

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: P760976

Luminaire Tested: LD6D15D010-EU6DR1515309030-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P760976
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-EU6DR1515309030-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 15° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1219.0 lumens
Efficiency: N/A
Efficacy: 77.2 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): 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



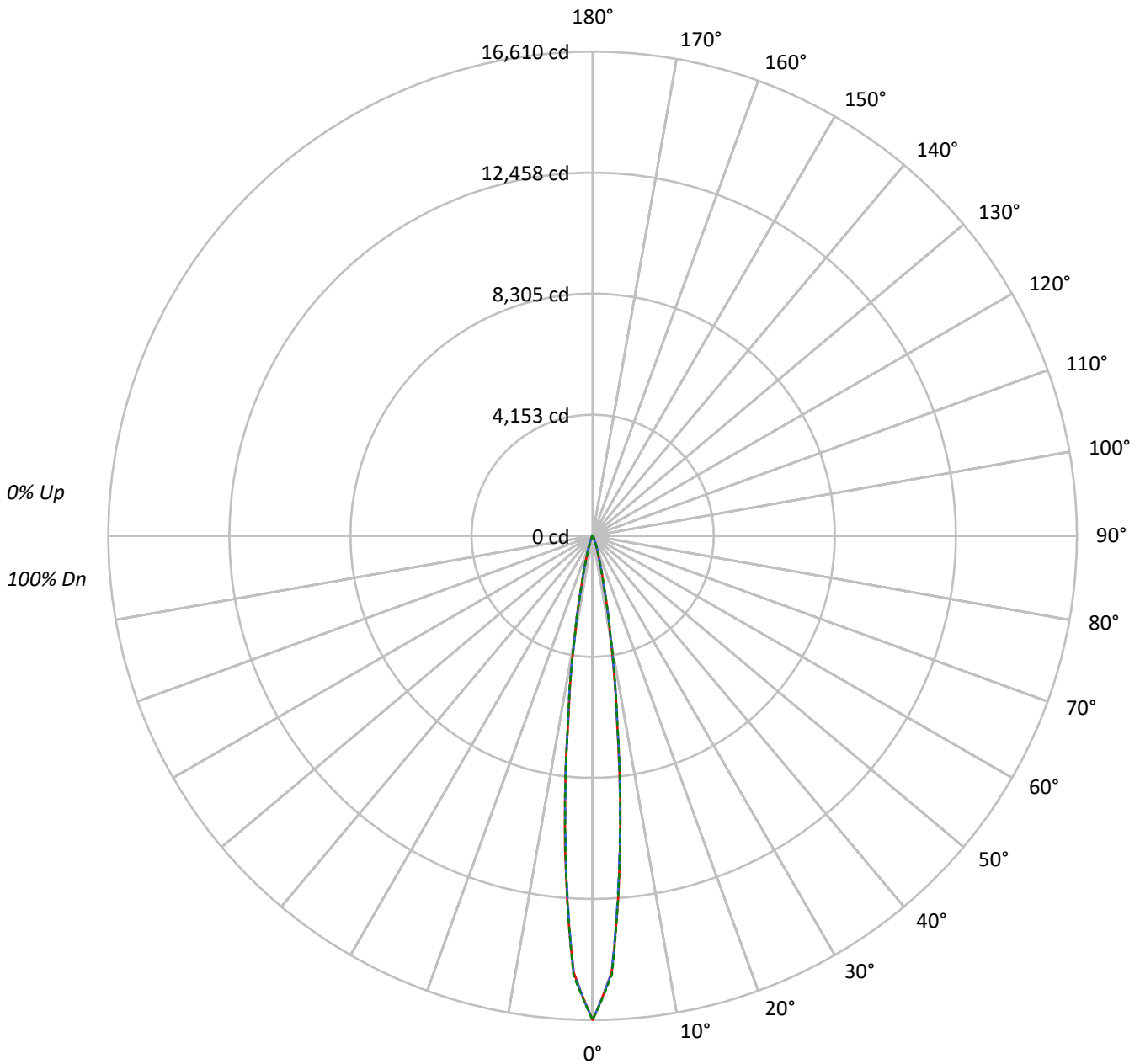
Downlight



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1868956	1868956	1868956
5°	1098293	1084065	1092643
10°	327790	330085	335133
15°	81533	83122	80560
20°	24391	28253	24915
25°	8600	10953	8709
30°	3160	4156	3212
35°	1583	1786	1532
40°	1001	1101	1001
45°	735	791	735
50°	584	584	584
55°	487	487	487
60°	393	393	393
65°	300	300	300
70°	256	256	256
75°	159	159	212
80°	110	110	110
85°	58	58	58

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 791 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	790.7	64.9
10°-20°	325.2	26.7
20°-30°	64.6	5.3
30°-40°	16.1	1.3
40°-50°	8.5	0.7
50°-60°	6.3	0.5
60°-70°	4.4	0.4
70°-80°	2.5	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°	1180.5	96.8
0°-40°	1196.6	98.2
0°-60°	1211.3	99.4
0°-90°	1219.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1219.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16610	16610	16610	16610	16610	
5°	10807	10696	10667	10741	10751	789
15°	939	956	957	940	928	322
25°	110	125	141	124	112	58
35°	22	23	25	23	21	15
45°	10	10	11	10	10	8
55°	7	7	7	7	7	6
65°	4	4	4	4	4	4
75°	2	2	2	2	3	2
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°	16610.0	16610.0	16610.0	16610.0	16610.0
2.5°	14982.9	14995.6	15000.5	15015.3	15070.1
5°	10806.9	10695.8	10666.9	10740.8	10751.3
7.5°	6401.6	6424.1	6506.3	6524.6	6458.5
10°	3513.0	3541.8	3537.6	3562.9	3591.7
12.5°	1796.6	1774.1	1767.0	1795.9	1755.8
15°	938.7	956.3	957.0	940.1	927.5
17.5°	504.9	525.3	559.0	531.6	489.4
20°	298.1	316.4	345.3	322.8	304.5
22.5°	184.2	199.0	219.4	201.8	187.0
25°	110.4	125.2	140.6	124.5	111.8
27.5°	65.4	78.1	87.9	77.3	64.7
30°	42.2	49.2	55.5	48.5	42.9
32.5°	29.5	32.3	35.2	32.3	29.5
35°	21.8	23.2	24.6	23.2	21.1
37.5°	16.9	18.3	19.0	17.6	16.2
40°	14.1	14.8	15.5	14.8	14.1
42.5°	12.0	12.7	12.7	12.7	12.0
45°	10.5	10.5	11.3	10.5	10.5
47.5°	9.1	9.1	9.8	9.1	9.1
50°	8.4	8.4	8.4	8.4	8.4
52.5°	7.7	7.7	7.7	7.7	7.7
55°	7.0	7.0	7.0	7.0	7.0
57.5°	6.3	6.3	6.3	6.3	6.3
60°	5.6	5.6	5.6	5.6	5.6
62.5°	4.9	4.9	4.9	4.9	4.9
65°	4.2	4.2	4.2	4.2	4.2
67.5°	4.2	4.2	4.2	4.2	4.2
70°	3.5	3.5	3.5	3.5	3.5
72.5°	2.8	2.8	2.8	2.8	2.8
75°	2.1	2.1	2.1	2.1	2.8
77.5°	2.1	2.1	2.1	2.1	2.1
80°	1.4	1.4	1.4	1.4	1.4
82.5°	1.4	1.4	1.4	1.4	1.4
85°	0.7	0.7	0.7	0.7	0.7
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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