

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: P763814

Luminaire Tested: LD6D30D010-EU6DR1515309027-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P763814
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-EU6DR1515309027-6LBDP1MW
Description: 6 INCH ROUND DEEP 45° CUTOFF 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: 3019.2 lumens
Efficiency: N/A
Efficacy: 104.1 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



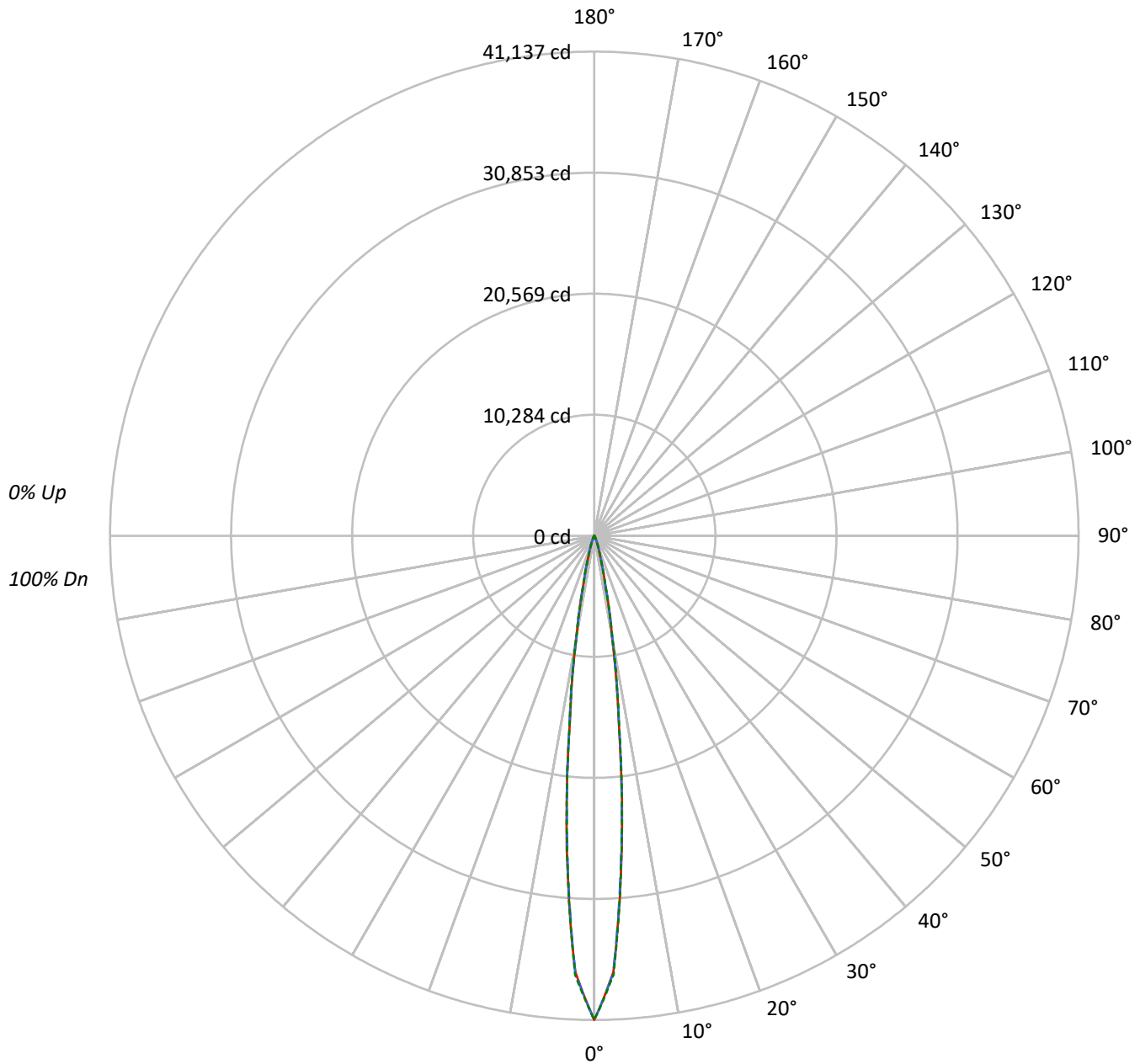
Downlight



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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					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°	4628711	4628711	4628711
5°	2720047	2684832	2706063
10°	811804	817496	830008
15°	201933	205859	199510
20°	60418	69967	61703
25°	21298	27133	21571
30°	7825	10304	7952
35°	3921	4430	3791
40°	2471	2720	2471
45°	1827	1953	1827
50°	1453	1453	1453
55°	1211	1211	1211
60°	976	976	976
65°	742	742	742
70°	636	636	636
75°	393	393	529
80°	276	276	276
85°	141	141	141

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1953 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1958.2	64.9
10°-20°	805.5	26.7
20°-30°	160.0	5.3
30°-40°	39.9	1.3
40°-50°	21.0	0.7
50°-60°	15.6	0.5
60°-70°	11.0	0.4
70°-80°	6.3	0.2
80°-90°	1.9	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°	2923.6	96.8
0°-40°	2963.6	98.2
0°-60°	3000.1	99.4
0°-90°	3019.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3019.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	41137	41137	41137	41137	41137	
