

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: P763818

Luminaire Tested: LD6D30D010-EU6DR1515309027-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763818
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-EU6DR1515309027-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

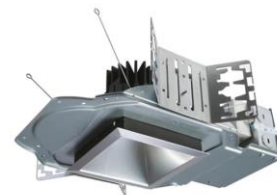
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3117.3 lumens
Efficiency: N/A
Efficacy: 107.5 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 (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



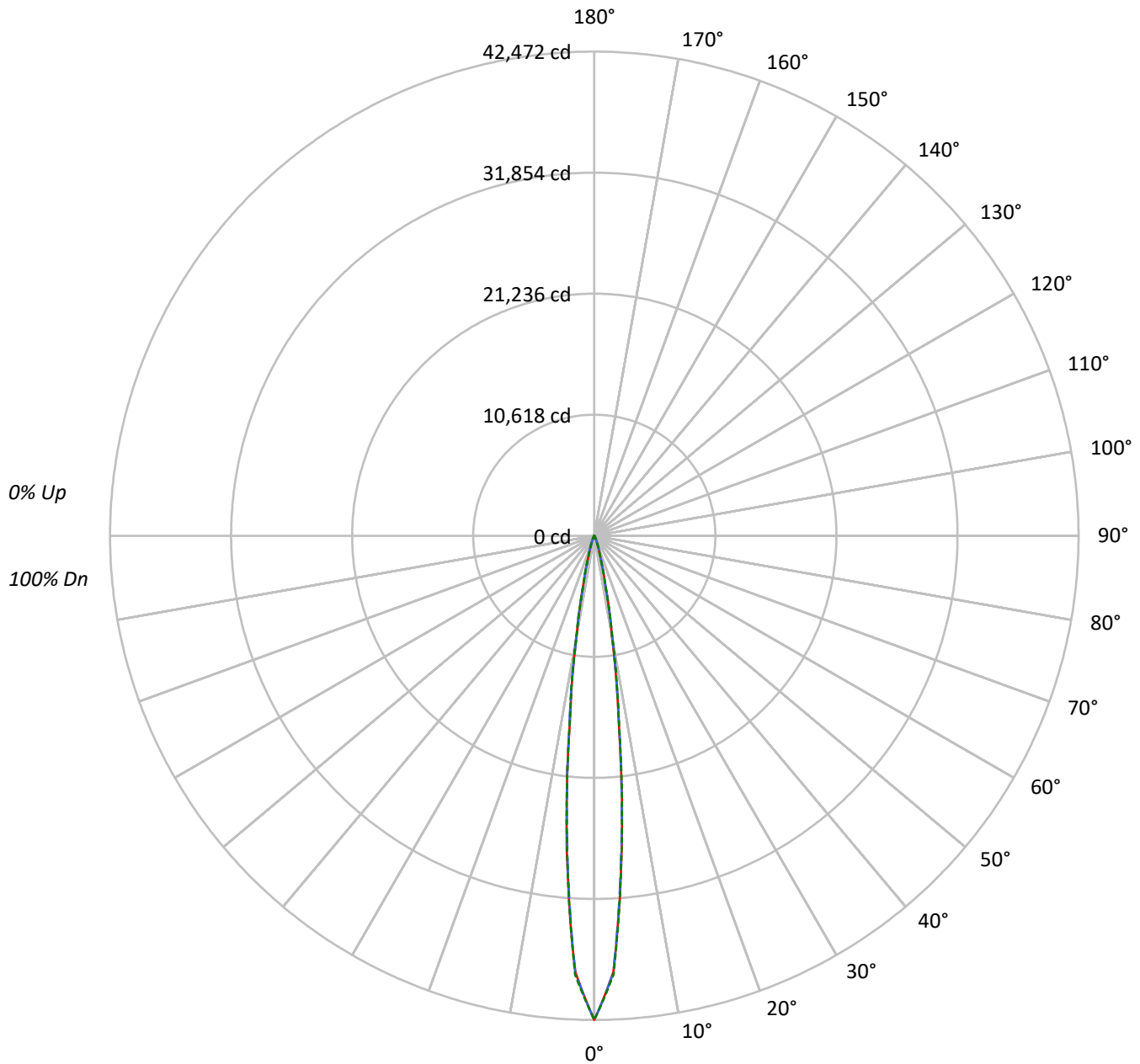
Downlight



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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°	4778914	4778914	4778914
5°	2808312	2771949	2793880
10°	838154	844023	856937
15°	208482	212539	205981
20°	62374	72233	63699
25°	21991	28013	22272
30°	8080	10633	8214
35°	4045	4568	3914
40°	2557	2812	2557
45°	1890	2016	1890
50°	1502	1502	1502
55°	1253	1253	1253
60°	1011	1011	1011
65°	771	771	771
70°	658	658	658
75°	408	408	544
80°	284	284	284
85°	149	149	149

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 2016 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2021.7	64.9
10°-20°	831.6	26.7
20°-30°	165.2	5.3
30°-40°	41.2	1.3
40°-50°	21.7	0.7
50°-60°	16.1	0.5
60°-70°	11.4	0.4
70°-80°	6.5	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°	3018.5	96.8
0°-40°	3059.7	98.2
0°-60°	3097.5	99.4
0°-90°	3117.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3117.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	42472	42472	42472	42472	42472	
