

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: P763853

Luminaire Tested: LD6D30D010-EU6DR1515309040-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763853
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-EU6DR1515309040-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3382.2 lumens
Efficiency: N/A
Efficacy: 116.6 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



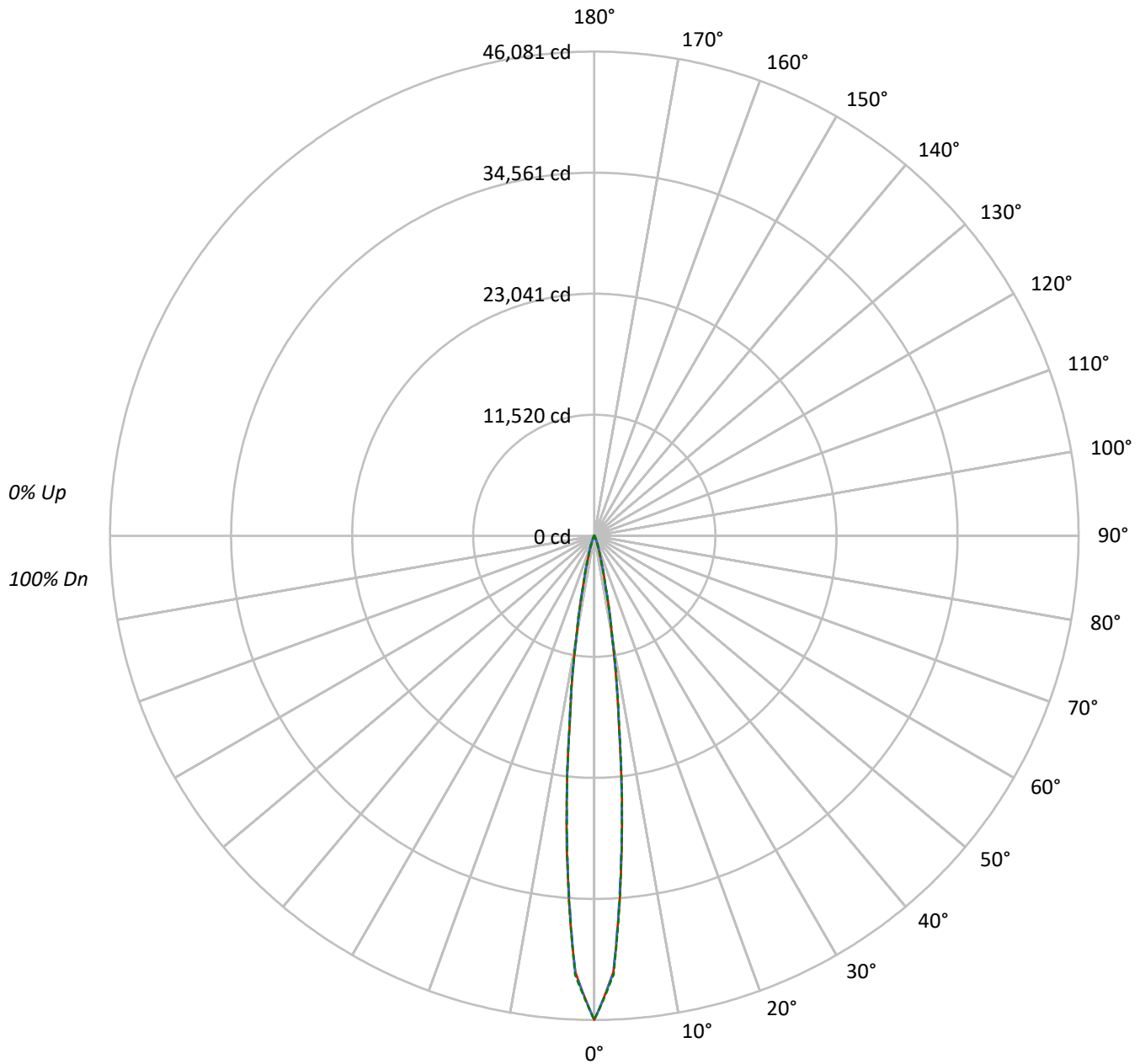
Downlight



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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	87
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°	5185021	5185021	5185021
5°	3046956	3007504	3031295
10°	909376	915749	929763
15°	226201	230605	223491
20°	67676	78370	69116
25°	23861	30397	24165
30°	8761	11539	8911
35°	4393	4960	4248
40°	2770	3047	2770
45°	2051	2184	2051
50°	1627	1627	1627
55°	1357	1357	1357
60°	1095	1095	1095
65°	835	835	835
70°	717	717	717
75°	446	446	590
80°	307	307	307
85°	166	166	166

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2184 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2193.5	64.9
10°-20°	902.3	26.7
20°-30°	179.2	5.3
30°-40°	44.7	1.3
40°-50°	23.5	0.7
50°-60°	17.5	0.5
60°-70°	12.3	0.4
70°-80°	7.0	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°	3275.0	96.8
0°-40°	3319.7	98.2
0°-60°	3360.7	99.4
0°-90°	3382.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3382.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	46081	46081	46081	46081	46081	
5°	29981	29673	29593	29798	29827	2189
15°	2604	2653	2655	2608	2573	893
25°	306	347	390	345	310	161
35°	60	64	68	64	58	41
45°	29	29	31	29	29	23
55°	20	20	20	20	20	17
65°	12	12	12	12	12	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°	46080.9	46080.9	46080.9	46080.9	46080.9
2.5°	41566.8	41601.9	41615.6	41656.5	41808.7
5°	29981.2	29673.0	29593.0	29797.9	29827.1
7.5°	17759.7	17822.1	18050.4	18101.1	17917.7
10°	9746.0	9826.0	9814.3	9884.5	9964.5
12.5°	4984.2	4921.8	4902.3	4982.2	4871.0
15°	2604.3	2653.0	2655.0	2608.2	2573.1
17.5°	1400.6	1457.2	1550.9	1474.8	1357.7
20°	827.1	877.8	957.8	895.4	844.7
22.5°	511.1	552.1	608.6	559.9	518.9
25°	306.3	347.2	390.2	345.3	310.2
27.5°	181.4	216.5	243.8	214.6	179.5
30°	117.0	136.6	154.1	134.6	119.0
32.5°	81.9	89.7	97.5	89.7	81.9
35°	60.5	64.4	68.3	64.4	58.5
37.5°	46.8	50.7	52.7	48.8	44.9
40°	39.0	41.0	42.9	41.0	39.0
42.5°	33.2	35.1	35.1	35.1	33.2
45°	29.3	29.3	31.2	29.3	29.3
47.5°	25.4	25.4	27.3	25.4	25.4
50°	23.4	23.4	23.4	23.4	23.4
52.5°	21.5	21.5	21.5	21.5	21.5
55°	19.5	19.5	19.5	19.5	19.5
57.5°	17.6	17.6	17.6	17.6	17.6
60°	15.6	15.6	15.6	15.6	15.6
62.5°	13.7	13.7	13.7	13.7	13.7
65°	11.7	11.7	11.7	11.7	11.7
67.5°	11.7	11.7	11.7	11.7	11.7
70°	9.8	9.8	9.8	9.8	9.8
72.5°	7.8	7.8	7.8	7.8	7.8
75°	5.9	5.9	5.9	5.9	7.8
77.5°	5.9	5.9	5.9	5.9	5.9
80°	3.9	3.9	3.9	3.9	3.9
82.5°	3.9	3.9	3.9	3.9	3.9
85°	2.0	2.0	2.0	2.0	2.0
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)