

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: P761930

Luminaire Tested: LD6D20D010-EU6DR1515309024-6LBS1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761930
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-EU6DR1515309024-6LBS1B
Description: 6 INCH ROUND SHALLOW SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1669.4 lumens
Efficiency: N/A
Efficacy: 72.3 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



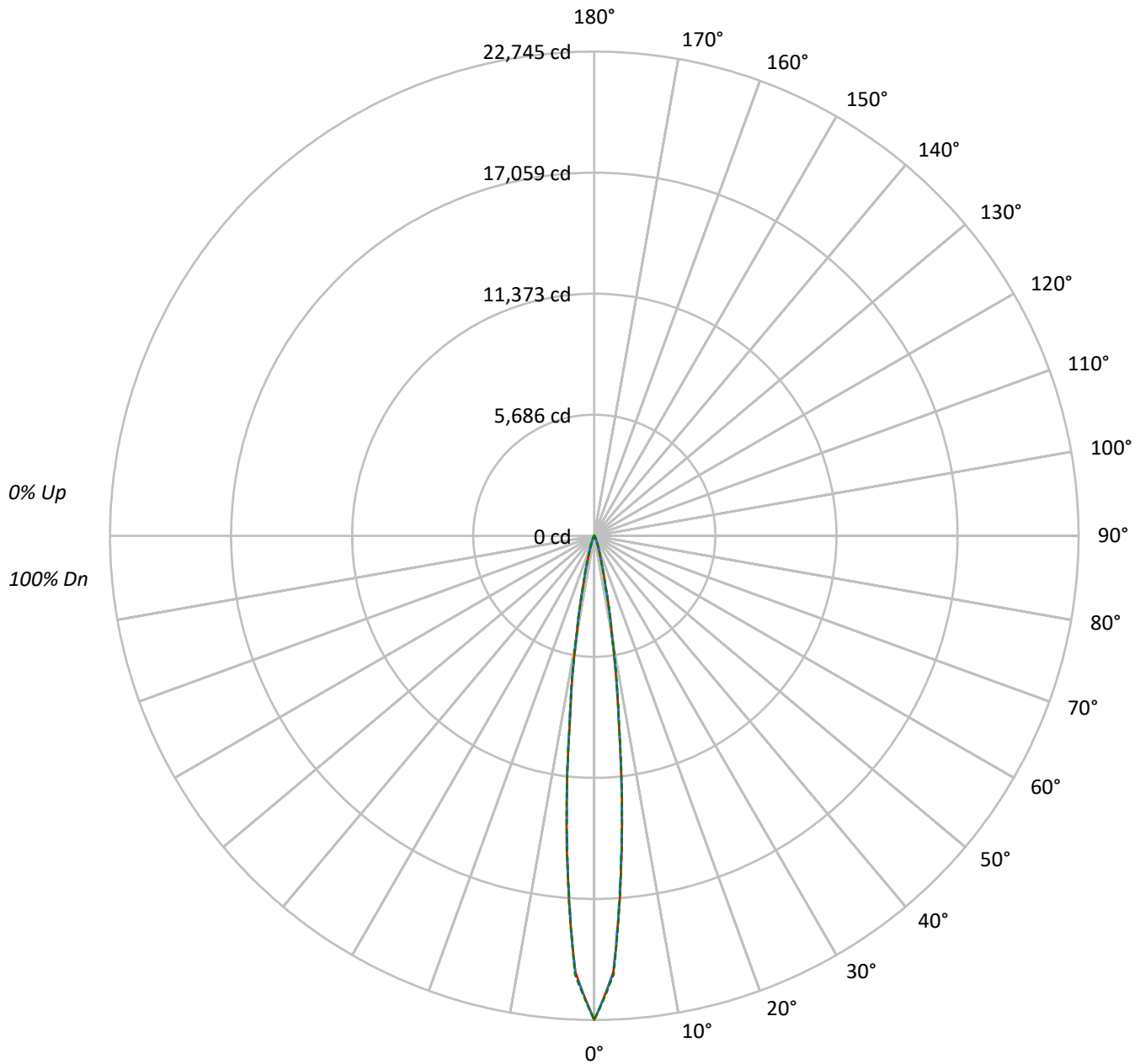
Downlight



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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	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°	2559232	2559232	2559232
5°	1503925	1484453	1496191
10°	448856	452001	458915
15°	111646	113826	110308
20°	33408	38686	34112
25°	11779	15004	11927
30°	4328	5698	4396
35°	2164	2447	2099
40°	1371	1506	1371
45°	1008	1078	1008
50°	807	807	807
55°	668	668	668
60°	541	541	541
65°	414	414	414
70°	351	351	351
75°	219	219	295
80°	150	150	150
85°	83	83	83

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1078 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1082.7	64.9
10°-20°	445.3	26.7
20°-30°	88.5	5.3
30°-40°	22.1	1.3
40°-50°	11.6	0.7
50°-60°	8.6	0.5
60°-70°	6.1	0.4
70°-80°	3.5	0.2
80°-90°	1.0	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°	1616.5	96.8
0°-40°	1638.6	98.2
0°-60°	1658.8	99.4
0°-90°	1669.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1669.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22745	22745	22745	22745	22745	
