

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: P761958

Luminaire Tested: LD6D20D010-EU6DR1515309030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761958
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-EU6DR1515309030-6LBS1LI
Description: 6 INCH ROUND SHALLOW SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2140.6 lumens
Efficiency: N/A
Efficacy: 92.7 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 (A_{in}): 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



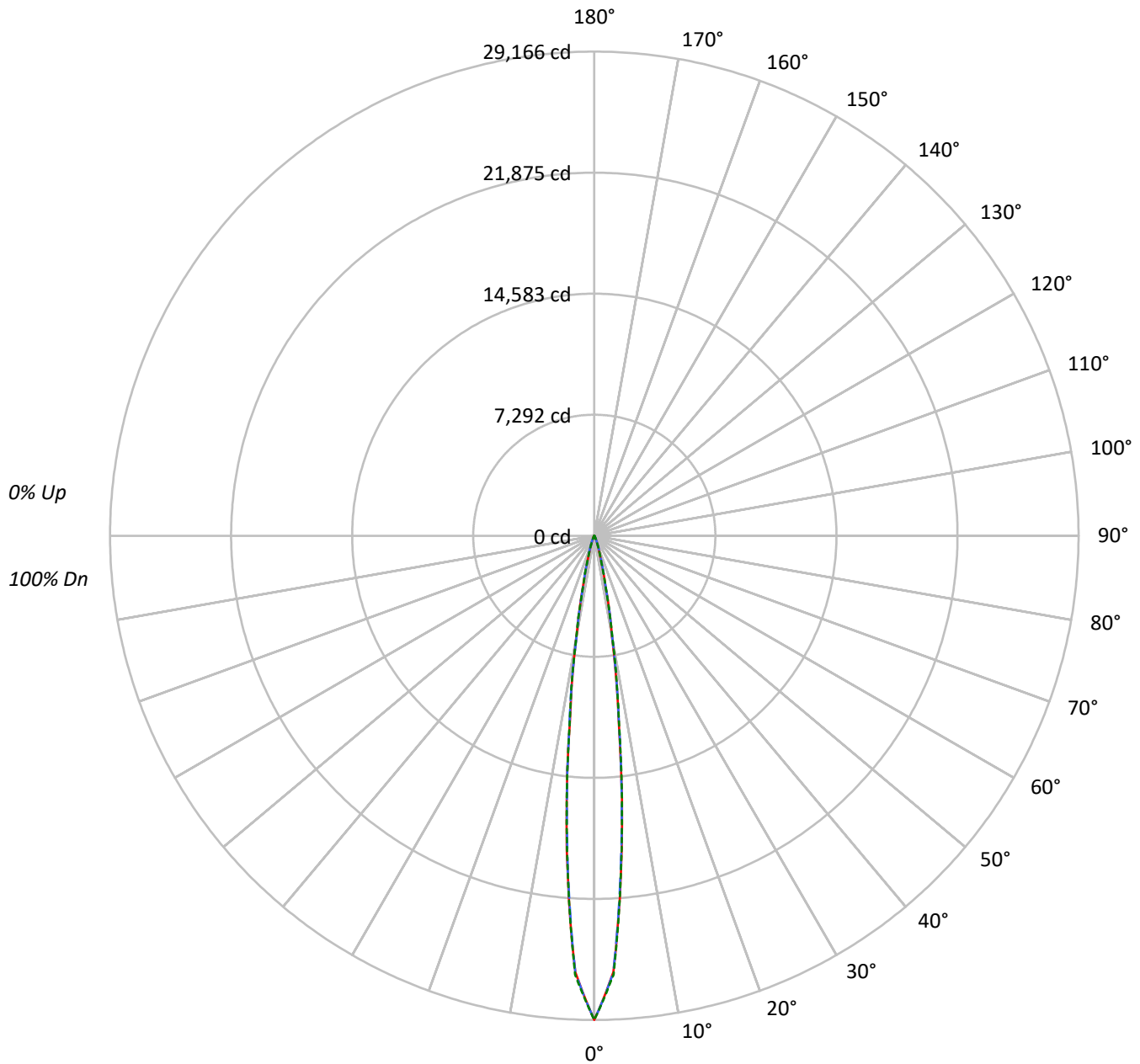
Downlight



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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					0
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°	3281779	3281779	3281779
5°	1928530	1903560	1918622
10°	575577	579608	588482
15°	143166	145954	141455
20°	42834	49601	43742
25°	15097	19234	15292
30°	5549	7301	5639
35°	2781	3137	2687
40°	1754	1932	1754
45°	1295	1386	1295
50°	1029	1029	1029
55°	856	856	856
60°	695	695	695
65°	528	528	528
70°	453	453	453
75°	280	280	370
80°	197	197	197
85°	100	100	100

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1386 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1388.4	64.9
10°-20°	571.1	26.7
20°-30°	113.4	5.3
30°-40°	28.3	1.3
40°-50°	14.9	0.7
50°-60°	11.0	0.5
60°-70°	7.8	0.4
70°-80°	4.4	0.2
80°-90°	1.3	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°	2072.9	96.8
0°-40°	2101.2	98.2
0°-60°	2127.1	99.4
