

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: P761983

Luminaire Tested: LD6D20D010-EU6DR1515309040-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761983
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-EU6DR1515309040-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2211.8 lumens
Efficiency: N/A
Efficacy: 95.7 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



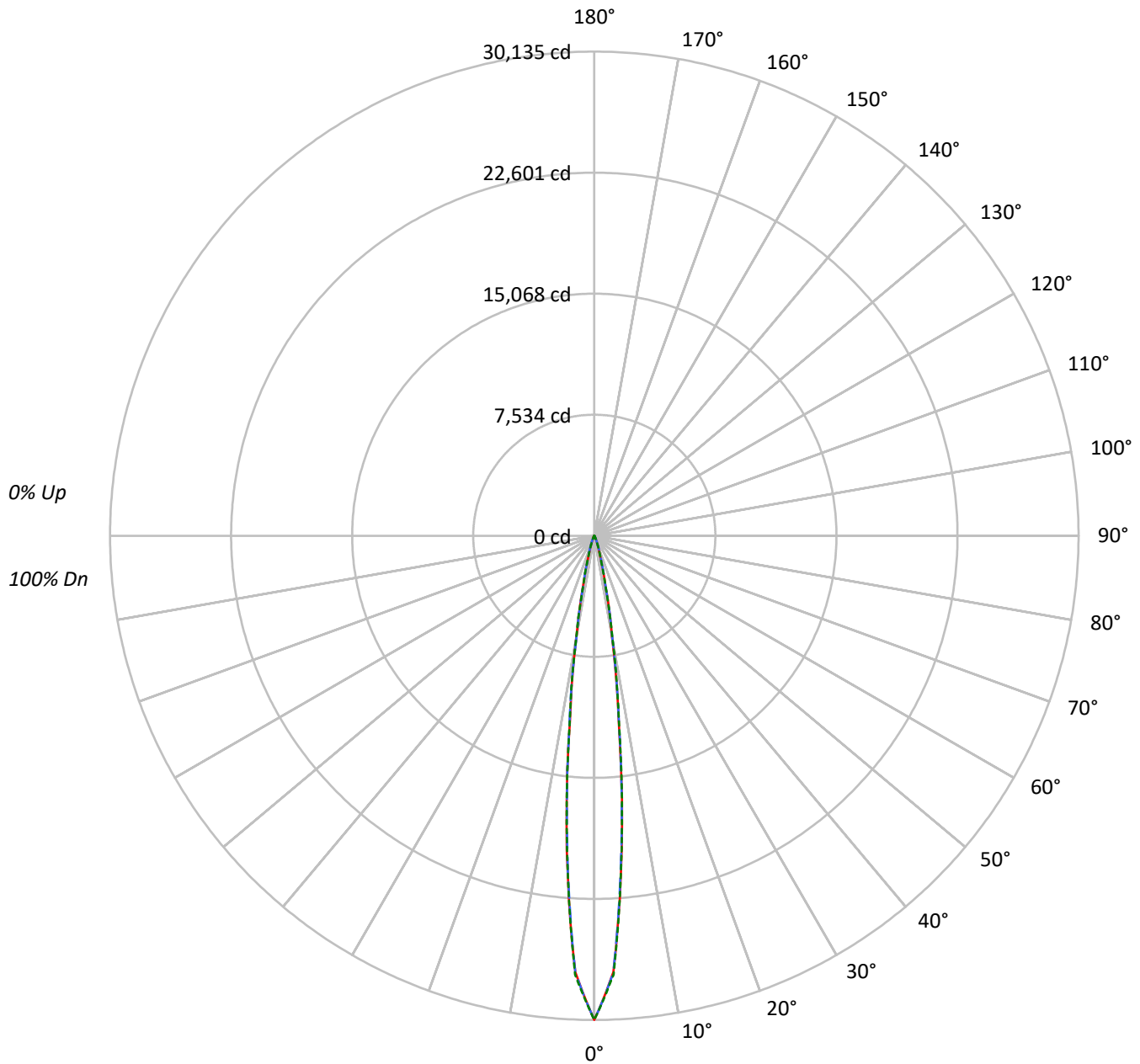
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					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	87
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°	3390755	3390755	3390755
5°	1992567	1966763	1982323
10°	594687	598857	608020
15°	147926	150801	146154
20°	44258	51254	45199
25°	15604	19872	15798
30°	5728	7548	5826
35°	2868	3239	2781
40°	1811	1996	1811
45°	1337	1428	1337
50°	1064	1064	1064
55°	891	891	891
60°	716	716	716
65°	550	550	550
70°	468	468	468
75°	287	287	385
80°	205	205	205
85°	108	108	108

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1428 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1434.5	64.9
10°-20°	590.0	26.7
20°-30°	117.2	5.3
30°-40°	29.2	1.3
40°-50°	15.4	0.7
50°-60°	11.4	0.5
60°-70°	8.1	0.4
70°-80°	4.6	0.2
80°-90°	1.4	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°	2141.7	96.8
0°-40°	2170.9	98.2
0°-60°	2197.7	99.4
0°-90°	2211.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2211.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	30135	30135	30135	30135	30135	
5°	19606	19405	19352	19486	19506	1432
15°	1703	1735	1736	1706	1683	584
25°	200	227	255	226	203	105
35°	40	42	45	42	38	27
45°	19	19	20	19	19	15
55°	13	13	13	13	13	11
65°	8	8	8	8	8	8
75°	4	4	4	4	5	5
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°	30134.7	30134.7	30134.7	30134.7	30134.7
2.5°	27182.7	27205.7	27214.6	27241.4	27340.9
5°	19606.3	19404.7	19352.4	19486.4	19505.5
7.5°	11614.0	11654.8	11804.1	11837.3	11717.3
10°	6373.4	6425.7	6418.1	6464.0	6516.3
12.5°	3259.4	3218.6	3205.8	3258.1	3185.4
15°	1703.1	1735.0	1736.2	1705.6	1682.7
17.5°	916.0	953.0	1014.2	964.4	887.9
20°	540.9	574.1	626.4	585.5	552.4
22.5°	334.2	361.0	398.0	366.1	339.3
25°	200.3	227.1	255.1	225.8	202.8
27.5°	118.6	141.6	159.5	140.3	117.4
30°	76.5	89.3	100.8	88.0	77.8
32.5°	53.6	58.7	63.8	58.7	53.6
35°	39.5	42.1	44.6	42.1	38.3
37.5°	30.6	33.2	34.4	31.9	29.3
40°	25.5	26.8	28.1	26.8	25.5
42.5°	21.7	23.0	23.0	23.0	21.7
45°	19.1	19.1	20.4	19.1	19.1
47.5°	16.6	16.6	17.9	16.6	16.6
50°	15.3	15.3	15.3	15.3	15.3
52.5°	14.0	14.0	14.0	14.0	14.0
55°	12.8	12.8	12.8	12.8	12.8
57.5°	11.5	11.5	11.5	11.5	11.5
60°	10.2	10.2	10.2	10.2	10.2
62.5°	8.9	8.9	8.9	8.9	8.9
65°	7.7	7.7	7.7	7.7	7.7
67.5°	7.7	7.7	7.7	7.7	7.7
70°	6.4	6.4	6.4	6.4	6.4
72.5°	5.1	5.1	5.1	5.1	5.1
75°	3.8	3.8	3.8	3.8	5.1
77.5°	3.8	3.8	3.8	3.8	3.8
80°	2.6	2.6	2.6	2.6	2.6
82.5°	2.6	2.6	2.6	2.6	2.6
85°	1.3	1.3	1.3	1.3	1.3
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)