

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: P761934

Luminaire Tested: LD6D20D010-EU6DR1515309024-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761934
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-EU6DR1515309024-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF 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: 1460.5 lumens
Efficiency: N/A
Efficacy: 63.2 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



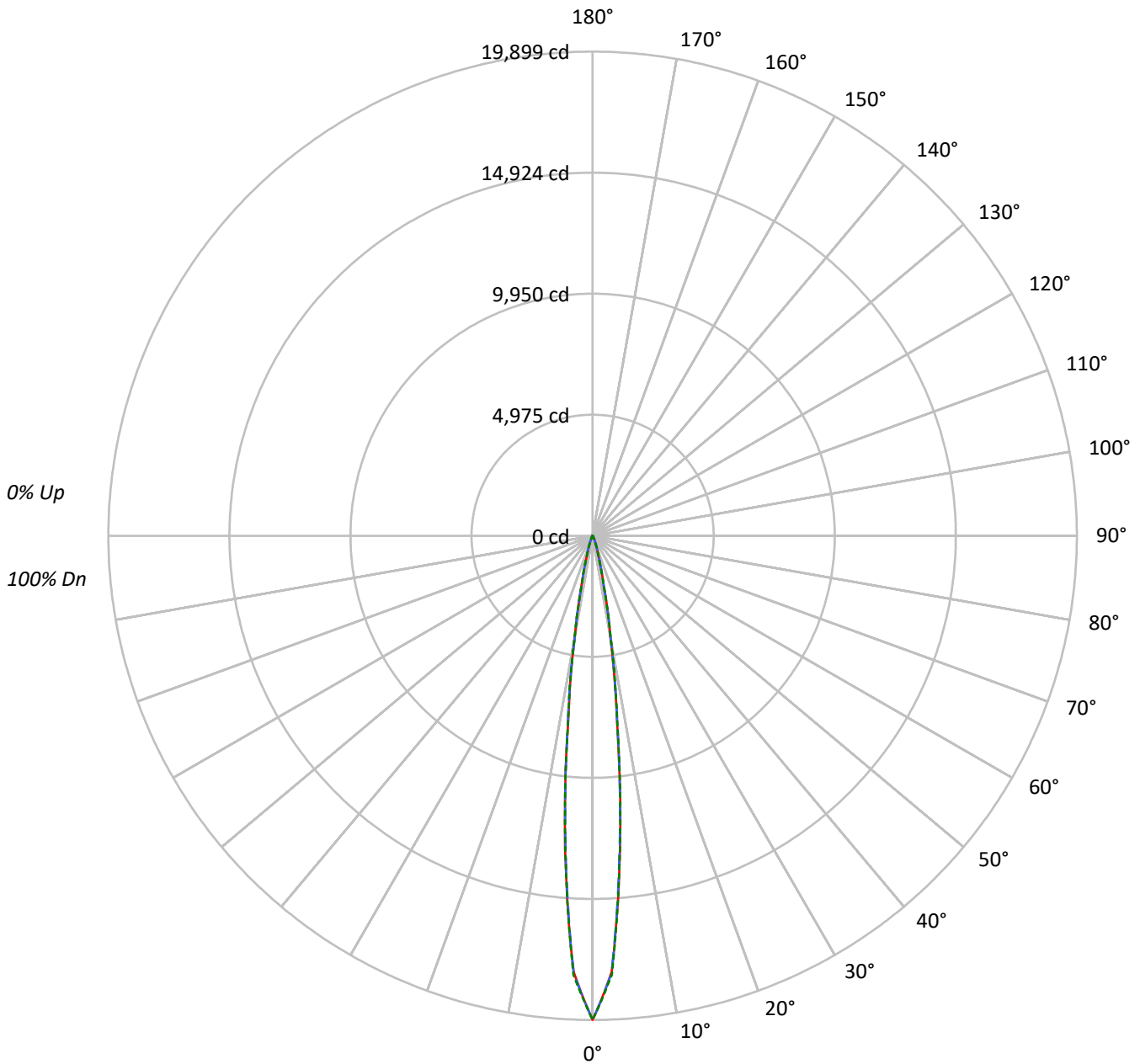
Downlight



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0													
RCR																																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100						100													
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98						98													
2	113	110	107	105	111	108	106	104	105	103	102	102	101	100	100	98	98	96						96													
3	110	106	103	101	108	105	102	100	103	100	99	100	99	97	98	97	96	94						94													
4	108	103	100	98	106	102	99	97	100	98	96	99	97	95	97	95	94	93						93													
5	106	101	98	95	104	100	97	95	98	96	94	97	95	93	96	94	92	92						92													
6	104	99	95	93	102	98	95	93	97	94	92	96	93	92	95	93	91	90						90													
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	93	91	90	89						89													
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	88						88													
9	99	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	88	87						87													
10	97	92	89	87	96	92	89	87	91	89	87	91	88	87	90	88	86	86						86													

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2238989	2238989	2238989
5°	1315739	1298695	1308970
10°	392685	395438	401493
15°	97679	99581	96507
20°	29227	33842	29841
25°	10306	13126	10431
30°	3782	4980	3849
35°	1895	2142	1837
40°	1193	1314	1193
45°	882	945	882
50°	702	702	702
55°	585	585	585
60°	470	470	470
65°	364	364	364
70°	307	307	307
75°	189	189	257
80°	134	134	134
85°	66	66	66

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 945 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	947.2	64.9
