

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: P763842

Luminaire Tested: LD6D30D010-EU6DR1515309035-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763842
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: LD6D30D010-EU6DR1515309035-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3576.8 lumens
Efficiency: N/A
Efficacy: 123.3 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): 29
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



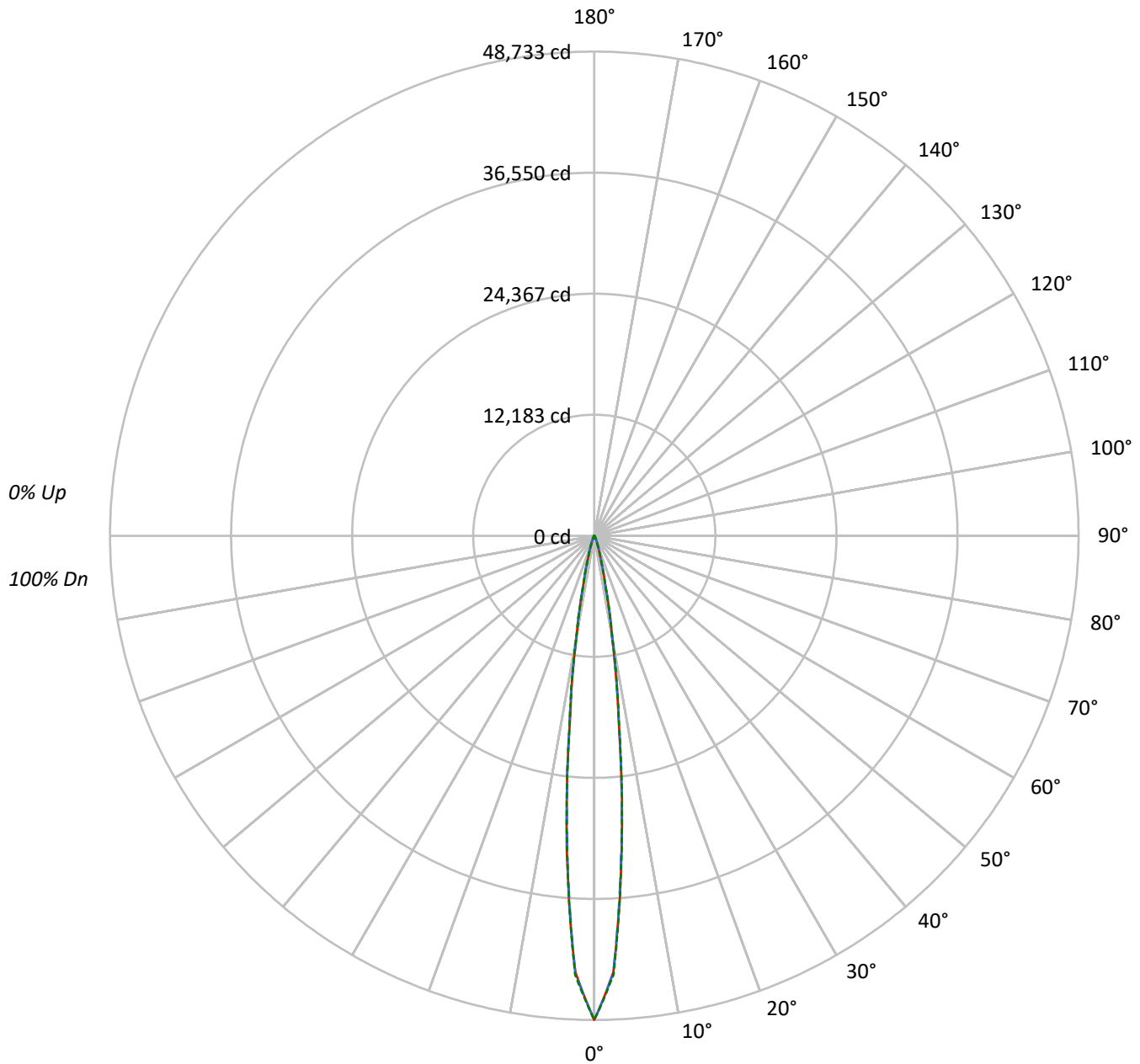
Downlight



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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°	5483435	5483435	5483435
5°	3222327	3180599	3205762
10°	961712	968449	983275
15°	239212	243877	236346
20°	71570	82878	73092
25°	25232	32142	25551
30°	9270	12206	9420
35°	4648	5243	4495
40°	2933	3224	2933
45°	2163	2310	2163
50°	1725	1725	1725
55°	1434	1434	1434
60°	1158	1158	1158
65°	885	885	885
70°	753	753	753
75°	469	469	627
80°	323	323	323
85°	174	174	174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2310 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2319.8	64.9
10°-20°	954.2	26.7
20°-30°	189.5	5.3
30°-40°	47.3	1.3
40°-50°	24.9	0.7
50°-60°	18.4	0.5
60°-70°	13.0	0.4
70°-80°	7.4	0.2
80°-90°	2.2	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°	3463.5	96.8
0°-40°	3510.8	98.2
0°-60°	3554.1	99.4
0°-90°	3576.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3576.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	48733	48733	48733	48733	48733	
