

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: P763840

Luminaire Tested: LD6D30D010-EU6DR1515309035-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763840
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-EU6DR1515309035-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3291.2 lumens
Efficiency: N/A
Efficacy: 113.5 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



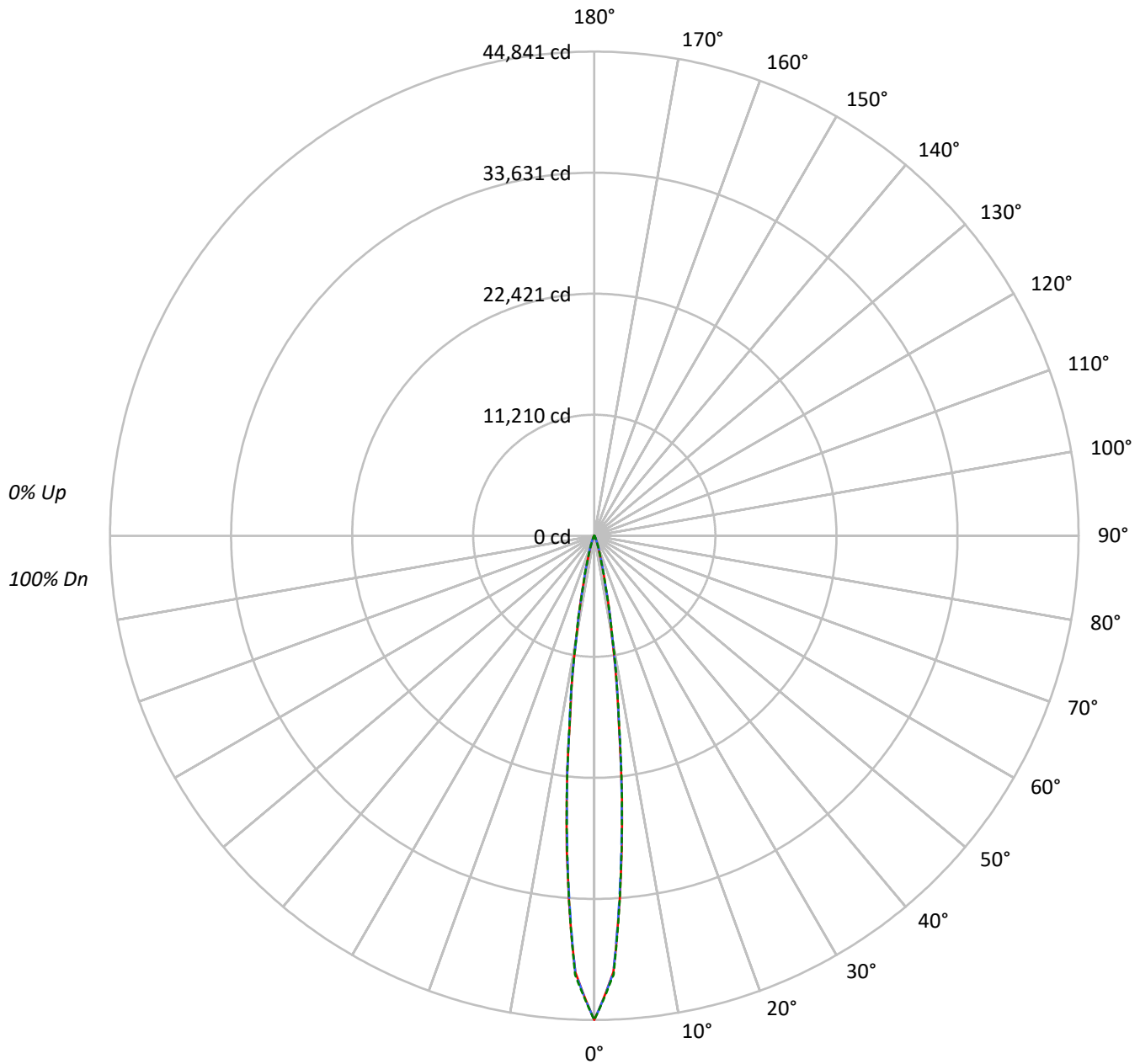
Downlight



TEST NUMBER: P763840

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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				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	106		104	103	103		101
2	113	110	107	105	111	108	106	104	105	103	102		102	101	100		100
3	110	106	103	101	108	105	102	100	103	100	99		100	99	97		98
4	108	103	100	98	106	102	99	97	100	98	96		99	97	95		97
5	106	101	98	95	104	100	97	95	98	96	94		97	95	93		96
6	104	99	95	93	102	98	95	93	97	94	92		96	93	92		95
7	102	97	94	91	101	96	93	91	95	93	91		94	92	90		93
8	100	95	92	90	99	95	92	90	94	91	89		93	91	89		92
9	99	93	90	88	98	93	90	88	92	90	88		92	89	88		91
10	97	92	89	87	96	92	89	87	91	89	87		91	88	87		90

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5045507	5045507	5045507
5°	2964983	2926587	2949738
10°	884911	891106	904748
15°	220113	224395	217472
20°	65859	76267	67258
25°	23214	29579	23510
30°	8529	11232	8671
35°	4270	4822	4132
40°	2699	2968	2699
45°	1995	2128	1995
50°	1585	1585	1585
55°	1322	1322	1322
60°	1067	1067	1067
65°	814	814	814
70°	695	695	695
75°	431	431	574
80°	300	300	300
85°	158	158	158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2128 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2134.5	64.9
10°-20°	878.0	26.7
20°-30°	174.4	5.3
30°-40°	43.5	1.3
40°-50°	22.9	0.7
