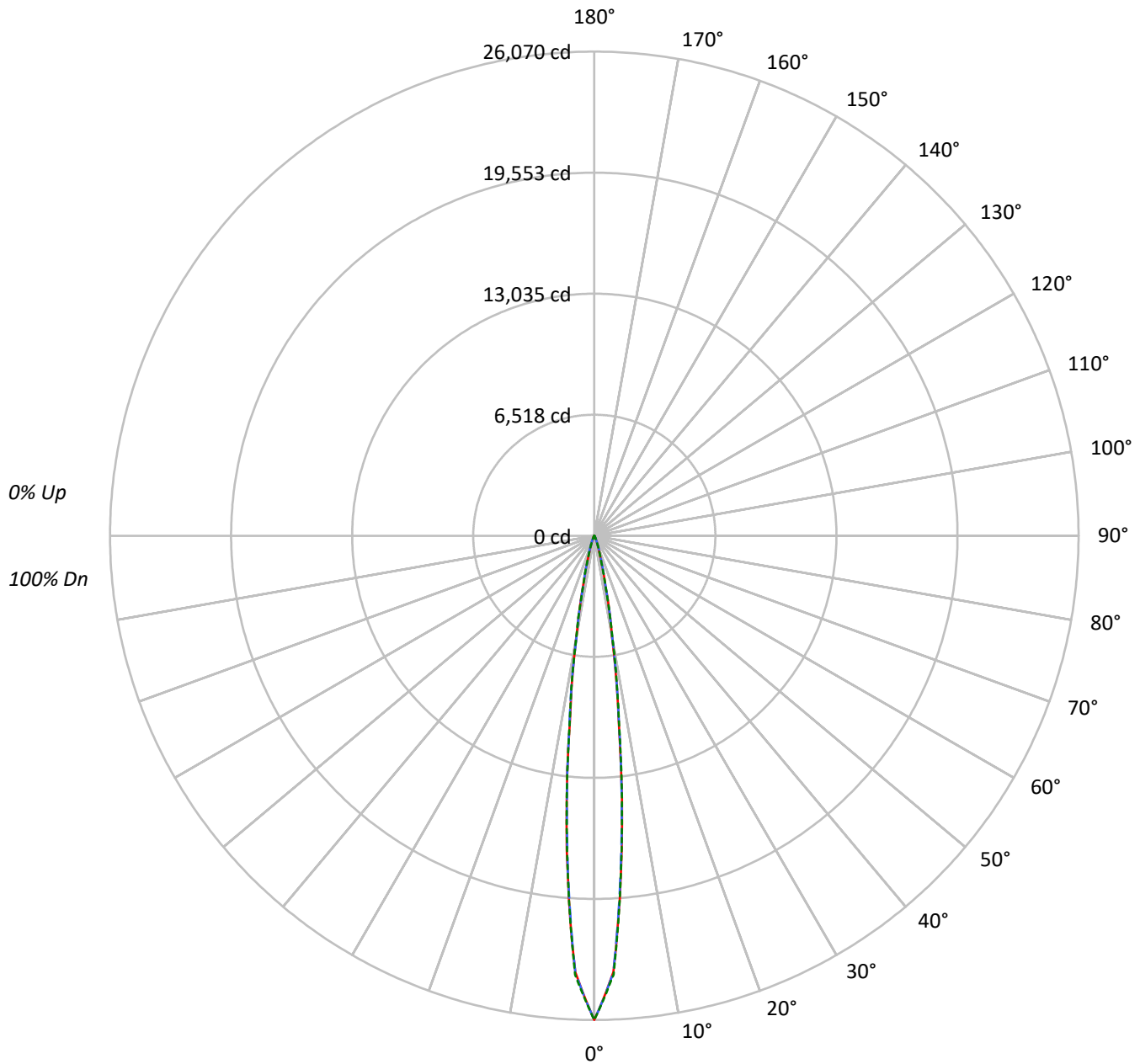
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10		50	30	10		50	30	10		50	30	10
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111		106	106	106		102	102	102
1	116	114	112	111	113	112	110	109		108	107	106		104	103	103		101	100	100
2	113	110	107	105	111	108	106	104		105	103	102		102	101	100		100	98	98
3	110	106	103	101	108	105	102	100		103	100	99		100	99	97		98	97	96
4	108	103	100	98	106	102	99	97		100	98	96		99	97	95		97	95	94
5	106	101	98	95	104	100	97	95		98	96	94		97	95	93		96	94	92
6	104	99	95	93	102	98	95	93		97	94	92		96	93	92		95	93	91
7	102	97	94	91	101	96	93	91		95	93	91		94	92	90		93	91	90
8	100	95	92	90	99	95	92	90		94	91	89		93	91	89		92	90	89
9	99	93	90	88	98	93	90	88		92	90	88		92	89	88		91	89	88
10	97	92	89	87	96	92	89	87		91	89	87		91	88	87		90	88	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2933440	2933440	2933440
5°	1723829	1701512	1714967
10°	514479	518090	526012
15°	127975	130468	126438
20°	38285	44340	39103
25°	13500	17193	13672
30°	4957	6530	5040
35°	2484	2803	2404
40°	1569	1726	1569
45°	1162	1239	1162
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: 1239 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1241.0	64.9
10°-20°	510.5	26.7
20°-30°	101.4	5.3
30°-40°	25.3	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°	1852.9	96.8
0°-40°	1878.2	98.2
0°-60°	1901.3	99.4
0°-90°	1913.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1913.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	26070	26070	26070	26070	26070	
5°	16962	16788	16742	16858	16875	1239
15°	1473	1501	1502	1476	1456	505
25°	173	196	221	195	176	91
35°	34	36	39	36	33	23
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	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°	26070.4	26070.4	26070.4	26070.4	26070.4
2.5°	23516.6	23536.4	23544.2	23567.4	23653.4
5°	16962.0	16787.6	16742.4	16858.3	16874.8
7.5°	10047.6	10083.0	10212.1	10240.8	10137.0
10°	5513.8	5559.1	5552.5	5592.2	5637.4
12.5°	2819.8	2784.5	2773.5	2818.7	2755.8
15°	1473.4	1501.0	1502.1	1475.6	1455.7
17.5°	792.4	824.4	877.4	834.4	768.1
20°	467.9	496.6	541.9	506.6	477.9
22.5°	289.2	312.3	344.3	316.7	293.6
25°	173.3	196.4	220.7	195.3	175.5
27.5°	102.6	122.5	138.0	121.4	101.5
30°	66.2	77.3	87.2	76.2	67.3
32.5°	46.4	50.8	55.2	50.8	46.4
35°	34.2	36.4	38.6	36.4	33.1
37.5°	26.5	28.7	29.8	27.6	25.4
40°	22.1	23.2	24.3	23.2	22.1
42.5°	18.8	19.9	19.9	19.9	18.8
45°	16.6	16.6	17.7	16.6	16.6
47.5°	14.3	14.3	15.5	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



Report Generated By 670245859 / DESKTOP-T8S5UU9





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)