

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: P763863

Luminaire Tested: LD6D30D010-EU6DR1515309050-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763863
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-EU6DR1515309050-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3224.8 lumens
Efficiency: N/A
Efficacy: 111.2 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



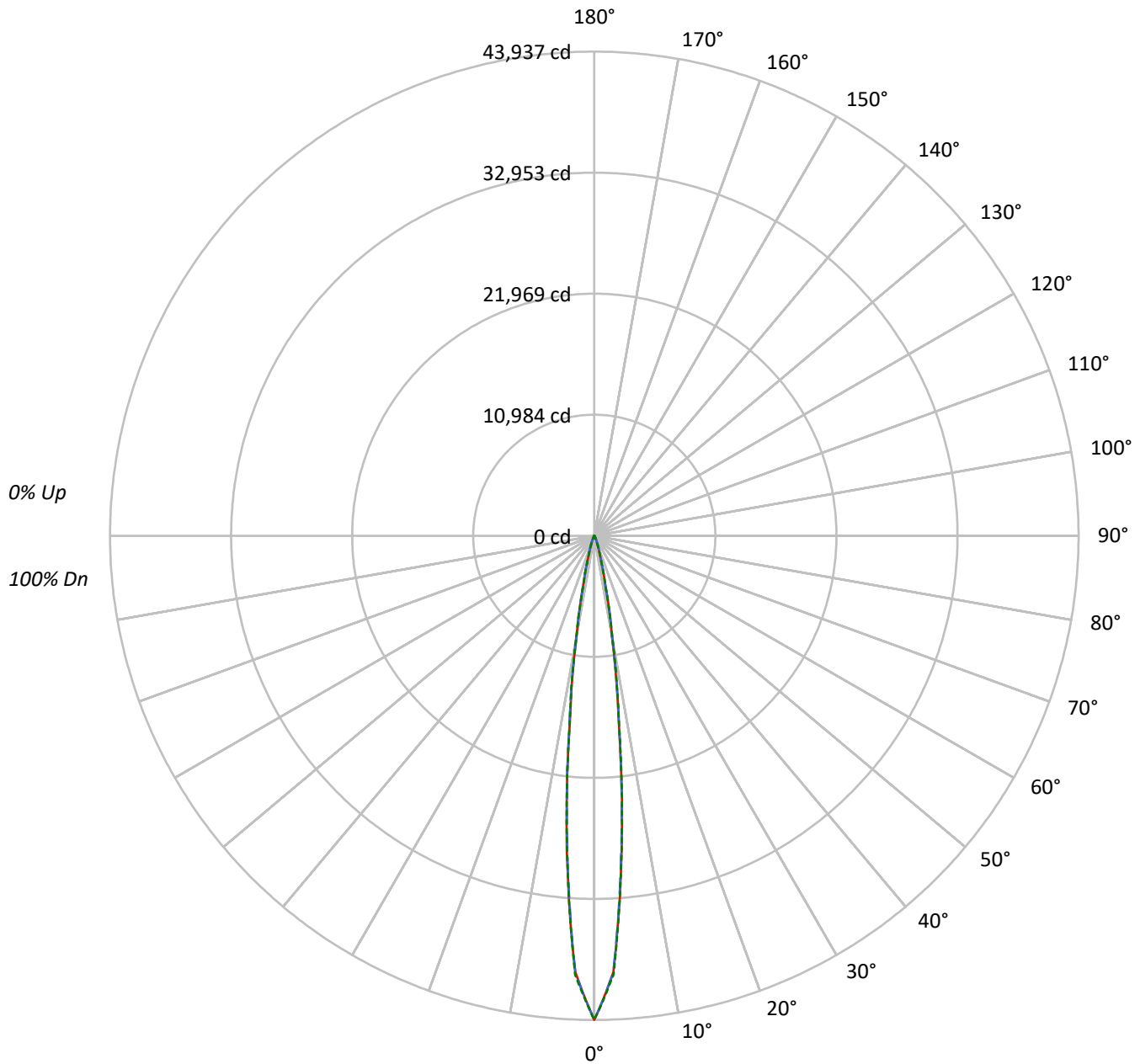
Downlight



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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				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		0
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		100
1	116	114	112	111	113	112	110	109	108	107	106		104	103	103		98
2	113	110	107	105	111	108	106	104	105	103	102		102	101	100		96
3	110	106	103	101	108	105	102	100	103	100	99		100	99	97		94
4	108	103	100	98	106	102	99	97	100	98	96		99	97	95		93
5	106	101	98	95	104	100	97	95	98	96	94		97	95	93		92
6	104	99	95	93	102	98	95	93	97	94	92		96	93	92		90
7	102	97	94	91	101	96	93	91	95	93	91		94	92	90		89
8	100	95	92	90	99	95	92	90	94	91	89		93	91	89		88
9	99	93	90	88	98	93	90	88	92	90	88		92	89	88		87
10	97	92	89	87	96	92	89	87	91	89	87		91	88	87		86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4943744	4943744	4943744
5°	2905184	2867561	2890245
10°	867061	873135	886497
15°	215674	219869	213086
20°	64525	74729	65900
25°	22747	28979	23035
30°	8357	11000	8499
35°	4190	4728	4052
40°	2642	2904	2642
45°	1953	2086	1953
50°	1551	1551	1551
55°	1295	1295	1295
60°	1046	1046	1046
65°	799	799	799
70°	680	680	680
75°	423	423	559
80°	292	292	292
85°	158	158	158

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2086 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2091.5	64.9
10°-20°	860.3	26.7
