

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: P768733

Luminaire Tested: LD6D60D010-EU6DR3055659027-6LBSQW1B

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768733
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-EU6DR3055659027-6LBSQW1B
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5153.8 lumens
Efficiency: N/A
Efficacy: 80.0 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

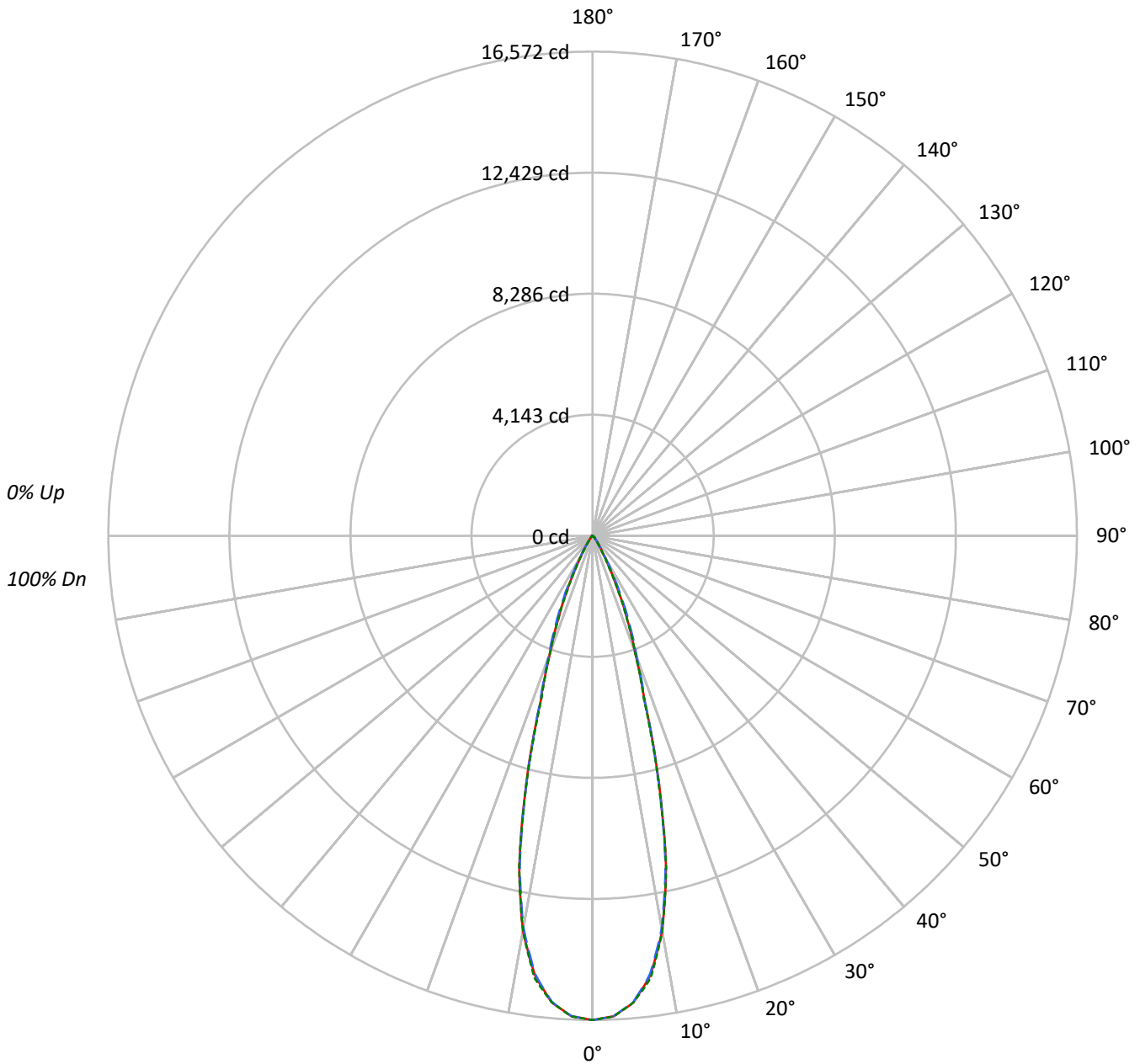
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	1268462	1268462	1268462
5°	1232046	1230610	1232108
10°	1067138	1059614	1066889
15°	696258	692517	689039
20°	346212	359204	345755
25°	174402	196665	170830
30°	69824	76082	60835
35°	32387	31023	26005
40°	13979	15528	13169
45°	9861	12243	9948
50°	3394	8919	3584
55°	1948	3697	2068
60°	1362	1623	1362
65°	887	887	887
70°	537	358	537
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°

Vertical Angle: 45°

Luminance: 12243 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1457.2	28.3
10°-20°	2346.9	45.5
20°-30°	1014.2	19.7
30°-40°	231.2	4.5
40°-50°	79.4	1.5
50°-60°	19.4	0.4
60°-70°	5.0	0.1
70°-80°	0.5	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°	4818.3	93.5
0°-40°	5049.4	98.0
0°-60°	5148.2	99.9
0°-90°	5153.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5153.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16572	16572	16572	16572	16572	
5°	16035	16019	16016	16050	16036	1458
15°	8786	8680	8739	8711	8695	2353
25°	2065	2143	2329	2089	2023	988
35°	347	354	332	330	278	235
45°	91	113	113	113	92	65
55°	15	16	28	16	16	14
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°	16571.8	16571.8	16571.8	16571.8	16571.8
2.5°	16462.0	16450.6	16457.1	16465.2	16468.5
5°	16034.8	16019.4	16016.1	16049.5	16035.6
7.5°	15173.2	15151.2	15117.9	15193.5	15264.3
10°	13729.8	13705.4	13633.0	13668.8	13726.6
12.5°	11599.0	11520.0	11518.4	11632.3	11616.9
15°	8786.3	8680.5	8739.1	8710.6	8695.2
17.5°	5908.5	5867.8	5945.9	5922.3	5820.6
20°	4250.3	4260.9	4409.8	4335.0	4244.7
22.5°	3101.5	3139.8	3316.3	3123.5	3052.7
25°	2065.0	2143.1	2328.6	2088.6	2022.7
27.5°	1270.1	1305.9	1493.8	1253.8	1218.0
30°	790.0	772.1	860.8	738.8	688.3
32.5°	518.3	495.5	524.0	470.3	429.6
35°	346.6	353.9	332.0	329.5	278.3
37.5°	216.4	249.0	219.7	234.3	179.0
40°	139.9	180.6	155.4	171.7	131.8
42.5°	114.7	139.1	127.7	135.9	117.2
45°	91.1	113.1	113.1	113.1	91.9
47.5°	50.4	75.7	96.8	77.3	53.7
50°	28.5	38.2	74.9	39.9	30.1
52.5°	19.5	22.0	51.3	22.8	20.3
55°	14.6	15.5	27.7	16.3	15.5
57.5°	11.4	12.2	14.6	12.2	11.4
60°	8.9	8.9	10.6	9.8	8.9
62.5°	6.5	6.5	7.3	6.5	6.5
65°	4.9	4.9	4.9	4.9	4.9
67.5°	2.4	3.3	3.3	3.3	3.3
70°	2.4	1.6	1.6	1.6	2.4
72.5°	1.6	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.8	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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