10°-20°	389.6	26.7
20°-30°	77.4	5.3
30°-40°	19.3	1.3
40°-50°	10.2	0.7
50°-60°	7.5	0.5
60°-70°	5.3	0.4
70°-80°	3.0	0.2
80°-90°	0.9	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°	1414.2	96.8
0°-40°	1433.5	98.2
0°-60°	1451.2	99.4
0°-90°	1460.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1460.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19899	19899	19899	19899	19899	
5°	12946	12813	12779	12867	12880	945
15°	1125	1146	1146	1126	1111	386
25°	132	150	168	149	134	69
35°	26	28	30	28	25	18
45°	13	13	14	13	13	10
55°	8	8	8	8	8	8
65°	5	5	5	5	5	5
75°	2	2	2	2	3	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°	19898.6	19898.6	19898.6	19898.6	19898.6
2.5°	17949.3	17964.5	17970.4	17988.1	18053.8
5°	12946.5	12813.4	12778.8	12867.3	12879.9
7.5°	7669.0	7695.9	7794.5	7816.4	7737.2
10°	4208.5	4243.0	4238.0	4268.3	4302.9
12.5°	2152.3	2125.3	2116.9	2151.4	2103.4
15°	1124.6	1145.6	1146.5	1126.3	1111.1
17.5°	604.8	629.3	669.7	636.8	586.3
20°	357.2	379.1	413.6	386.7	364.7
22.5°	220.7	238.4	262.8	241.8	224.1
25°	132.3	149.9	168.5	149.1	133.9
27.5°	78.3	93.5	105.3	92.7	77.5
30°	50.5	59.0	66.5	58.1	51.4
32.5°	35.4	38.7	42.1	38.7	35.4
35°	26.1	27.8	29.5	27.8	25.3
37.5°	20.2	21.9	22.7	21.1	19.4
40°	16.8	17.7	18.5	17.7	16.8
42.5°	14.3	15.2	15.2	15.2	14.3
45°	12.6	12.6	13.5	12.6	12.6
47.5°	11.0	11.0	11.8	11.0	11.0
50°	10.1	10.1	10.1	10.1	10.1
52.5°	9.3	9.3	9.3	9.3	9.3
55°	8.4	8.4	8.4	8.4	8.4
57.5°	7.6	7.6	7.6	7.6	7.6
60°	6.7	6.7	6.7	6.7	6.7
62.5°	5.9	5.9	5.9	5.9	5.9
65°	5.1	5.1	5.1	5.1	5.1
67.5°	5.1	5.1	5.1	5.1	5.1
70°	4.2	4.2	4.2	4.2	4.2
72.5°	3.4	3.4	3.4	3.4	3.4
75°	2.5	2.5	2.5	2.5	3.4
77.5°	2.5	2.5	2.5	2.5	2.5
80°	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7
85°	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

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

Scaled Data Report



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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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