

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: P751450

Luminaire Tested: LD4D65D010-EU4DR3055659027-4LBSQW1MW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P751450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D65D010-EU4DR3055659027-4LBSQW1MW
Description: 4 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: 5303.0 lumens
Efficiency: N/A
Efficacy: 72.8 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

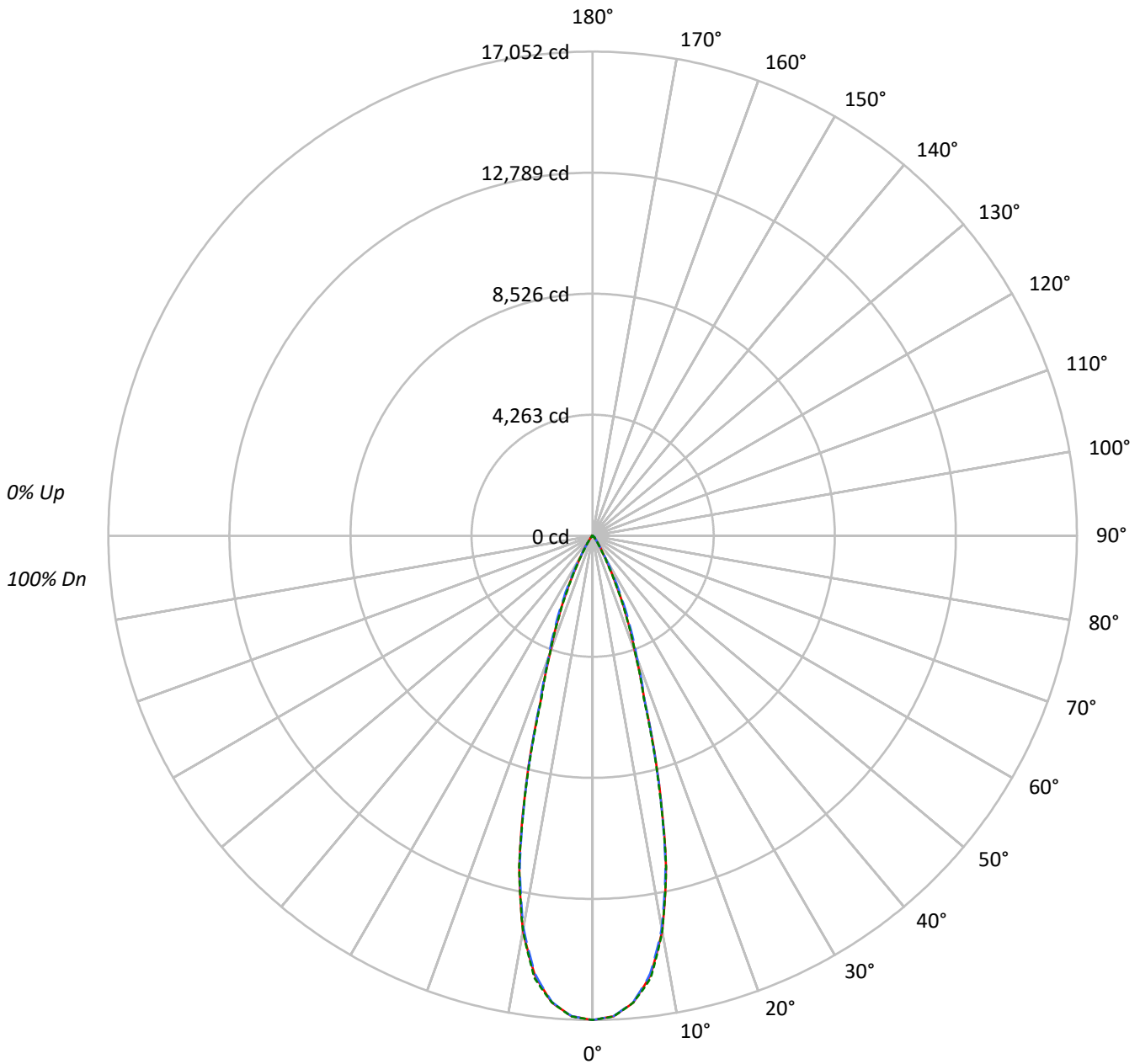
Input Watts (W): 72.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	1305210	1305210	1305210
5°	1267737	1266261	1267806
10°	1098056	1090307	1097792
15°	716425	712574	708992
20°	356247	369614	355766
25°	179453	202357	175779
30°	71848	78282	62603
35°	33322	31920	26753
40°	14389	15977	13549
45°	10154	12600	10240
50°	3489	9169	3691
55°	2015	3803	2122
60°	1408	1669	1408
65°	906	906	906
70°	559	380	559
75°	0	237	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 12600 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1499.5	28.3
10°-20°	2414.9	45.5
20°-30°	1043.5	19.7
30°-40°	237.8	4.5
40°-50°	81.7	1.5
50°-60°	19.9	0.4
60°-70°	5.2	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°	4957.9	93.5
0°-40°	5195.7	98.0
0°-60°	5297.3	99.9
0°-90°	5303.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5303.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17052	17052	17052	17052	17052	
5°	16499	16483	16480	16514	16500	1501
15°	9041	8932	8992	8963	8947	2421
25°	2125	2205	2396	2149	2081	1017
35°	357	364	342	339	286	242
45°	94	116	116	116	95	67
55°	15	16	28	17	16	15
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°	17051.9	17051.9	17051.9	17051.9	17051.9
2.5°	16938.8	16927.1	16933.8	16942.2	16945.5
5°	16499.3	16483.4	16480.1	16514.4	16500.2
7.5°	15612.7	15590.1	15555.8	15633.7	15706.5
10°	14127.6	14102.5	14027.9	14064.8	14124.2
12.5°	11935.0	11853.8	11852.1	11969.3	11953.4
15°	9040.8	8932.0	8992.2	8962.9	8947.0
17.5°	6079.7	6037.8	6118.2	6093.9	5989.3
20°	4373.5	4384.4	4537.6	4460.5	4367.6
22.5°	3191.4	3230.7	3412.4	3214.0	3141.1
25°	2124.8	2205.2	2396.0	2149.1	2081.3
27.5°	1306.9	1343.7	1537.1	1290.1	1253.3
30°	812.9	794.5	885.7	760.2	708.3
32.5°	533.3	509.8	539.1	483.9	442.0
35°	356.6	364.2	341.6	339.1	286.3
37.5°	222.7	256.2	226.0	241.1	184.2
40°	144.0	185.9	159.9	176.6	135.6
42.5°	118.0	143.2	131.4	139.8	120.6
45°	93.8	116.4	116.4	116.4	94.6
47.5°	51.9	77.9	99.6	79.5	55.3
50°	29.3	39.3	77.0	41.0	31.0
52.5°	20.1	22.6	52.7	23.4	20.9
55°	15.1	15.9	28.5	16.7	15.9
57.5°	11.7	12.6	15.1	12.6	11.7
60°	9.2	9.2	10.9	10.0	9.2
62.5°	6.7	6.7	7.5	6.7	6.7
65°	5.0	5.0	5.0	5.0	5.0
67.5°	2.5	3.3	3.3	3.3	3.3
70°	2.5	1.7	1.7	1.7	2.5
72.5°	1.7	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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