

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: P761939

Luminaire Tested: LD6D20D010-EU6DR1515309027-6LBDP1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761939
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-EU6DR1515309027-6LBDP1B
Description: 6 INCH ROUND DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1752.9 lumens
Efficiency: N/A
Efficacy: 75.9 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



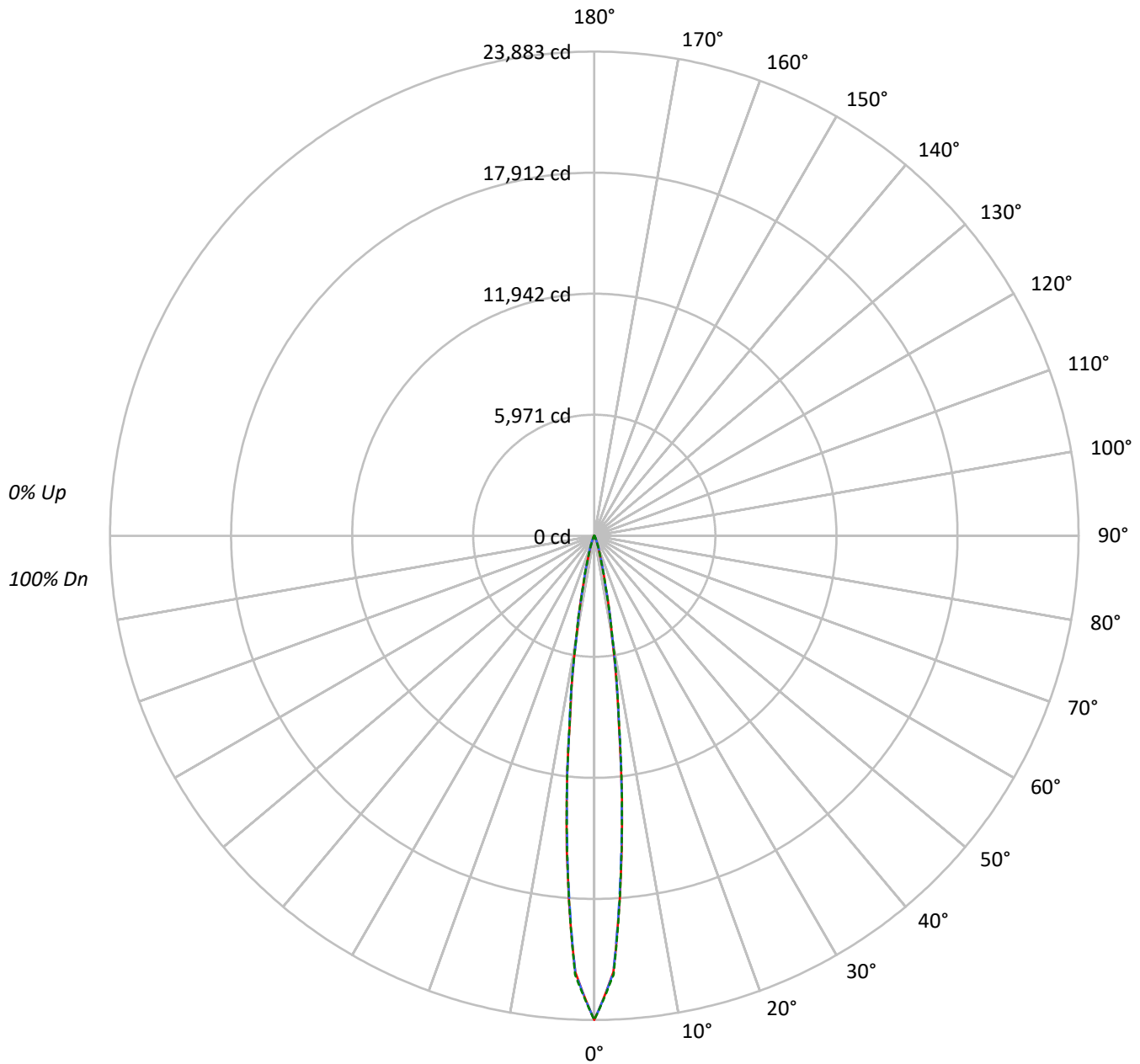
Downlight



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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				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°	2687303	2687303	2687303
5°	1579181	1558733	1571071
10°	471315	474618	481878
15°	117231	119515	115832
20°	35077	40617	35822
25°	12363	15752	12526
30°	4545	5983	4620
35°	2273	2571	2200
40°	1434	1577	1434
45°	1064	1134	1064
50°	841	841	841
55°	703	703	703
60°	569	569	569
65°	435	435	435
70°	373	373	373
75°	227	227	302
80°	158	158	158
85°	83	83	83

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1134 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1136.9	64.9
10°-20°	467.6	26.7
20°-30°	92.9	5.3
30°-40°	23.2	1.3
40°-50°	12.2	0.7
50°-60°	9.0	0.5
60°-70°	6.4	0.4
70°-80°	3.6	0.2
80°-90°	1.1	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°	1697.4	96.8
0°-40°	1720.6	98.2
0°-60°	1741.8	99.4
0°-90°	1752.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1752.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	23883	23883	23883	23883	23883	
5°	15539	15379	15338	15444	15459	1135
15°	1350	1375	1376	1352	1334	463
25°	159	180	202	179	161	83
35°	31	33	35	33	30	21
45°	15	15	16	15	15	12
55°	10	10	10	10	10	9
65°	6	6	6	6	6	6
75°	3	3	3	3	4	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°	23882.9	23882.9	23882.9	23882.9	23882.9
2.5°	21543.3	21561.5	21568.6	21589.8	21668.7
5°	15538.7	15379.0	15337.5	15443.7	15458.9
7.5°	9204.5	9236.9	9355.2	9381.5	9286.4
10°	5051.2	5092.6	5086.6	5123.0	5164.4
12.5°	2583.2	2550.9	2540.8	2582.2	2524.6
15°	1349.7	1375.0	1376.0	1351.8	1333.6
17.5°	725.9	755.3	803.8	764.3	703.7
20°	428.7	455.0	496.4	464.1	437.8
22.5°	264.9	286.1	315.4	290.2	268.9
25°	158.7	180.0	202.2	179.0	160.8
27.5°	94.0	112.2	126.4	111.2	93.0
30°	60.7	70.8	79.9	69.8	61.7
32.5°	42.5	46.5	50.6	46.5	42.5
35°	31.3	33.4	35.4	33.4	30.3
37.5°	24.3	26.3	27.3	25.3	23.3
40°	20.2	21.2	22.2	21.2	20.2
42.5°	17.2	18.2	18.2	18.2	17.2
45°	15.2	15.2	16.2	15.2	15.2
47.5°	13.1	13.1	14.2	13.1	13.1
50°	12.1	12.1	12.1	12.1	12.1
52.5°	11.1	11.1	11.1	11.1	11.1
55°	10.1	10.1	10.1	10.1	10.1
57.5°	9.1	9.1	9.1	9.1	9.1
60°	8.1	8.1	8.1	8.1	8.1
62.5°	7.1	7.1	7.1	7.1	7.1
65°	6.1	6.1	6.1	6.1	6.1
67.5°	6.1	6.1	6.1	6.1	6.1
70°	5.1	5.1	5.1	5.1	5.1
72.5°	4.0	4.0	4.0	4.0	4.0
75°	3.0	3.0	3.0	3.0	4.0
77.5°	3.0	3.0	3.0	3.0	3.0
80°	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0
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





— 0°-180° - - 45°-225° - - - 90°-270°







(END OF REPORT)