

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: P768772

Luminaire Tested: LD6D60D010-EU6DR3055659040-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768772
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/2/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD6D60D010-EU6DR3055659040-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5616.3 lumens
Efficiency: N/A
Efficacy: 87.2 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')
CIE Type: Direct

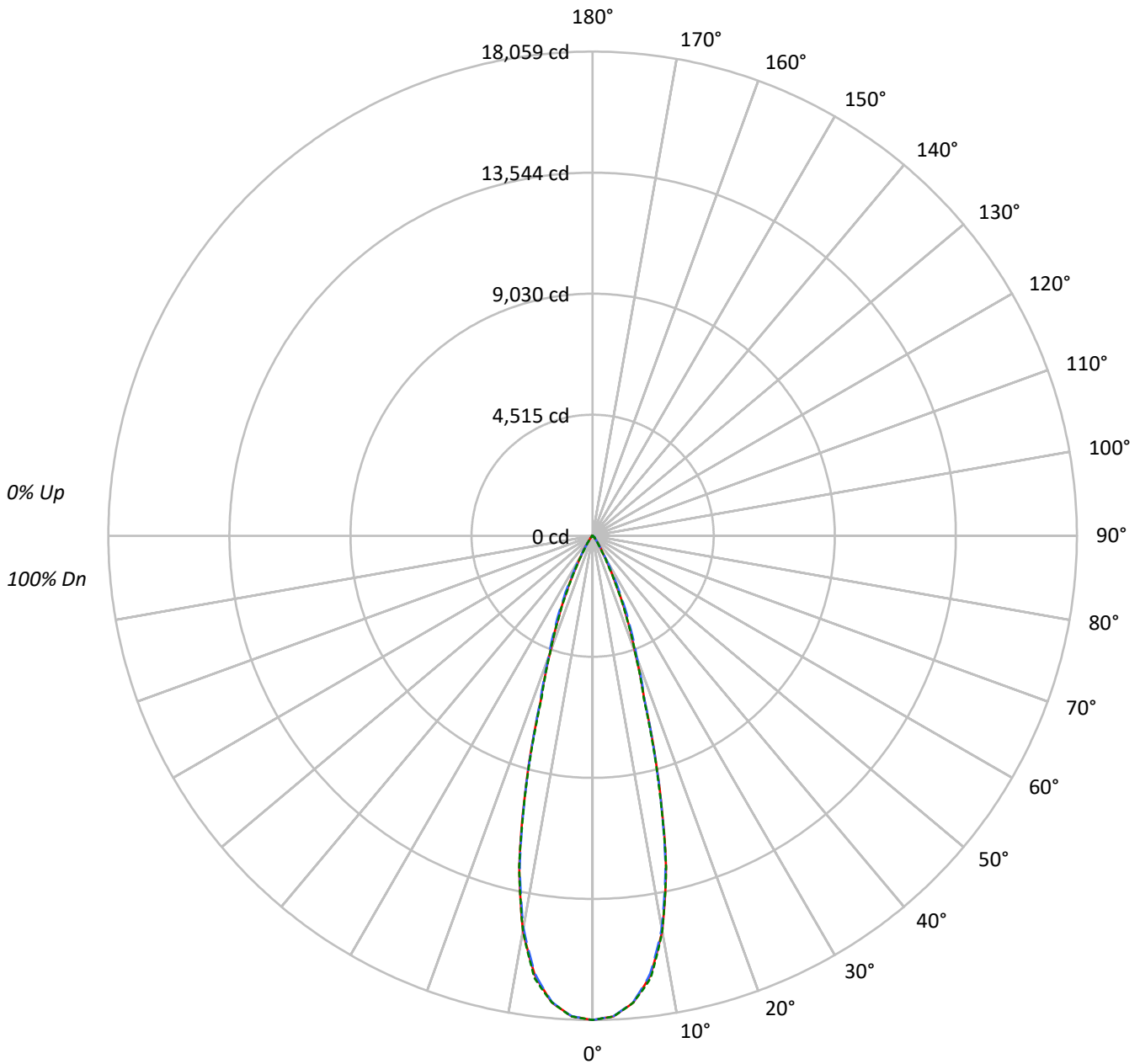
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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																			
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96																			
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92																			
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89																			
4	103	98	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85																			
5	100	94	89	86	98	93	89	86	91	88	85	90	86	84	88	86	83	82																			
6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79																			
7	94	87	82	79	92	86	82	79	85	81	78	84	81	78	83	80	78	77																			
8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74																			
9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72																			
10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1382297	1382297	1382297
5°	1342613	1341046	1342682
10°	1162909	1154710	1162630
15°	758741	754668	750872
20°	377287	391444	376782
25°	190052	214316	186159
30°	76090	82914	66297
35°	35293	33798	28332
40°	15238	16917	14349
45°	10749	13336	10847
50°	3691	9717	3906
55°	2135	4017	2242
60°	1500	1760	1500
65°	960	960	960
70°	604	403	604
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 13336 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1588.0	28.3
10°-20°	2557.5	45.5
