

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: P750436

Luminaire Tested: LD4D55D010-EU4DR6555659027-4LBSQW1MW

Issue Date: 2/5/2024

Test Information

Test Method: LM-79-2019
Report Number: P750436
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-59)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/5/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D55D010-EU4DR6555659027-4LBSQW1MW
Description: 4 INCH SQAURE DEEP 45° CUTOFF MATTE WHITE TRIM, WITH 65° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4186.7 lumens
Efficiency: N/A
Efficacy: 71.9 lumens/watt
Spacing Criteria (0/90/45): 0.98 / 0.98 / 0.92
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

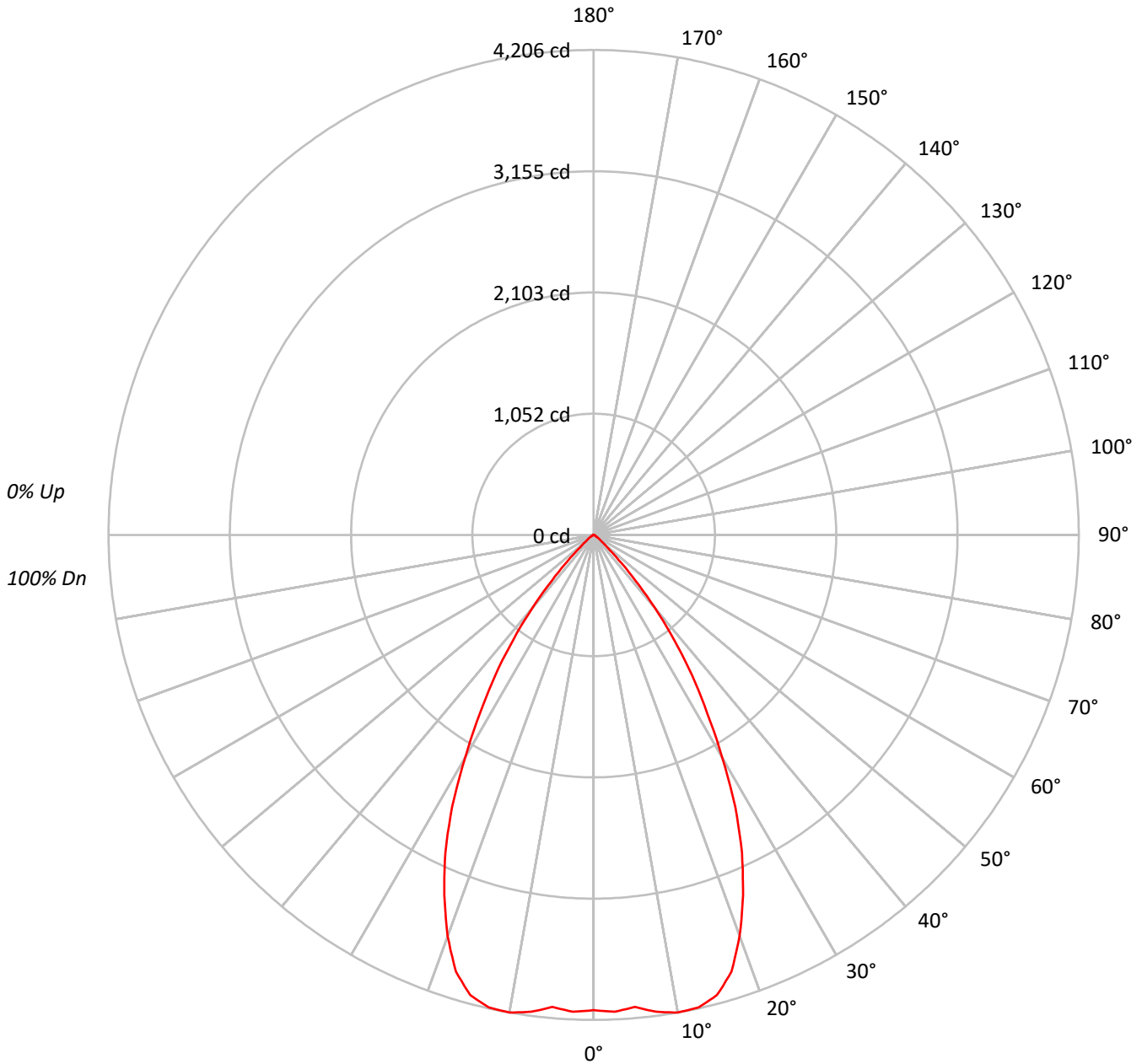
Input Watts (W): 58.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93		
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87		
3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80		
4	97	89	84	79	95	88	83	79	86	82	78	84	80	77	82	79	76	75		
5	92	83	78	73	90	83	77	73	81	76	72	79	75	72	77	74	71	69		
6	87	78	72	68	86	77	72	68	76	71	67	74	70	67	73	69	66	65		
7	83	73	67	63	81	73	67	63	71	66	62	70	66	62	69	65	62	60		
8	79	69	63	59	77	68	63	59	67	62	58	66	62	58	65	61	58	57		
9	75	65	59	55	74	65	59	55	64	58	55	63	58	55	62	58	54	53		
10	71	61	56	52	70	61	55	52	60	55	51	59	55	51	59	54	51	50		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	450384
5°	450755
10°	466629
15°	467403
20°	430314
25°	366647
30°	280688
35°	198300
40°	117056
45°	47514
50°	17219
55°	9601
60°	5507
65°	3025
70°	3195
75°	2491
80°	2580
85°	2257

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 47514 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	396.9	9.5
10°-20°	1145.0	27.3
20°-30°	1373.7	32.8
30°-40°	923.2	22.1
40°-50°	276.3	6.6
50°-60°	48.8	1.2
60°-70°	13.9	0.3
70°-80°	6.8	0.2
80°-90°	2.2	0.1
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°	2915.6	69.6
0°-40°	3838.8	91.7
0°-60°	4163.9	99.5
0°-90°	4186.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4186.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4122	
5°	4110	397
15°	4132	1145
25°	3041	1374
35°	1487	923
45°	308	276
55°	50	49
65°	12	14
75°	6	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4122.1
2.5°	4139.7
5°	4109.8
7.5°	4171.9
10°	4205.9
12.5°	4197.7
15°	4132.1
17.5°	3971.6
20°	3700.9
22.5°	3382.3
25°	3041.3
27.5°	2656.5
30°	2224.8
32.5°	1833.5
35°	1486.7
37.5°	1144.0
40°	820.7
42.5°	536.0
45°	307.5
47.5°	162.8
50°	101.3
52.5°	70.3
55°	50.4
57.5°	36.3
60°	25.2
62.5°	16.4
65°	11.7
67.5°	10.5
70°	10.0
72.5°	7.6
75°	5.9
77.5°	5.3
80°	4.1
82.5°	2.9
85°	1.8
87.5°	1.2
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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