

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: P761982

Luminaire Tested: LD6D20D010-EU6DR1515309040-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761982
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-EU6DR1515309040-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2075.9 lumens
Efficiency: N/A
Efficacy: 89.9 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



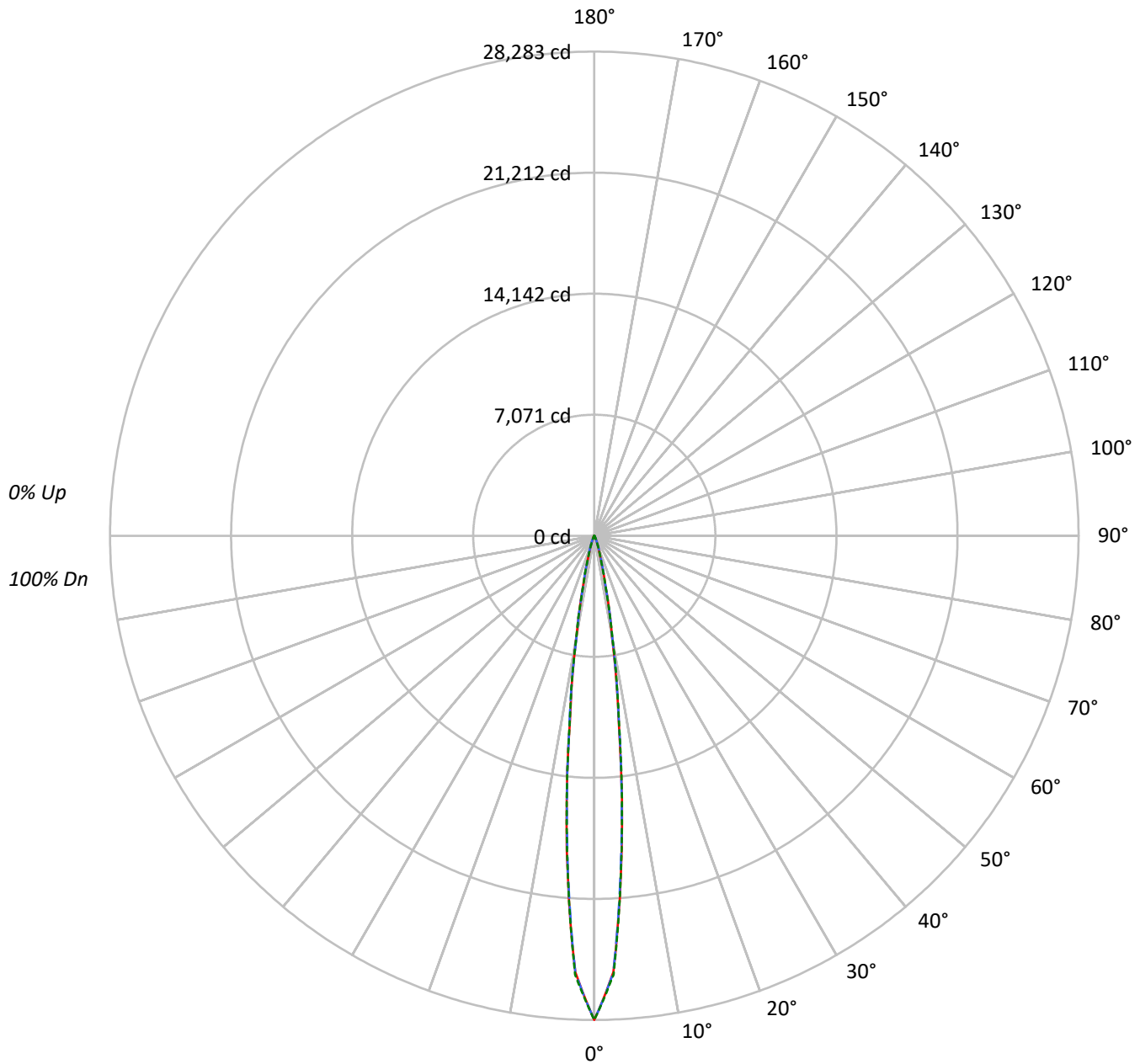
Downlight



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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
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°	3182390	3182390	3182390
5°	1870124	1845906	1860510
10°	558147	562057	570660
15°	138832	141533	137173
20°	41541	48104	42417
25°	14645	18657	14832
30°	5376	7084	5466
35°	2694	3043	2607
40°	1697	1868	1697
45°	1260	1344	1260
50°	1001	1001	1001
55°	835	835	835
60°	674	674	674
65°	514	514	514
70°	439	439	439
75°	272	272	363
80°	189	189	189
85°	100	100	100

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1344 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1346.3	64.9
10°-20°	553.8	26.7
20°-30°	110.0	5.3
30°-40°	27.4	1.3
40°-50°	14.5	0.7
50°-60°	10.7	0.5
60°-70°	7.6	0.4
70°-80°	4.3	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°	2010.1	96.8
0°-40°	2037.5	98.2
0°-60°	2062.7	99.4
0°-90°	2075.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2075.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	28283	28283	28283	28283	28283	
5°	18402	18212	18163	18289	18307	1344
15°	1598	1628	1630	1601	1579	548
25°	188	213	240	212	190	99
35°	37	40	42	40	36	25
45°	18	18	19	18	18	14
55°	12	12	12	12	12	11
65°	7	7	7	7	7	8
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°	28282.9	28282.9	28282.9	28282.9	28282.9
2.5°	25512.3	25533.9	25542.2	25567.4	25660.8
5°	18401.5	18212.3	18163.2	18288.9	18306.9
7.5°	10900.3	10938.6	11078.7	11109.9	10997.3
10°	5981.8	6030.9	6023.7	6066.8	6115.9
12.5°	3059.1	3020.8	3008.8	3057.9	2989.7
15°	1598.4	1628.3	1629.5	1600.8	1579.3
17.5°	859.7	894.4	951.9	905.2	833.3
20°	507.7	538.8	587.9	549.6	518.4
22.5°	313.7	338.8	373.6	343.6	318.5
25°	188.0	213.1	239.5	211.9	190.4
27.5°	111.3	132.9	149.7	131.7	110.2
30°	71.8	83.8	94.6	82.6	73.0
32.5°	50.3	55.1	59.9	55.1	50.3
35°	37.1	39.5	41.9	39.5	35.9
37.5°	28.7	31.1	32.3	29.9	27.5
40°	23.9	25.1	26.3	25.1	23.9
42.5°	20.4	21.6	21.6	21.6	20.4
45°	18.0	18.0	19.2	18.0	18.0
47.5°	15.6	15.6	16.8	15.6	15.6
50°	14.4	14.4	14.4	14.4	14.4
52.5°	13.2	13.2	13.2	13.2	13.2
55°	12.0	12.0	12.0	12.0	12.0
57.5°	10.8	10.8	10.8	10.8	10.8
60°	9.6	9.6	9.6	9.6	9.6
62.5°	8.4	8.4	8.4	8.4	8.4
65°	7.2	7.2	7.2	7.2	7.2
67.5°	7.2	7.2	7.2	7.2	7.2
70°	6.0	6.0	6.0	6.0	6.0
72.5°	4.8	4.8	4.8	4.8	4.8
75°	3.6	3.6	3.6	3.6	4.8
77.5°	3.6	3.6	3.6	3.6	3.6
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)