5°	26764	26489	26418	26601	26627	1954
15°	2325	2368	2370	2328	2297	797
25°	273	310	348	308	277	144
35°	54	58	61	58	52	37
45°	26	26	28	26	26	20
55°	17	17	17	17	17	16
65°	10	10	10	10	10	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°	41136.8	41136.8	41136.8	41136.8	41136.8
2.5°	37107.0	37138.4	37150.6	37187.2	37323.0
5°	26764.5	26489.4	26418.0	26600.8	26626.9
7.5°	15854.3	15910.0	16113.7	16159.0	15995.3
10°	8700.3	8771.7	8761.3	8824.0	8895.4
12.5°	4449.4	4393.7	4376.3	4447.7	4348.4
15°	2324.9	2368.4	2370.1	2328.3	2297.0
17.5°	1250.4	1300.9	1384.5	1316.5	1212.1
20°	738.4	783.7	855.1	799.3	754.1
22.5°	456.3	492.8	543.3	499.8	463.2
25°	273.4	310.0	348.3	308.2	276.9
27.5°	162.0	193.3	217.7	191.6	160.2
30°	104.5	121.9	137.6	120.2	106.2
32.5°	73.1	80.1	87.1	80.1	73.1
35°	54.0	57.5	61.0	57.5	52.2
37.5°	41.8	45.3	47.0	43.5	40.1
40°	34.8	36.6	38.3	36.6	34.8
42.5°	29.6	31.3	31.3	31.3	29.6
45°	26.1	26.1	27.9	26.1	26.1
47.5°	22.6	22.6	24.4	22.6	22.6
50°	20.9	20.9	20.9	20.9	20.9
52.5°	19.2	19.2	19.2	19.2	19.2
55°	17.4	17.4	17.4	17.4	17.4
57.5°	15.7	15.7	15.7	15.7	15.7
60°	13.9	13.9	13.9	13.9	13.9
62.5°	12.2	12.2	12.2	12.2	12.2
65°	10.4	10.4	10.4	10.4	10.4
67.5°	10.4	10.4	10.4	10.4	10.4
70°	8.7	8.7	8.7	8.7	8.7
72.5°	7.0	7.0	7.0	7.0	7.0
75°	5.2	5.2	5.2	5.2	7.0
77.5°	5.2	5.2	5.2	5.2	5.2
80°	3.5	3.5	3.5	3.5	3.5
82.5°	3.5	3.5	3.5	3.5	3.5
85°	1.7	1.7	1.7	1.7	1.7
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)