0°-90°	2140.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2140.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	29166	29166	29166	29166	29166	
5°	18976	18781	18730	18860	18879	1386
15°	1648	1679	1680	1651	1629	565
25°	194	220	247	218	196	102
35°	38	41	43	41	37	26
45°	18	18	20	18	18	14
55°	12	12	12	12	12	11
65°	7	7	7	7	7	8
75°	4	4	4	4	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°	29166.2	29166.2	29166.2	29166.2	29166.2
2.5°	26309.1	26331.3	26340.0	26365.9	26462.2
5°	18976.2	18781.1	18730.5	18860.1	18878.7
7.5°	11240.8	11280.3	11424.7	11456.8	11340.8
10°	6168.6	6219.2	6211.8	6256.3	6306.9
12.5°	3154.7	3115.2	3102.8	3153.4	3083.1
15°	1648.3	1679.2	1680.4	1650.8	1628.6
17.5°	886.5	922.3	981.6	933.4	859.4
20°	523.5	555.6	606.2	566.7	534.6
22.5°	323.5	349.4	385.2	354.4	328.4
25°	193.8	219.8	246.9	218.5	196.3
27.5°	114.8	137.1	154.3	135.8	113.6
30°	74.1	86.4	97.5	85.2	75.3
32.5°	51.9	56.8	61.7	56.8	51.9
35°	38.3	40.7	43.2	40.7	37.0
37.5°	29.6	32.1	33.3	30.9	28.4
40°	24.7	25.9	27.2	25.9	24.7
42.5°	21.0	22.2	22.2	22.2	21.0
45°	18.5	18.5	19.8	18.5	18.5
47.5°	16.1	16.1	17.3	16.1	16.1
50°	14.8	14.8	14.8	14.8	14.8
52.5°	13.6	13.6	13.6	13.6	13.6
55°	12.3	12.3	12.3	12.3	12.3
57.5°	11.1	11.1	11.1	11.1	11.1
60°	9.9	9.9	9.9	9.9	9.9
62.5°	8.6	8.6	8.6	8.6	8.6
65°	7.4	7.4	7.4	7.4	7.4
67.5°	7.4	7.4	7.4	7.4	7.4
70°	6.2	6.2	6.2	6.2	6.2
72.5°	4.9	4.9	4.9	4.9	4.9
75°	3.7	3.7	3.7	3.7	4.9
77.5°	3.7	3.7	3.7	3.7	3.7
80°	2.5	2.5	2.5	2.5	2.5
82.5°	2.5	2.5	2.5	2.5	2.5
85°	1.2	1.2	1.2	1.2	1.2
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)