

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: P767213

Luminaire Tested: LD6D50D010-EU6DR3040509040-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P767213
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: LD6D50D010-EU6DR3040509040-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5001.4 lumens
Efficiency: N/A
Efficacy: 106.4 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

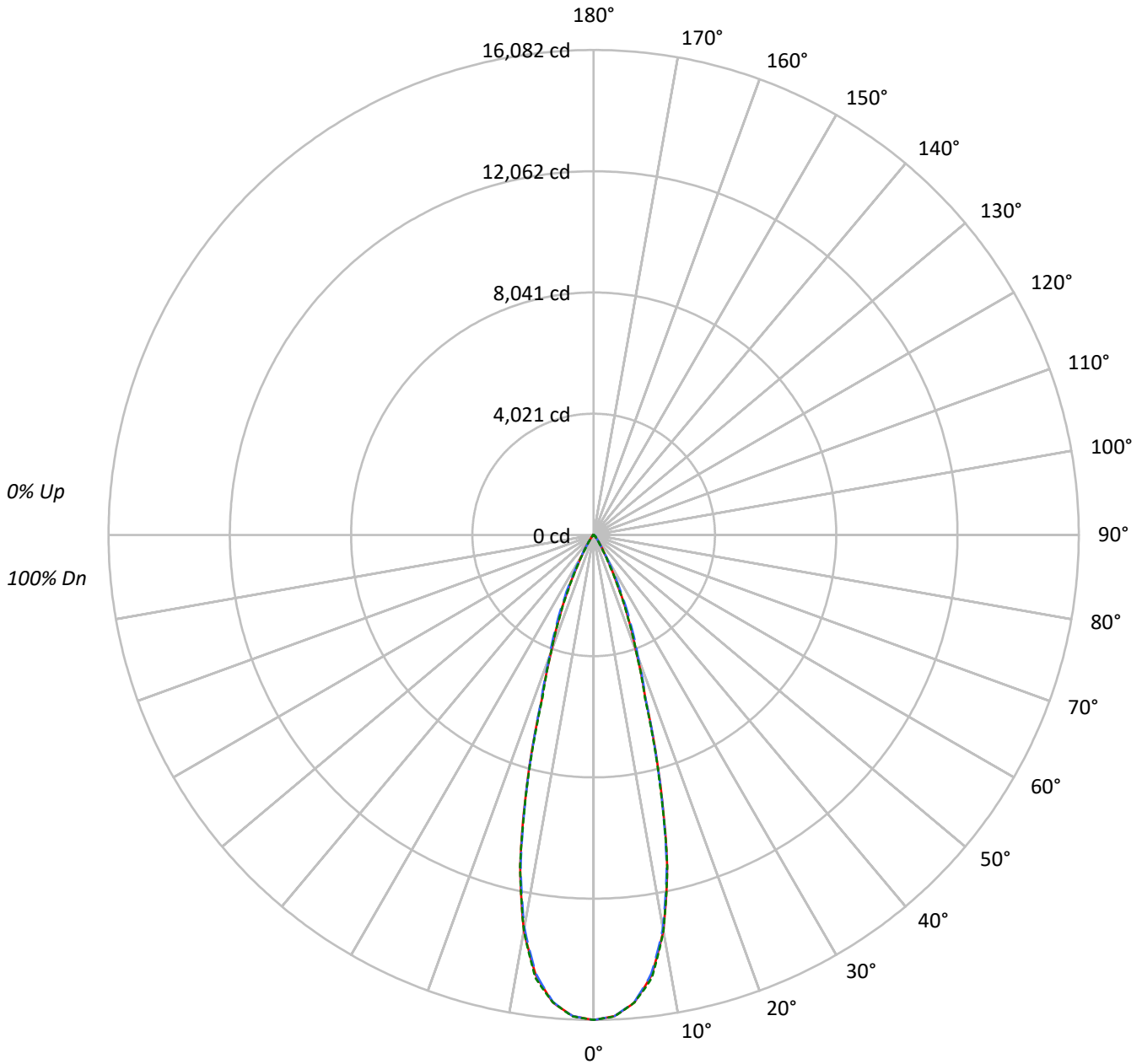
Input Watts (W): 47
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1230956	1230956	1230956
5°	1195619	1194220	1195680
10°	1035589	1028283	1035341
15°	675670	672041	668665
20°	335981	348582	335525
25°	169242	190846	165779
30°	67765	73837	59041
35°	31434	30098	25229
40°	13569	15068	12780
45°	9569	11875	9656
50°	3287	8645	3477
55°	1895	3576	2002
60°	1332	1577	1332
65°	851	851	851
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: 11875 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1414.2	28.3
10°-20°	2277.5	45.5
20°-30°	984.2	19.7
30°-40°	224.3	4.5
40°-50°	77.0	1.5
50°-60°	18.8	0.4
60°-70°	4.9	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°	4675.8	93.5
0°-40°	4900.1	98.0
0°-60°	4996.0	99.9
0°-90°	5001.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5001.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	16082	16082	16082	16082	16082	
5°	15561	15546	15542	15575	15562	1415
15°	8526	8424	8481	8453	8438	2283
25°	2004	2080	2260	2027	1963	959
35°	336	344	322	320	270	228
45°	88	110	110	110	89	63
55°	14	15	27	16	15	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°	16081.8	16081.8	16081.8	16081.8	16081.8
2.5°	15975.2	15964.2	15970.5	15978.4	15981.5
5°	15560.7	15545.7	15542.5	15574.9	15561.5
7.5°	14724.6	14703.2	14670.9	14744.3	14813.0
10°	13323.9	13300.2	13229.9	13264.7	13320.7
12.5°	11256.0	11179.4	11177.8	11288.4	11273.4
15°	8526.5	8423.8	8480.7	8453.1	8438.1
17.5°	5733.8	5694.3	5770.1	5747.2	5648.5
20°	4124.7	4134.9	4279.4	4206.8	4119.1
22.5°	3009.8	3046.9	3218.3	3031.1	2962.4
25°	2003.9	2079.7	2259.7	2026.8	1962.9
27.5°	1232.5	1267.2	1449.6	1216.7	1182.0
30°	766.7	749.3	835.4	716.9	668.0
32.5°	503.0	480.8	508.5	456.4	416.9
35°	336.4	343.5	322.1	319.8	270.0
37.5°	210.0	241.6	213.2	227.4	173.7
40°	135.8	175.3	150.8	166.6	127.9
42.5°	111.3	135.0	124.0	131.9	113.7
45°	88.4	109.7	109.7	109.7	89.2
47.5°	49.0	73.4	94.0	75.0	52.1
50°	27.6	37.1	72.6	38.7	29.2
52.5°	18.9	21.3	49.7	22.1	19.7
55°	14.2	15.0	26.8	15.8	15.0
57.5°	11.1	11.8	14.2	11.8	11.1
60°	8.7	8.7	10.3	9.5	8.7
62.5°	6.3	6.3	7.1	6.3	6.3
65°	4.7	4.7	4.7	4.7	4.7
67.5°	2.4	3.2	3.2	3.2	3.2
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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