

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: P761981

Luminaire Tested: LD6D20D010-EU6DR1515309040-6LBDP1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761981
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-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: 2035.1 lumens
Efficiency: N/A
Efficacy: 88.1 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): 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



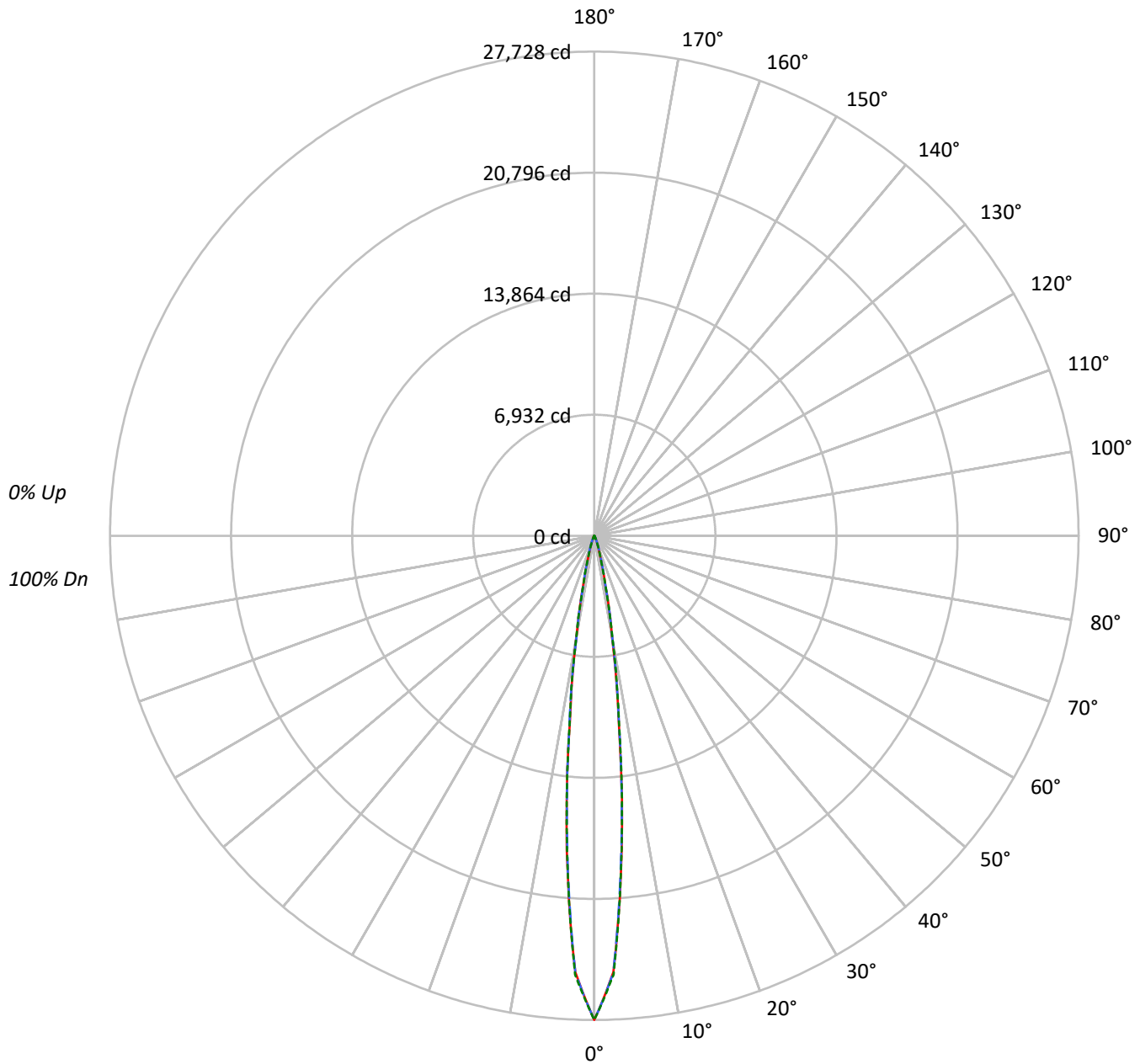
Downlight



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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				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	106		104	103	103		101
2	113	110	107	105	111	108	106	104	105	103	102		102	101	100		100
3	110	106	103	101	108	105	102	100	103	100	99		100	99	97		98
4	108	103	100	98	106	102	99	97	100	98	96		99	97	95		97
5	106	101	98	95	104	100	97	95	98	96	94		97	95	93		96
6	104	99	95	93	102	98	95	93	97	94	92		96	93	92		95
7	102	97	94	91	101	96	93	91	95	93	91		94	92	90		93
8	100	95	92	90	99	95	92	90	94	91	89		93	91	89		92
9	99	93	90	88	98	93	90	88	92	90	88		92	89	88		91
10	97	92	89	87	96	92	89	87	91	89	87		91	88	87		90

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3119953	3119953	3119953
5°	1833436	1809696	1824005
10°	547193	551028	559463
15°	136113	138762	134480
20°	40723	47154	41591
25°	14357	18291	14536
30°	5272	6941	5361
35°	2643	2985	2556
40°	1669	1832	1669
45°	1232	1316	1232
50°	980	980	980
55°	814	814	814
60°	660	660	660
65°	500	500	500
70°	432	432	432
75°	265	265	355
80°	181	181	181
85°	100	100	100

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1316 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1319.9	64.9
