

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P771061

Luminaire Tested: LD6D75BD010-EU6DR3070959024-6LBSQW1MW

Issue Date: 2/2/2024

Test Information

Test Method: LM-79-2019
Report Number: P771061
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: LD6D75BD010-EU6DR3070959024-6LBSQW1MW
Description: 6 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 30° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6001.8 lumens
Efficiency: N/A
Efficacy: 82.9 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

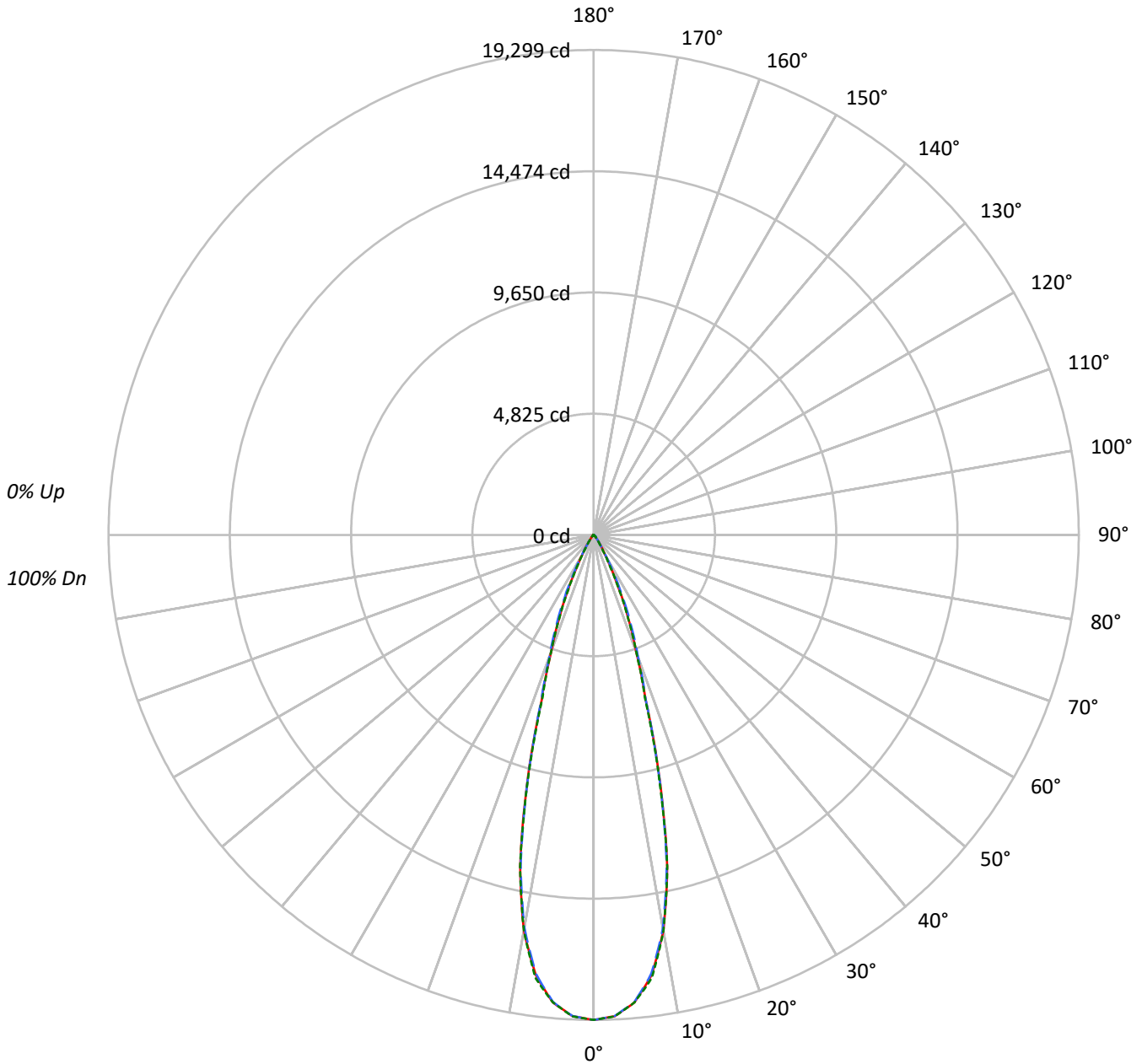
Input Watts (W): 72.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1477203	1477203	1477203
5°	1434793	1433118	1434862
10°	1242748	1233988	1242452
15°	810828	806478	802420
20°	403190	418316	402652
25°	203100	229029	198937
30°	81314	88606	70849
35°	37713	36125	30275
40°	16287	18086	15338
45°	11485	14256	11593
50°	3953	10384	4180
55°	2282	4297	2402
60°	1592	1883	1592
65°	1032	1032	1032
70°	627	425	627
75°	0	266	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 14256 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1697.0	28.3
10°-20°	2733.1	45.5
20°-30°	1181.0	19.7
30°-40°	269.2	4.5
40°-50°	92.4	1.5
50°-60°	22.6	0.4
60°-70°	5.9	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°	5611.2	93.5
0°-40°	5880.4	98.0
0°-60°	5995.4	99.9
0°-90°	6001.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6001.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	19299	19299	19299	19299	19299	
5°	18674	18656	18652	18691	18674	1698
15°	10232	10109	10177	10144	10126	2740
25°	2405	2496	2712	2432	2356	1151
35°	404	412	387	384	324	274
45°	106	132	132	132	107	75
55°	17	18	32	19	18	17
65°	6	6	6	6	6	6
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°	19298.9	19298.9	19298.9	19298.9	19298.9
2.5°	19170.9	19157.7	19165.3	19174.7	19178.5
5°	18673.5	18655.5	18651.7	18690.6	18674.4
7.5°	17670.1	17644.5	17605.7	17693.8	17776.2
10°	15989.2	15960.8	15876.5	15918.1	15985.4
12.5°	13507.7	13415.8	13413.9	13546.5	13528.5
15°	10232.1	10109.0	10177.2	10144.0	10126.0
17.5°	6880.8	6833.4	6924.4	6896.9	6778.5
20°	4949.8	4962.1	5135.5	5048.3	4943.2
22.5°	3611.9	3656.4	3862.0	3637.5	3555.1
25°	2404.8	2495.7	2711.8	2432.3	2355.5
27.5°	1479.1	1520.8	1739.6	1460.1	1418.4
30°	920.0	899.2	1002.5	860.3	801.6
32.5°	603.6	577.0	610.2	547.7	500.3
35°	403.6	412.2	386.6	383.7	324.0
37.5°	252.0	289.9	255.8	272.9	208.5
40°	163.0	210.3	181.0	199.9	153.5
42.5°	133.6	162.0	148.8	158.2	136.4
45°	106.1	131.7	131.7	131.7	107.1
47.5°	58.7	88.1	112.8	90.0	62.5
50°	33.2	44.5	87.2	46.4	35.1
52.5°	22.7	25.6	59.7	26.5	23.7
55°	17.1	18.0	32.2	19.0	18.0
57.5°	13.3	14.2	17.1	14.2	13.3
60°	10.4	10.4	12.3	11.4	10.4
62.5°	7.6	7.6	8.5	7.6	7.6
65°	5.7	5.7	5.7	5.7	5.7
67.5°	2.8	3.8	3.8	3.8	3.8
70°	2.8	1.9	1.9	1.9	2.8
72.5°	1.9	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

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Scaled Data Report





— 0°-180° - - 45°-225° - - - - 90°-270°

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