

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: P768734

Luminaire Tested: LD6D60D010-EU6DR3055659027-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P768734
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-EU6DR3055659027-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5705.9 lumens
Efficiency: N/A
Efficacy: 88.6 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

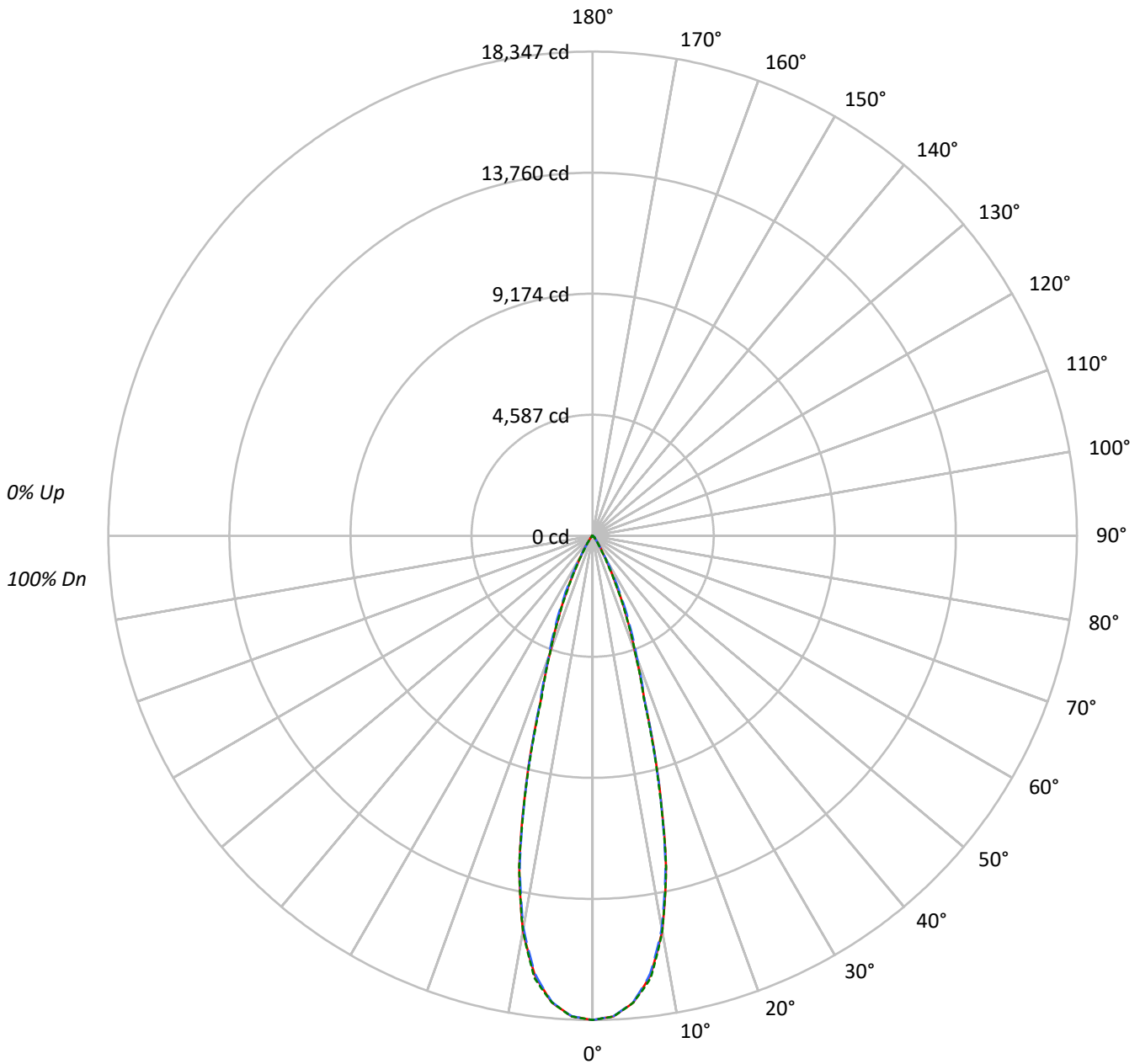
Input Watts (W): 64.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1404357	1404357	1404357
5°	1364043	1362452	1364112
10°	1181470	1173138	1181190
15°	770850	766713	762854
20°	383306	397692	382793
25°	193084	217737	189131
30°	77310	84231	67358
35°	35854	34340	28790
40°	15478	17196	14578
45°	10922	13553	11020
50°	3751	9872	3965
55°	2162	4084	2282
60°	1516	1791	1516
65°	978	978	978
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: 13553 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1613.4	28.3
10°-20°	2598.3	45.5
20°-30°	1122.8	19.7
30°-40°	255.9	4.5
40°-50°	87.9	1.5
50°-60°	21.4	0.4
60°-70°	5.6	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°	5334.5	93.5
0°-40°	5590.4	98.0
0°-60°	5699.7	99.9
0°-90°	5705.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5705.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	18347	18347	18347	18347	18347	
5°	17753	17736	17732	17769	17754	1615
15°	9728	9610	9675	9644	9627	2605
25°	2286	2373	2578	2312	2239	1094
35°	384	392	368	365	308	260
45°	101	125	125	125	102	72
55°	16	17	31	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°	18347.2	18347.2	18347.2	18347.2	18347.2
2.5°	18225.6	18213.0	18220.2	18229.2	18232.8
5°	17752.7	17735.6	17732.0	17768.9	17753.6
7.5°	16798.8	16774.5	16737.5	16821.3	16899.7
10°	15200.8	15173.8	15093.6	15133.2	15197.2
12.5°	12841.6	12754.2	12752.4	12878.6	12861.4
15°	9727.6	9610.5	9675.4	9643.8	9626.7
17.5°	6541.5	6496.5	6583.0	6556.8	6444.2
20°	4705.7	4717.4	4882.3	4799.4	4699.4
22.5°	3433.8	3476.1	3671.6	3458.1	3379.8
25°	2286.2	2372.7	2578.1	2312.3	2239.4
27.5°	1406.1	1445.8	1653.8	1388.1	1348.5
30°	874.7	854.8	953.0	817.9	762.1
32.5°	573.8	548.6	580.1	520.7	475.6
35°	383.7	391.8	367.5	364.8	308.1
37.5°	239.6	275.6	243.2	259.4	198.2
40°	154.9	200.0	172.1	190.1	145.9
42.5°	127.0	154.0	141.4	150.4	129.7
45°	100.9	125.2	125.2	125.2	101.8
47.5°	55.8	83.8	107.2	85.6	59.5
50°	31.5	42.3	82.9	44.1	33.3
52.5°	21.6	24.3	56.7	25.2	22.5
55°	16.2	17.1	30.6	18.0	17.1
57.5°	12.6	13.5	16.2	13.5	12.6
60°	9.9	9.9	11.7	10.8	9.9
62.5°	7.2	7.2	8.1	7.2	7.2
65°	5.4	5.4	5.4	5.4	5.4
67.5°	2.7	3.6	3.6	3.6	3.6
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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