

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: P761000

Luminaire Tested: LD6D15D010-EU6DR1515309040-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761000
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: LD6D15D010-EU6DR1515309040-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF 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: 1322.6 lumens
Efficiency: N/A
Efficacy: 83.7 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): 15.8
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



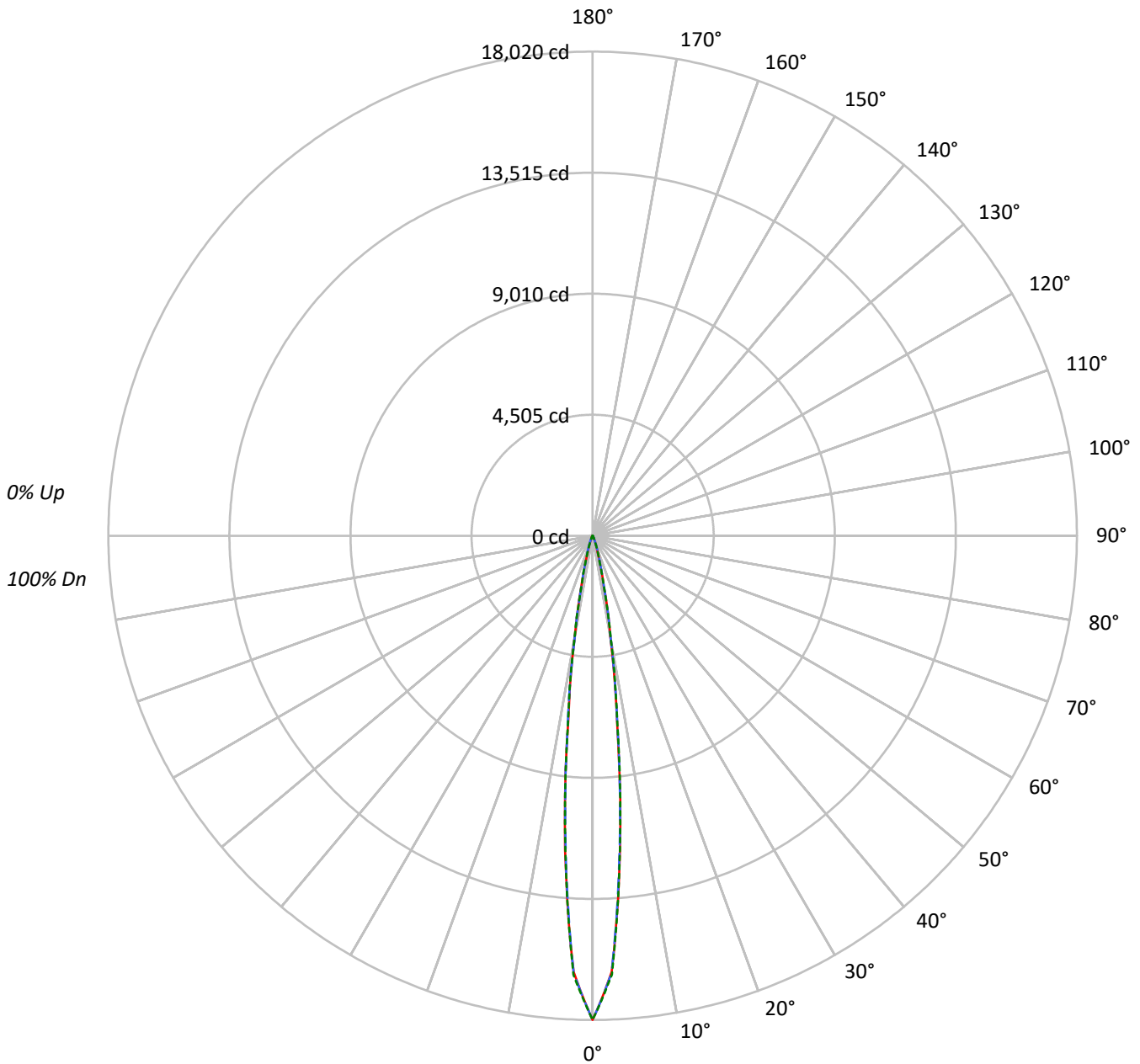
Downlight



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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°	2027576	2027576	2027576
5°	1191497	1176070	1185369
10°	355605	358096	363582
15°	88455	90175	87395
20°	26461	30651	27026
25°	9333	11888	9449
30°	3430	4515	3482
35°	1714	1939	1663
40°	1087	1193	1087
45°	798	854	798
50°	640	640	640
55°	529	529	529
60°	428	428	428
65°	328	328	328
70°	278	278	278
75°	174	174	234
80°	118	118	118
85°	66	66	66

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 854 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	857.8	64.9
10°-20°	352.8	26.7
20°-30°	70.1	5.3
30°-40°	17.5	1.3
40°-50°	9.2	0.7
50°-60°	6.8	0.5
60°-70°	4.8	0.4
70°-80°	2.8	0.2
80°-90°	0.8	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°	1280.7	96.8
0°-40°	1298.2	98.2
0°-60°	1314.2	99.4
0°-90°	1322.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1322.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18020	18020	18020	18020	18020	
5°	11724	11604	11572	11652	11664	856
15°	1018	1038	1038	1020	1006	349
25°	120	136	153	135	121	63
35°	24	25	27	25	23	16
45°	11	11	12	11	11	9
55°	8	8	8	8	8	7
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°	18019.7	18019.7	18019.7	18019.7	18019.7
2.5°	16254.5	16268.2	16273.5	16289.5	16349.0
5°	11724.0	11603.5	11572.2	11652.3	11663.7
7.5°	6944.8	6969.2	7058.5	7078.3	7006.6
10°	3811.1	3842.4	3837.8	3865.3	3896.6
12.5°	1949.0	1924.6	1917.0	1948.3	1904.8
15°	1018.4	1037.5	1038.2	1019.9	1006.2
17.5°	547.7	569.8	606.5	576.7	530.9
20°	323.4	343.3	374.6	350.1	330.3
22.5°	199.9	215.9	238.0	218.9	202.9
25°	119.8	135.8	152.6	135.0	121.3
27.5°	70.9	84.7	95.4	83.9	70.2
30°	45.8	53.4	60.3	52.6	46.5
32.5°	32.0	35.1	38.1	35.1	32.0
35°	23.6	25.2	26.7	25.2	22.9
37.5°	18.3	19.8	20.6	19.1	17.5
40°	15.3	16.0	16.8	16.0	15.3
42.5°	13.0	13.7	13.7	13.7	13.0
45°	11.4	11.4	12.2	11.4	11.4
47.5°	9.9	9.9	10.7	9.9	9.9
50°	9.2	9.2	9.2	9.2	9.2
52.5°	8.4	8.4	8.4	8.4	8.4
55°	7.6	7.6	7.6	7.6	7.6
57.5°	6.9	6.9	6.9	6.9	6.9
60°	6.1	6.1	6.1	6.1	6.1
62.5°	5.3	5.3	5.3	5.3	5.3
65°	4.6	4.6	4.6	4.6	4.6
67.5°	4.6	4.6	4.6	4.6	4.6
70°	3.8	3.8	3.8	3.8	3.8
72.5°	3.1	3.1	3.1	3.1	3.1
75°	2.3	2.3	2.3	2.3	3.1
77.5°	2.3	2.3	2.3	2.3	2.3
80°	1.5	1.5	1.5	1.5	1.5
82.5°	1.5	1.5	1.5	1.5	1.5
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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