

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: P761972

Luminaire Tested: LD6D20D010-EU6DR1515309035-6LBS1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761972
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: LD6D20D010-EU6DR1515309035-6LBS1MW
Description: 6 INCH ROUND SHALLOW MATTE WHITE TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

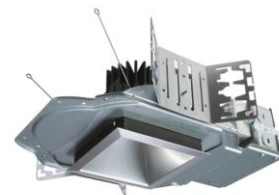
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2044.6 lumens
Efficiency: N/A
Efficacy: 88.5 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): 23.1
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



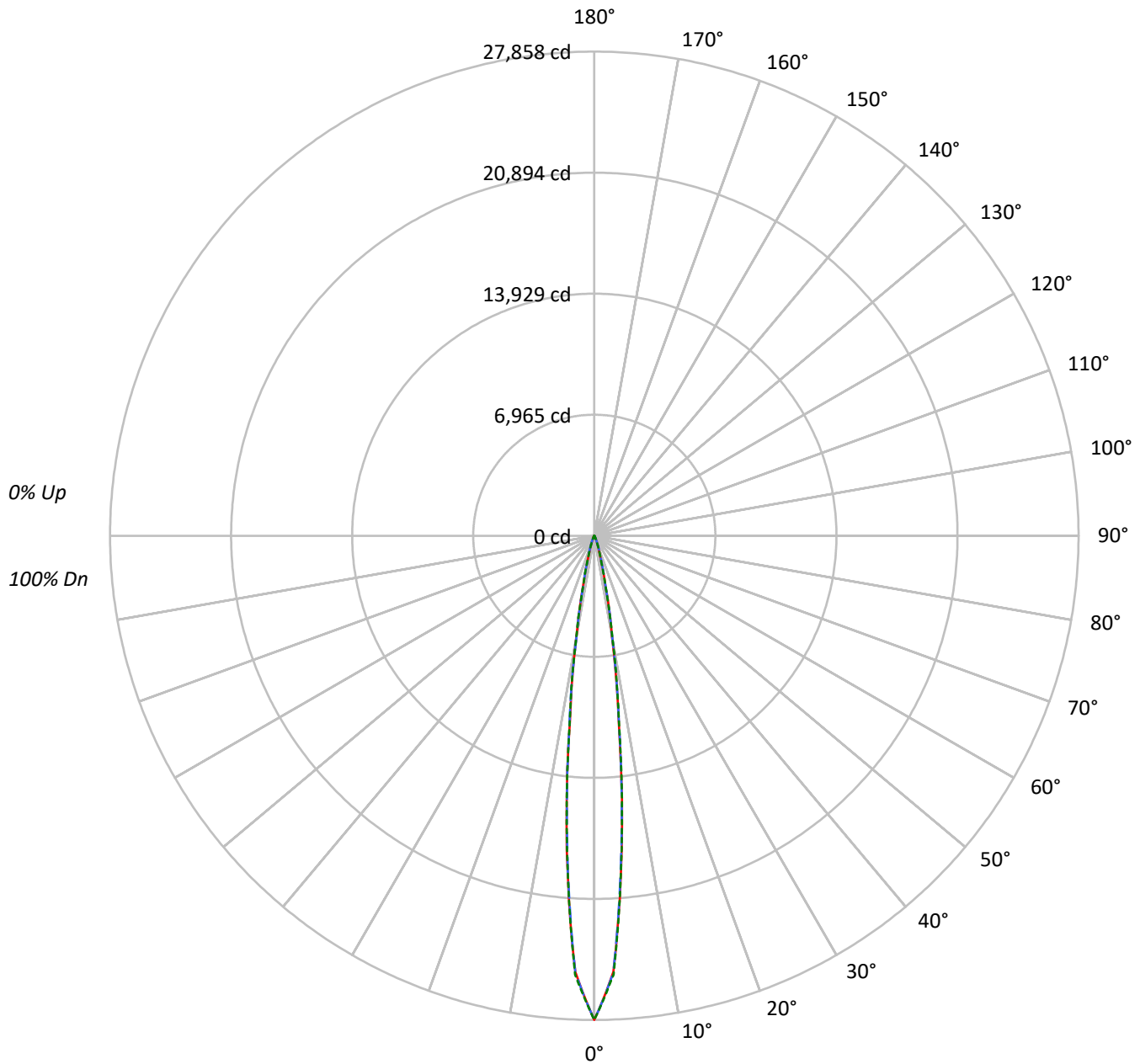
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3134536	3134536	3134536
5°	1841993	1818151	1832532
10°	549750	553603	562076
15°	136747	139405	135106
20°	40911	47375	41779
25°	14427	18377	14606
30°	5302	6979	5384
35°	2658	2999	2571
40°	1676	1839	1676
45°	1239	1323	1239
50°	987	987	987
55°	821	821	821
60°	660	660	660
65°	507	507	507
70°	432	432	432
75°	265	265	355
80°	189	189	189
85°	100	100	100

