

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: P761960

Luminaire Tested: LD6D20D010-EU6DR1515309030-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P761960
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-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: 1674.1 lumens
Efficiency: N/A
Efficacy: 72.5 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



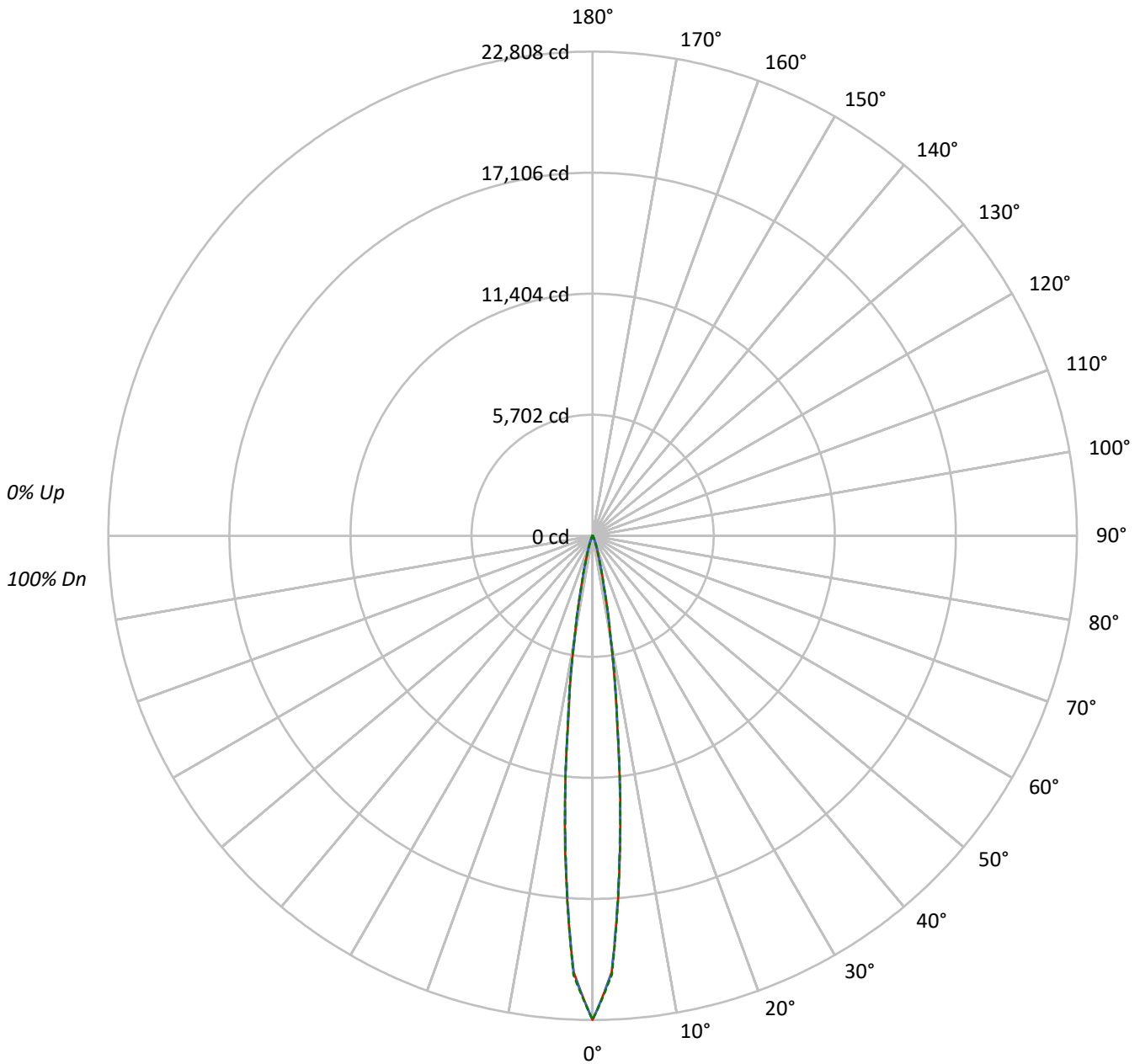
Downlight



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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	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	98	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°	2566377	2566377	2566377
5°	1508122	1488599	1500368
10°	450106	453260	460193
15°	111958	114139	110621
20°	33498	38792	34210
25°	11810	15043	11958
30°	4336	5713	4411
35°	2171	2455	2106
40°	1371	1506	1371
45°	1015	1078	1015
50°	807	807	807
55°	675	675	675
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°	1085.7	64.9
10°-20°	446.6	26.7
20°-30°	88.7	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°	1621.0	96.8
0°-40°	1643.1	98.2
0°-60°	1663.4	99.4
0°-90°	1674.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1674.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	22808	22808	22808	22808	22808	
5°	14840	14687	14647	14749	14763	1084
15°	1289	1313	1314	1291	1274	442
25°	152	172	193	171	154	80
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°	22808.2	22808.2	22808.2	22808.2	22808.2
2.5°	20573.9	20591.3	20598.0	20618.3	20693.6
5°	14839.5	14686.9	14647.4	14748.7	14763.2
7.5°	8790.3	8821.2	8934.2	8959.3	8868.6
10°	4823.9	4863.5	4857.7	4892.4	4932.0
12.5°	2467.0	2436.1	2426.4	2466.0	2411.0
15°	1289.0	1313.1	1314.1	1290.9	1273.6
17.5°	693.3	721.3	767.6	730.0	672.0
20°	409.4	434.5	474.1	443.2	418.1
22.5°	253.0	273.3	301.3	277.1	256.8
25°	151.6	171.9	193.1	170.9	153.5
27.5°	89.8	107.2	120.7	106.2	88.8
30°	57.9	67.6	76.3	66.6	58.9
32.5°	40.6	44.4	48.3	44.4	40.6
35°	29.9	31.9	33.8	31.9	29.0
37.5°	23.2	25.1	26.1	24.1	22.2
40°	19.3	20.3	21.2	20.3	19.3
42.5°	16.4	17.4	17.4	17.4	16.4
45°	14.5	14.5	15.4	14.5	14.5
47.5°	12.6	12.6	13.5	12.6	12.6
50°	11.6	11.6	11.6	11.6	11.6
52.5°	10.6	10.6	10.6	10.6	10.6
55°	9.7	9.7	9.7	9.7	9.7
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°	6.8	6.8	6.8	6.8	6.8
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	2.9
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

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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