5°	31707	31381	31296	31513	31544	2315
15°	2754	2806	2808	2758	2721	944
25°	324	367	413	365	328	170
35°	64	68	72	68	62	43
45°	31	31	33	31	31	24
55°	21	21	21	21	21	18
65°	12	12	12	12	12	13
75°	6	6	6	6	8	7
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	48733.0	48733.0	48733.0	48733.0	48733.0
2.5°	43959.1	43996.2	44010.7	44054.0	44214.9
5°	31706.8	31380.8	31296.2	31512.8	31543.8
7.5°	18781.9	18847.9	19089.2	19142.9	18949.0
10°	10306.9	10391.5	10379.1	10453.4	10538.0
12.5°	5271.0	5205.0	5184.4	5269.0	5151.4
15°	2754.1	2805.7	2807.8	2758.3	2721.1
17.5°	1481.3	1541.1	1640.1	1559.7	1435.9
20°	874.7	928.4	1012.9	946.9	893.3
22.5°	540.5	583.8	643.7	592.1	548.8
25°	323.9	367.2	412.6	365.2	328.0
27.5°	191.9	229.0	257.9	226.9	189.8
30°	123.8	144.4	163.0	142.3	125.8
32.5°	86.6	94.9	103.2	94.9	86.6
35°	64.0	68.1	72.2	68.1	61.9
37.5°	49.5	53.6	55.7	51.6	47.4
40°	41.3	43.3	45.4	43.3	41.3
42.5°	35.1	37.1	37.1	37.1	35.1
45°	30.9	30.9	33.0	30.9	30.9
47.5°	26.8	26.8	28.9	26.8	26.8
50°	24.8	24.8	24.8	24.8	24.8
52.5°	22.7	22.7	22.7	22.7	22.7
55°	20.6	20.6	20.6	20.6	20.6
57.5°	18.6	18.6	18.6	18.6	18.6
60°	16.5	16.5	16.5	16.5	16.5
62.5°	14.4	14.4	14.4	14.4	14.4
65°	12.4	12.4	12.4	12.4	12.4
67.5°	12.4	12.4	12.4	12.4	12.4
70°	10.3	10.3	10.3	10.3	10.3
72.5°	8.3	8.3	8.3	8.3	8.3
75°	6.2	6.2	6.2	6.2	8.3
77.5°	6.2	6.2	6.2	6.2	6.2
80°	4.1	4.1	4.1	4.1	4.1
82.5°	4.1	4.1	4.1	4.1	4.1
85°	2.1	2.1	2.1	2.1	2.1
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)