50°-60°	17.0	0.5
60°-70°	12.0	0.4
70°-80°	6.8	0.2
80°-90°	2.1	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°	3186.9	96.8
0°-40°	3230.4	98.2
0°-60°	3270.3	99.4
0°-90°	3291.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3291.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	44841	44841	44841	44841	44841	
5°	29175	28875	28797	28996	29025	2130
15°	2534	2582	2584	2538	2504	869
25°	298	338	380	336	302	157
35°	59	63	66	63	57	40
45°	28	28	30	28	28	22
55°	19	19	19	19	19	17
65°	11	11	11	11	11	12
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°	44841.0	44841.0	44841.0	44841.0	44841.0
2.5°	40448.4	40482.6	40495.9	40535.7	40683.8
5°	29174.6	28874.6	28796.8	28996.1	29024.6
7.5°	17281.9	17342.6	17564.7	17614.1	17435.6
10°	9483.8	9561.6	9550.2	9618.6	9696.4
12.5°	4850.1	4789.3	4770.4	4848.2	4740.0
15°	2534.2	2581.7	2583.5	2538.0	2503.8
17.5°	1363.0	1418.0	1509.1	1435.1	1321.2
20°	804.9	854.2	932.1	871.3	822.0
22.5°	497.3	537.2	592.3	544.8	504.9
25°	298.0	337.9	379.7	336.0	301.8
27.5°	176.5	210.7	237.3	208.8	174.6
30°	113.9	132.9	150.0	131.0	115.8
32.5°	79.7	87.3	94.9	87.3	79.7
35°	58.8	62.6	66.4	62.6	56.9
37.5°	45.6	49.4	51.3	47.5	43.7
40°	38.0	39.9	41.8	39.9	38.0
42.5°	32.3	34.2	34.2	34.2	32.3
45°	28.5	28.5	30.4	28.5	28.5
47.5°	24.7	24.7	26.6	24.7	24.7
50°	22.8	22.8	22.8	22.8	22.8
52.5°	20.9	20.9	20.9	20.9	20.9
55°	19.0	19.0	19.0	19.0	19.0
57.5°	17.1	17.1	17.1	17.1	17.1
60°	15.2	15.2	15.2	15.2	15.2
62.5°	13.3	13.3	13.3	13.3	13.3
65°	11.4	11.4	11.4	11.4	11.4
67.5°	11.4	11.4	11.4	11.4	11.4
70°	9.5	9.5	9.5	9.5	9.5
72.5°	7.6	7.6	7.6	7.6	7.6
75°	5.7	5.7	5.7	5.7	5.7
77.5°	5.7	5.7	5.7	5.7	5.7
80°	3.8	3.8	3.8	3.8	3.8
82.5°	3.8	3.8	3.8	3.8	3.8
85°	1.9	1.9	1.9	1.9	1.9
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)