20°-30°	1105.2	19.7
30°-40°	251.9	4.5
40°-50°	86.5	1.5
50°-60°	21.1	0.4
60°-70°	5.5	0.1
70°-80°	0.6	0.0
80°-90°	0.0	0.0
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°	5250.7	93.5
0°-40°	5502.6	98.0
0°-60°	5610.2	99.9
0°-90°	5616.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5616.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18059	18059	18059	18059	18059	
5°	17474	17457	17453	17490	17475	1589
15°	9575	9460	9523	9492	9476	2564
25°	2250	2335	2538	2276	2204	1077
35°	378	386	362	359	303	256
45°	99	123	123	123	100	70
55°	16	17	30	18	17	16
65°	5	5	5	5	5	5
75°	0	0	1	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	18059.0	18059.0	18059.0	18059.0	18059.0
2.5°	17939.3	17926.9	17934.0	17942.9	17946.4
5°	17473.8	17457.0	17453.4	17489.8	17474.7
7.5°	16534.9	16510.9	16474.6	16557.1	16634.2
10°	14962.0	14935.4	14856.5	14895.5	14958.4
12.5°	12639.9	12553.9	12552.1	12676.2	12659.4
15°	9574.8	9459.5	9523.4	9492.3	9475.5
17.5°	6438.8	6394.4	6479.5	6453.8	6343.0
20°	4631.8	4643.3	4805.6	4724.0	4625.6
22.5°	3379.9	3421.5	3613.9	3403.8	3326.7
25°	2250.3	2335.4	2537.6	2276.0	2204.2
27.5°	1384.0	1423.1	1627.9	1366.3	1327.3
30°	860.9	841.4	938.1	805.1	750.1
32.5°	564.8	540.0	571.0	512.5	468.1
35°	377.7	385.7	361.7	359.1	303.2
37.5°	235.8	271.3	239.4	255.4	195.1
40°	152.5	196.8	169.3	187.1	143.6
42.5°	125.0	151.6	139.2	148.1	127.7
45°	99.3	123.2	123.2	123.2	100.2
47.5°	55.0	82.5	105.5	84.2	58.5
50°	31.0	41.7	81.6	43.4	32.8
52.5°	21.3	23.9	55.9	24.8	22.2
55°	16.0	16.8	30.1	17.7	16.8
57.5°	12.4	13.3	16.0	13.3	12.4
60°	9.8	9.8	11.5	10.6	9.8
62.5°	7.1	7.1	8.0	7.1	7.1
65°	5.3	5.3	5.3	5.3	5.3
67.5°	2.7	3.5	3.5	3.5	3.5
70°	2.7	1.8	1.8	1.8	2.7
72.5°	1.8	0.9	0.9	0.9	0.9
75°	0.0	0.0	0.9	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
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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