20°-30°	170.9	5.3
30°-40°	42.7	1.3
40°-50°	22.4	0.7
50°-60°	16.6	0.5
60°-70°	11.8	0.4
70°-80°	6.7	0.2
80°-90°	2.0	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°	3122.6	96.8
0°-40°	3165.3	98.2
0°-60°	3204.3	99.4
0°-90°	3224.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3224.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	43937	43937	43937	43937	43937	
5°	28586	28292	28216	28411	28439	2088
15°	2483	2530	2531	2487	2453	851
25°	292	331	372	329	296	153
35°	58	61	65	61	56	39
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	7	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°	43936.6	43936.6	43936.6	43936.6	43936.6
2.5°	39632.6	39666.1	39679.1	39718.2	39863.3
5°	28586.2	28292.3	28216.0	28411.3	28439.2
7.5°	16933.3	16992.8	17210.5	17258.8	17084.0
10°	9292.5	9368.8	9357.6	9424.6	9500.8
12.5°	4752.3	4692.7	4674.1	4750.4	4644.4
15°	2483.1	2529.6	2531.4	2486.8	2453.3
17.5°	1335.5	1389.4	1478.7	1406.2	1294.6
20°	788.6	837.0	913.3	853.7	805.4
22.5°	487.3	526.4	580.3	533.8	494.8
25°	292.0	331.1	372.0	329.2	295.7
27.5°	173.0	206.5	232.5	204.6	171.1
30°	111.6	130.2	146.9	128.3	113.5
32.5°	78.1	85.6	93.0	85.6	78.1
35°	57.7	61.4	65.1	61.4	55.8
37.5°	44.6	48.4	50.2	46.5	42.8
40°	37.2	39.1	40.9	39.1	37.2
42.5°	31.6	33.5	33.5	33.5	31.6
45°	27.9	27.9	29.8	27.9	27.9
47.5°	24.2	24.2	26.0	24.2	24.2
50°	22.3	22.3	22.3	22.3	22.3
52.5°	20.5	20.5	20.5	20.5	20.5
55°	18.6	18.6	18.6	18.6	18.6
57.5°	16.7	16.7	16.7	16.7	16.7
60°	14.9	14.9	14.9	14.9	14.9
62.5°	13.0	13.0	13.0	13.0	13.0
65°	11.2	11.2	11.2	11.2	11.2
67.5°	11.2	11.2	11.2	11.2	11.2
70°	9.3	9.3	9.3	9.3	9.3
72.5°	7.4	7.4	7.4	7.4	7.4
75°	5.6	5.6	5.6	5.6	7.4
77.5°	5.6	5.6	5.6	5.6	5.6
80°	3.7	3.7	3.7	3.7	3.7
82.5°	3.7	3.7	3.7	3.7	3.7
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)