

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: P763801

Luminaire Tested: LD6D30D010-EU6DR1515309024-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763801
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-EU6DR1515309024-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2719.9 lumens
Efficiency: N/A
Efficacy: 93.8 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



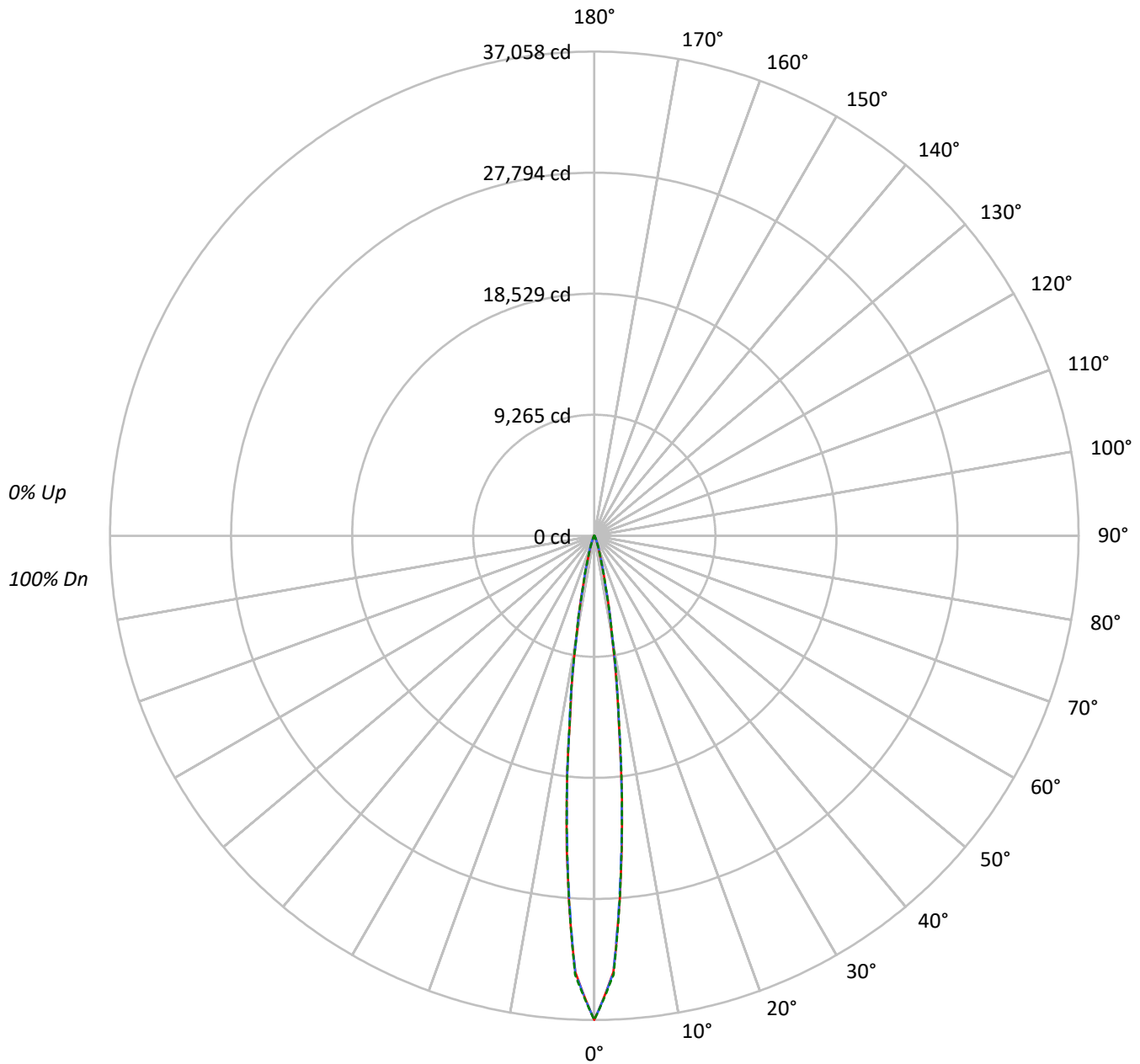
Downlight



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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°	4169708	4169708	4169708
5°	2450324	2418595	2437722
10°	731308	736430	747702
15°	181904	185448	179724
20°	54429	63028	55582
25°	19187	24445	19428
30°	7046	9278	7166
35°	3529	3987	3420
40°	2230	2450	2230
45°	1645	1757	1645
50°	1307	1307	1307
55°	1093	1093	1093
60°	885	885	885
65°	671	671	671
70°	570	570	570
75°	355	355	476
80°	244	244	244
85°	133	133	133

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1757 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1764.0	64.9
10°-20°	725.6	26.7
20°-30°	144.1	5.3
30°-40°	36.0	1.3
40°-50°	18.9	0.7
50°-60°	14.0	0.5
60°-70°	9.9	0.4
70°-80°	5.6	0.2
80°-90°	1.7	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°	2633.7	96.8
0°-40°	2669.7	98.2
0°-60°	2702.6	99.4
0°-90°	2719.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2719.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	37058	37058	37058	37058	37058	
5°	24110	23863	23798	23963	23986	1761
15°	2094	2134	2135	2097	2069	718
25°	246	279	314	278	249	129
35°	49	52	55	52	47	33
45°	24	24	25	24	24	18
55°	16	16	16	16	16	14
65°	9	9	9	9	9	10
75°	5	5	5	5	6	6
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°	37057.5	37057.5	37057.5	37057.5	37057.5
2.5°	33427.4	33455.6	33466.6	33499.6	33621.9
5°	24110.5	23862.6	23798.3	23963.0	23986.5
7.5°	14282.1	14332.3	14515.9	14556.6	14409.2
10°	7837.6	7901.9	7892.5	7949.0	8013.3
12.5°	4008.2	3958.0	3942.3	4006.6	3917.2
15°	2094.3	2133.5	2135.1	2097.4	2069.2
17.5°	1126.4	1171.9	1247.2	1186.0	1091.9
20°	665.2	705.9	770.3	720.1	679.3
22.5°	411.0	444.0	489.5	450.2	417.3
25°	246.3	279.2	313.8	277.7	249.4
27.5°	145.9	174.1	196.1	172.6	144.3
30°	94.1	109.8	123.9	108.2	95.7
32.5°	65.9	72.2	78.4	72.2	65.9
35°	48.6	51.8	54.9	51.8	47.1
37.5°	37.7	40.8	42.4	39.2	36.1
40°	31.4	32.9	34.5	32.9	31.4
42.5°	26.7	28.2	28.2	28.2	26.7
45°	23.5	23.5	25.1	23.5	23.5
47.5°	20.4	20.4	22.0	20.4	20.4
50°	18.8	18.8	18.8	18.8	18.8
52.5°	17.3	17.3	17.3	17.3	17.3
55°	15.7	15.7	15.7	15.7	15.7
57.5°	14.1	14.1	14.1	14.1	14.1
60°	12.6	12.6	12.6	12.6	12.6
62.5°	11.0	11.0	11.0	11.0	11.0
65°	9.4	9.4	9.4	9.4	9.4
67.5°	9.4	9.4	9.4	9.4	9.4
70°	7.8	7.8	7.8	7.8	7.8
72.5°	6.3	6.3	6.3	6.3	6.3
75°	4.7	4.7	4.7	4.7	6.3
77.5°	4.7	4.7	4.7	4.7	4.7
80°	3.1	3.1	3.1	3.1	3.1
82.5°	3.1	3.1	3.1	3.1	3.1
85°	1.6	1.6	1.6	1.6	1.6
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)