

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: P763868

Luminaire Tested: LD6D30D010-EU6DR1515309050-6LBS1H

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763868
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-EU6DR1515309050-6LBS1H
Description: 6 INCH ROUND SHALLOW SEMI-SPECULAR CLEAR TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3632.4 lumens
Efficiency: N/A
Efficacy: 125.3 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



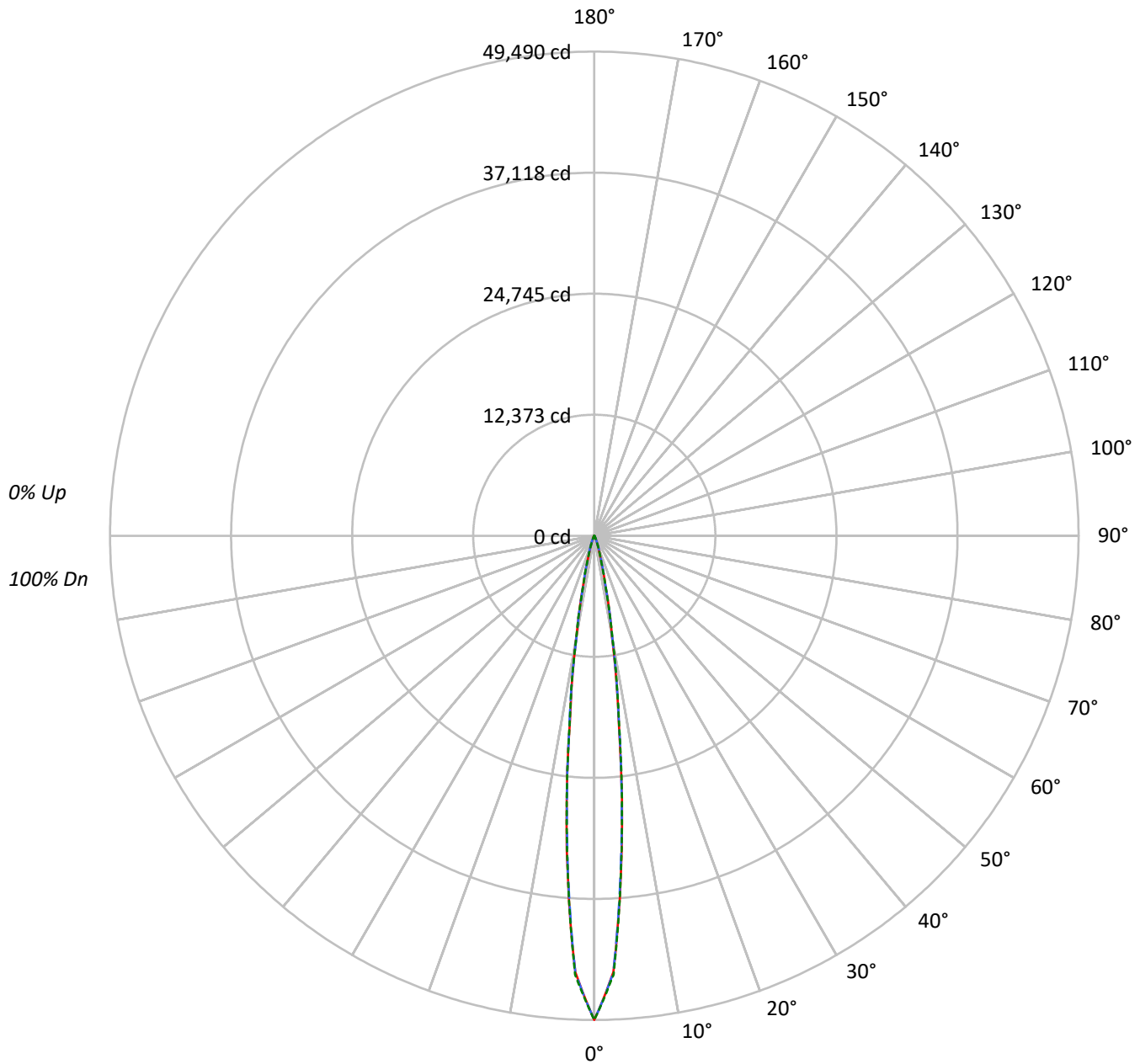
Downlight



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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°	5568601	5568601	5568601
5°	3272369	3230000	3255550
10°	976651	983490	998541
15°	242930	247664	240020
20°	72683	84171	74230
25°	25622	32640	25949
30°	9413	12393	9570
35°	4713	5323	4568
40°	2976	3274	2976
45°	2198	2345	2198
50°	1745	1745	1745
55°	1462	1462	1462
60°	1180	1180	1180
65°	899	899	899
70°	768	768	768
75°	476	476	635
80°	331	331	331
85°	174	174	174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2345 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2355.8	64.9
10°-20°	969.0	26.7
20°-30°	192.5	5.3
30°-40°	48.0	1.3
40°-50°	25.2	0.7
50°-60°	18.7	0.5
60°-70°	13.3	0.4
70°-80°	7.5	0.2
80°-90°	2.3	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°	3517.3	96.8
0°-40°	3565.3	98.2
0°-60°	3609.3	99.4
0°-90°	3632.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3632.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	49490	49490	49490	49490	49490	