5°	27633	27349	27275	27464	27491	2018
15°	2400	2445	2447	2404	2372	823
25°	282	320	360	318	286	148
35°	56	59	63	59	54	38
45°	27	27	29	27	27	21
55°	18	18	18	18	18	16
65°	11	11	11	11	11	11
75°	5	5	5	5	7	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°	42471.7	42471.7	42471.7	42471.7	42471.7
2.5°	38311.2	38343.5	38356.1	38393.9	38534.1
5°	27633.0	27348.9	27275.2	27464.0	27491.0
7.5°	16368.7	16426.3	16636.6	16683.4	16514.4
10°	8982.7	9056.4	9045.6	9110.3	9184.0
12.5°	4593.8	4536.3	4518.3	4592.0	4489.5
15°	2400.3	2445.2	2447.0	2403.9	2371.5
17.5°	1290.9	1343.1	1429.4	1359.3	1251.4
20°	762.3	809.1	882.8	825.3	778.5
22.5°	471.1	508.8	561.0	516.0	478.3
25°	282.3	320.0	359.6	318.2	285.9
27.5°	167.2	199.6	224.7	197.8	165.4
30°	107.9	125.9	142.0	124.1	109.7
32.5°	75.5	82.7	89.9	82.7	75.5
35°	55.7	59.3	62.9	59.3	53.9
37.5°	43.2	46.7	48.5	44.9	41.4
40°	36.0	37.8	39.6	37.8	36.0
42.5°	30.6	32.4	32.4	32.4	30.6
45°	27.0	27.0	28.8	27.0	27.0
47.5°	23.4	23.4	25.2	23.4	23.4
50°	21.6	21.6	21.6	21.6	21.6
52.5°	19.8	19.8	19.8	19.8	19.8
55°	18.0	18.0	18.0	18.0	18.0
57.5°	16.2	16.2	16.2	16.2	16.2
60°	14.4	14.4	14.4	14.4	14.4
62.5°	12.6	12.6	12.6	12.6	12.6
65°	10.8	10.8	10.8	10.8	10.8
67.5°	10.8	10.8	10.8	10.8	10.8
70°	9.0	9.0	9.0	9.0	9.0
72.5°	7.2	7.2	7.2	7.2	7.2
75°	5.4	5.4	5.4	5.4	7.2
77.5°	5.4	5.4	5.4	5.4	5.4
80°	3.6	3.6	3.6	3.6	3.6
82.5°	3.6	3.6	3.6	3.6	3.6
85°	1.8	1.8	1.8	1.8	1.8
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)