10°-20°	542.9	26.7
20°-30°	107.8	5.3
30°-40°	26.9	1.3
40°-50°	14.2	0.7
50°-60°	10.5	0.5
60°-70°	7.4	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°	1970.7	96.8
0°-40°	1997.6	98.2
0°-60°	2022.2	99.4
0°-90°	2035.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2035.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	27728	27728	27728	27728	27728	
5°	18040	17855	17807	17930	17948	1317
15°	1567	1596	1598	1569	1548	537
25°	184	209	235	208	187	97
35°	36	39	41	39	35	25
45°	18	18	19	18	18	14
55°	12	12	12	12	12	10
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°	27728.0	27728.0	27728.0	27728.0	27728.0
2.5°	25011.8	25032.9	25041.2	25065.8	25157.4
5°	18040.5	17855.0	17806.9	17930.1	17947.7
7.5°	10686.5	10724.0	10861.4	10891.9	10781.6
10°	5864.4	5912.5	5905.5	5947.8	5995.9
12.5°	2999.1	2961.6	2949.8	2997.9	2931.0
15°	1567.1	1596.4	1597.6	1569.4	1548.3
17.5°	842.8	876.8	933.2	887.4	817.0
20°	497.7	528.2	576.3	538.8	508.3
22.5°	307.5	332.2	366.2	336.9	312.2
25°	184.3	208.9	234.8	207.8	186.6
27.5°	109.2	130.3	146.7	129.1	108.0
30°	70.4	82.2	92.7	81.0	71.6
32.5°	49.3	54.0	58.7	54.0	49.3
35°	36.4	38.7	41.1	38.7	35.2
37.5°	28.2	30.5	31.7	29.3	27.0
40°	23.5	24.7	25.8	24.7	23.5
42.5°	20.0	21.1	21.1	21.1	20.0
45°	17.6	17.6	18.8	17.6	17.6
47.5°	15.3	15.3	16.4	15.3	15.3
50°	14.1	14.1	14.1	14.1	14.1
52.5°	12.9	12.9	12.9	12.9	12.9
55°	11.7	11.7	11.7	11.7	11.7
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°	8.2	8.2	8.2	8.2	8.2
65°	7.0	7.0	7.0	7.0	7.0
67.5°	7.0	7.0	7.0	7.0	7.0
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°	2.3	2.3	2.3	2.3	2.3
82.5°	2.3	2.3	2.3	2.3	2.3
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)