5°	32199	31868	31782	32002	32034	2351
15°	2797	2849	2851	2801	2763	959
25°	329	373	419	371	333	173
35°	65	69	73	69	63	44
45°	31	31	34	31	31	25
55°	21	21	21	21	21	19
65°	13	13	13	13	13	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°	49489.9	49489.9	49489.9	49489.9	49489.9
2.5°	44641.9	44679.6	44694.2	44738.2	44901.7
5°	32199.2	31868.2	31782.3	32002.3	32033.7
7.5°	19073.6	19140.6	19385.7	19440.2	19243.3
10°	10467.0	10552.9	10540.3	10615.7	10701.6
12.5°	5352.9	5285.9	5264.9	5350.8	5231.4
15°	2796.9	2849.3	2851.4	2801.1	2763.4
17.5°	1504.3	1565.0	1665.6	1583.9	1458.2
20°	888.3	942.8	1028.7	961.6	907.2
22.5°	548.9	592.9	653.7	601.3	557.3
25°	328.9	372.9	419.0	370.8	333.1
27.5°	194.8	232.6	261.9	230.5	192.7
30°	125.7	146.7	165.5	144.6	127.8
32.5°	88.0	96.4	104.8	96.4	88.0
35°	64.9	69.1	73.3	69.1	62.9
37.5°	50.3	54.5	56.6	52.4	48.2
40°	41.9	44.0	46.1	44.0	41.9
42.5°	35.6	37.7	37.7	37.7	35.6
45°	31.4	31.4	33.5	31.4	31.4
47.5°	27.2	27.2	29.3	27.2	27.2
50°	25.1	25.1	25.1	25.1	25.1
52.5°	23.0	23.0	23.0	23.0	23.0
55°	21.0	21.0	21.0	21.0	21.0
57.5°	18.9	18.9	18.9	18.9	18.9
60°	16.8	16.8	16.8	16.8	16.8
62.5°	14.7	14.7	14.7	14.7	14.7
65°	12.6	12.6	12.6	12.6	12.6
67.5°	12.6	12.6	12.6	12.6	12.6
70°	10.5	10.5	10.5	10.5	10.5
72.5°	8.4	8.4	8.4	8.4	8.4
75°	6.3	6.3	6.3	6.3	8.4
77.5°	6.3	6.3	6.3	6.3	6.3
80°	4.2	4.2	4.2	4.2	4.2
82.5°	4.2	4.2	4.2	4.2	4.2
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)