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1323 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1326.1	64.9
10°-20°	545.4	26.7
20°-30°	108.3	5.3
30°-40°	27.0	1.3
40°-50°	14.2	0.7
50°-60°	10.5	0.5
60°-70°	7.5	0.4
70°-80°	4.2	0.2
80°-90°	1.3	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°	1979.9	96.8
0°-40°	2006.9	98.2
0°-60°	2031.7	99.4
0°-90°	2044.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2044.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27858	27858	27858	27858	27858	
5°	18125	17938	17890	18014	18032	1324
15°	1574	1604	1605	1577	1556	540
25°	185	210	236	209	188	97
35°	37	39	41	39	35	25
45°	18	18	19	18	18	14
55°	12	12	12	12	12	11
65°	7	7	7	7	7	7
75°	4	4	4	4	5	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	27857.6	27857.6	27857.6	27857.6	27857.6
2.5°	25128.6	25149.9	25158.1	25182.9	25274.9
5°	18124.7	17938.4	17890.1	18013.9	18031.6
7.5°	10736.4	10774.1	10912.1	10942.8	10831.9
10°	5891.8	5940.2	5933.1	5975.5	6023.9
12.5°	3013.1	2975.4	2963.6	3011.9	2944.7
15°	1574.4	1603.9	1605.0	1576.7	1555.5
17.5°	846.7	880.9	937.5	891.6	820.8
20°	500.0	530.7	579.0	541.3	510.6
22.5°	309.0	333.7	367.9	338.5	313.7
25°	185.2	209.9	235.9	208.7	187.5
27.5°	109.7	130.9	147.4	129.7	108.5
30°	70.8	82.6	93.2	81.4	71.9
32.5°	49.5	54.2	59.0	54.2	49.5
35°	36.6	38.9	41.3	38.9	35.4
37.5°	28.3	30.7	31.8	29.5	27.1
40°	23.6	24.8	25.9	24.8	23.6
42.5°	20.0	21.2	21.2	21.2	20.0
45°	17.7	17.7	18.9	17.7	17.7
47.5°	15.3	15.3	16.5	15.3	15.3
50°	14.2	14.2	14.2	14.2	14.2
52.5°	13.0	13.0	13.0	13.0	13.0
55°	11.8	11.8	11.8	11.8	11.8
57.5°	10.6	10.6	10.6	10.6	10.6
60°	9.4	9.4	9.4	9.4	9.4
62.5°	8.3	8.3	8.3	8.3	8.3
65°	7.1	7.1	7.1	7.1	7.1
67.5°	7.1	7.1	7.1	7.1	7.1
70°	5.9	5.9	5.9	5.9	5.9
72.5°	4.7	4.7	4.7	4.7	4.7
75°	3.5	3.5	3.5	3.5	4.7
77.5°	3.5	3.5	3.5	3.5	3.5
80°	2.4	2.4	2.4	2.4	2.4
82.5°	2.4	2.4	2.4	2.4	2.4
85°	1.2	1.2	1.2	1.2	1.2
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)