

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: P763830

Luminaire Tested: LD6D30D010-EU6DR1515309030-6LBS1LI

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763830
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-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: 3557.6 lumens
Efficiency: N/A
Efficacy: 122.7 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): 29
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



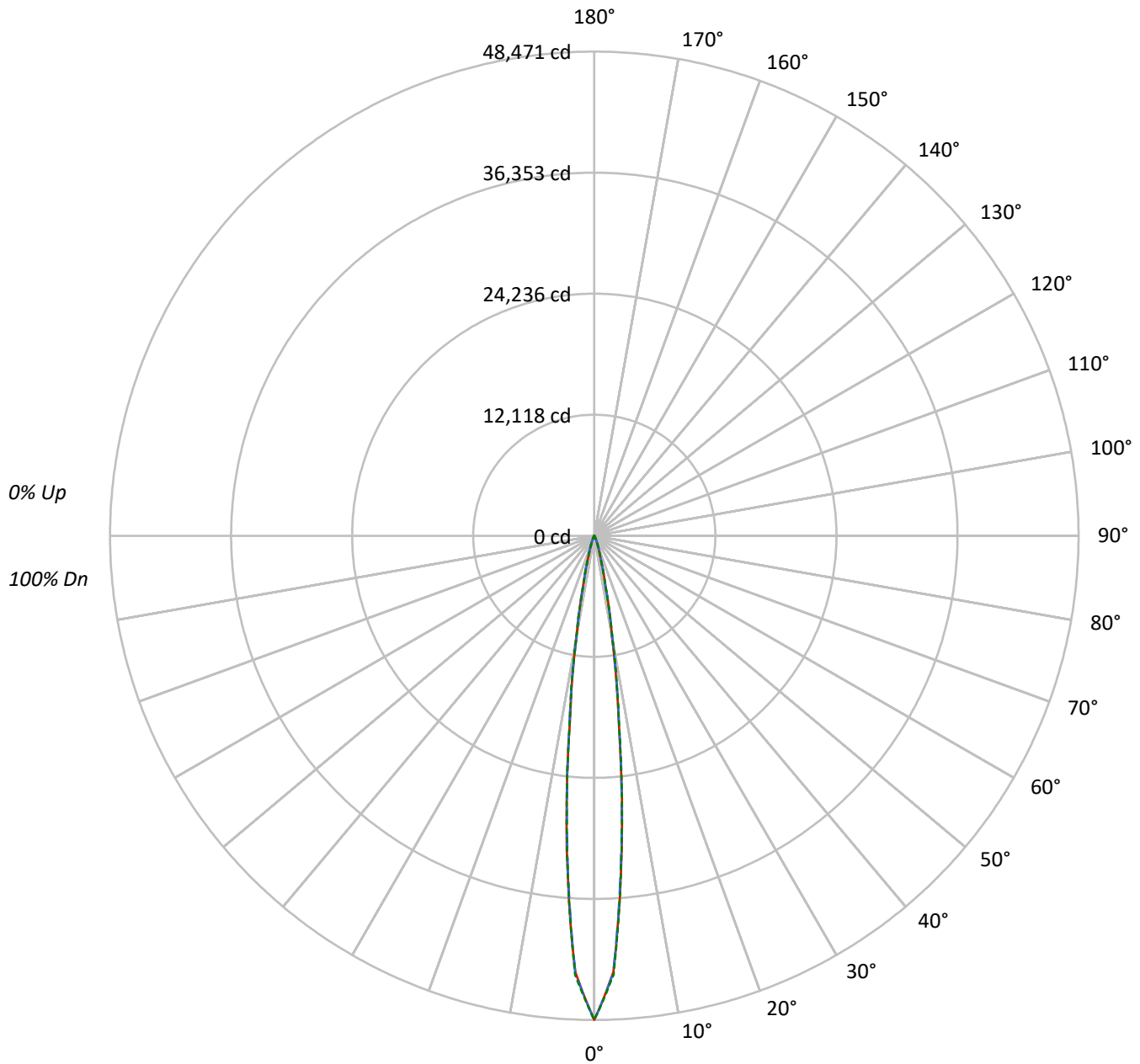
Downlight



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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	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°	5453954	5453954	5453954
5°	3205000	3163494	3188526
10°	956543	963242	977985
15°	237927	242565	235078
20°	71186	82436	72700
25°	25100	31970	25419
30°	9218	12138	9375
35°	4619	5214	4473
40°	2912	3203	2912
45°	2156	2296	2156
50°	1711	1711	1711
55°	1427	1427	1427
60°	1151	1151	1151
65°	878	878	878
70°	753	753	753
75°	469	469	620
80°	323	323	323
85°	174	174	174

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2296 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2307.3	64.9
10°-20°	949.1	26.7
20°-30°	188.5	5.3
30°-40°	47.0	1.3
40°-50°	24.7	0.7
50°-60°	18.3	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°	3444.9	96.8
0°-40°	3491.9	98.2
0°-60°	3535.0	99.4
0°-90°	3557.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3557.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	48471	48471	48471	48471	48471	
5°	31536	31212	31128	31343	31374	2303
15°	2739	2791	2793	2743	2706	939
25°	322	365	410	363	326	169
35°	64	68	72	68	62	43
45°	31	31	33	31	31	24
55°	20	20	20	20	20	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°	48471.0	48471.0	48471.0	48471.0	48471.0
2.5°	43722.8	43759.7	43774.1	43817.2	43977.2
5°	31536.3	31212.1	31127.9	31343.4	31374.2
7.5°	18680.9	18746.5	18986.6	19040.0	18847.1
10°	10251.5	10335.6	10323.3	10397.2	10481.3
12.5°	5242.7	5177.0	5156.5	5240.7	5123.7
15°	2739.3	2790.6	2792.7	2743.4	2706.5
17.5°	1473.3	1532.8	1631.3	1551.3	1428.2
20°	870.0	923.4	1007.5	941.8	888.5
22.5°	537.6	580.7	640.2	588.9	545.8
25°	322.2	365.2	410.4	363.2	326.3
27.5°	190.8	227.8	256.5	225.7	188.8
30°	123.1	143.6	162.1	141.6	125.2
32.5°	86.2	94.4	102.6	94.4	86.2
35°	63.6	67.7	71.8	67.7	61.6
37.5°	49.2	53.4	55.4	51.3	47.2
40°	41.0	43.1	45.1	43.1	41.0
42.5°	34.9	36.9	36.9	36.9	34.9
45°	30.8	30.8	32.8	30.8	30.8
47.5°	26.7	26.7	28.7	26.7	26.7
50°	24.6	24.6	24.6	24.6	24.6
52.5°	22.6	22.6	22.6	22.6	22.6
55°	20.5	20.5	20.5	20.5	20.5
57.5°	18.5	18.5	18.5	18.5	18.5
60°	16.4	16.4	16.4	16.4	16.4
62.5°	14.4	14.4	14.4	14.4	14.4
65°	12.3	12.3	12.3	12.3	12.3
67.5°	12.3	12.3	12.3	12.3	12.3
70°	10.3	10.3	10.3	10.3	10.3
72.5°	8.2	8.2	8.2	8.2	8.2
75°	6.2	6.2	6.2	6.2	8.2
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)