5°	14798	14646	14607	14708	14722	1081
15°	1285	1310	1310	1287	1270	441
25°	151	171	193	170	153	79
35°	30	32	34	32	29	20
45°	14	14	15	14	14	11
55°	10	10	10	10	10	9
65°	6	6	6	6	6	6
75°	3	3	3	3	4	3
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°	22744.7	22744.7	22744.7	22744.7	22744.7
2.5°	20516.6	20534.0	20540.7	20560.9	20636.0
5°	14798.2	14646.1	14606.6	14707.7	14722.1
7.5°	8765.9	8796.7	8909.3	8934.4	8843.9
10°	4810.5	4849.9	4844.2	4878.8	4918.3
12.5°	2460.1	2429.3	2419.7	2459.1	2404.3
15°	1285.4	1309.5	1310.5	1287.3	1270.0
17.5°	691.3	719.3	765.5	727.9	670.2
20°	408.3	433.3	472.8	442.0	416.9
22.5°	252.3	272.5	300.4	276.3	256.1
25°	151.2	171.4	192.6	170.4	153.1
27.5°	89.5	106.9	120.4	105.9	88.6
30°	57.8	67.4	76.1	66.4	58.7
32.5°	40.4	44.3	48.1	44.3	40.4
35°	29.8	31.8	33.7	31.8	28.9
37.5°	23.1	25.0	26.0	24.1	22.1
40°	19.3	20.2	21.2	20.2	19.3
42.5°	16.4	17.3	17.3	17.3	16.4
45°	14.4	14.4	15.4	14.4	14.4
47.5°	12.5	12.5	13.5	12.5	12.5
50°	11.6	11.6	11.6	11.6	11.6
52.5°	10.6	10.6	10.6	10.6	10.6
55°	9.6	9.6	9.6	9.6	9.6
57.5°	8.7	8.7	8.7	8.7	8.7
60°	7.7	7.7	7.7	7.7	7.7
62.5°	6.7	6.7	6.7	6.7	6.7
65°	5.8	5.8	5.8	5.8	5.8
67.5°	5.8	5.8	5.8	5.8	5.8
70°	4.8	4.8	4.8	4.8	4.8
72.5°	3.9	3.9	3.9	3.9	3.9
75°	2.9	2.9	2.9	2.9	3.9
77.5°	2.9	2.9	2.9	2.9	2.9
80°	1.9	1.9	1.9	1.9	1.9
82.5°	1.9	1.9	1.9	1.9	1.9
85°	1.0	1.0	1.0	1.0	1.0
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)