

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: P749815

Luminaire Tested: LD4D55D010-EU4DR2555659030-4LBCSSQMW

Issue Date: 1/30/2024

Test Information

Test Method: LM-79-2019
Report Number: P749815
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/30/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LD4D55D010-EU4DR2555659030-4LBCSSQMW
Description: 4 INCH SQAURE SHALLOW CAST MATTE WHITE TRIM, WITH 25° OPTIC
Light Source: (1) HIGH LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

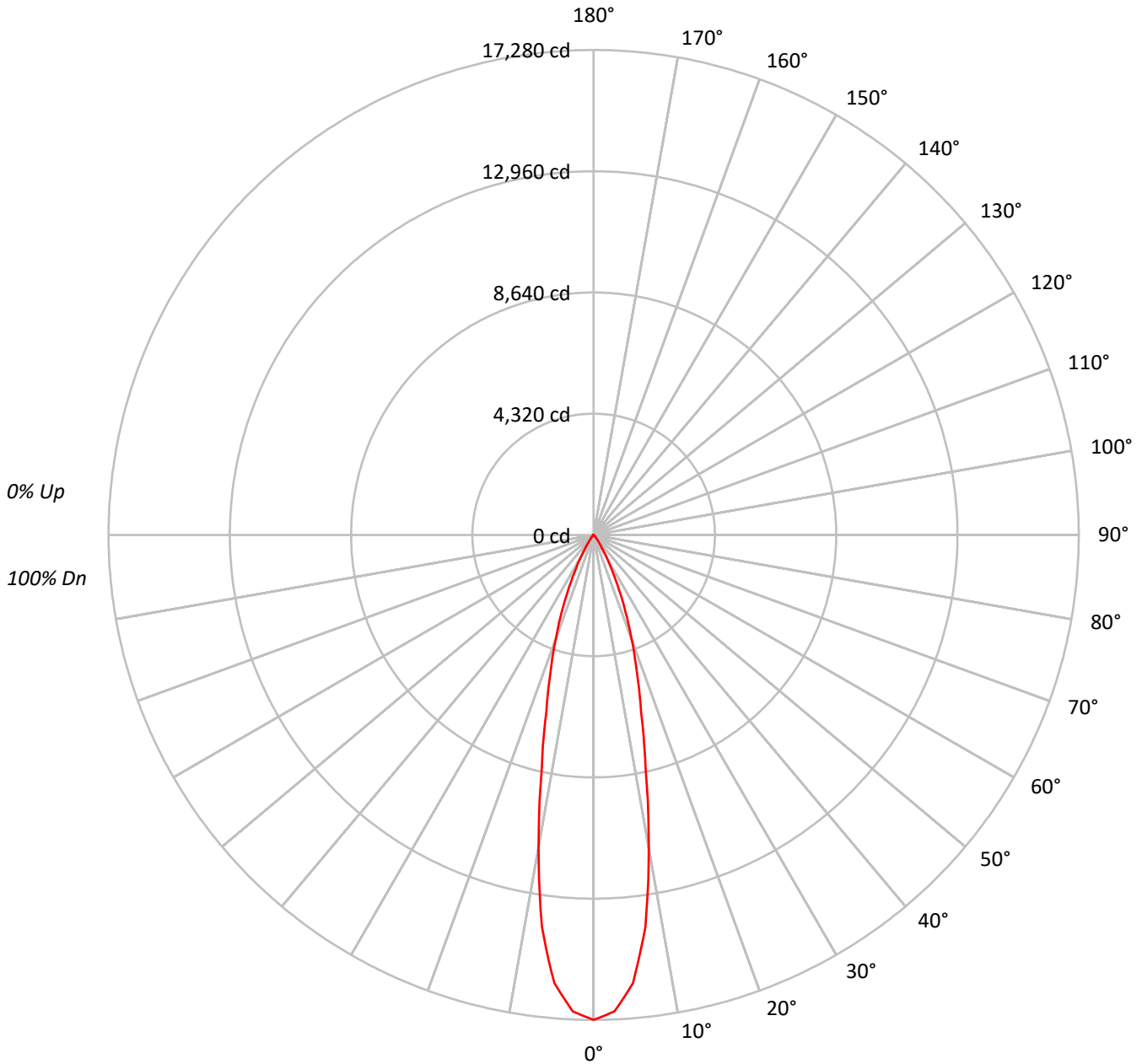
Lumens per Lamp: N/A
Luminaire Lumens: 4556.0 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 0.42 / 0.42 / 0.45
Luminous Opening: Circular (Dia: 0.35' x H: 0')
CIE Type: Direct

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																		
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	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	100	100	100	100	100	100	100	100																			
	1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	96	96	96	96	96	96	96	96	96																			
	2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	92	92	92	92	92	92	92	92	92																			
	3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	89	89	89	89	89	89	89	89	89																			
	4	103	97	93	90	102	96	93	90	94	91	89	93	90	88	91	89	87	85	85	85	85	85	85	85	85	85																			
	5	100	93	89	86	98	93	89	86	91	87	85	89	86	84	88	85	83	82	82	82	82	82	82	82	82	82																			
	6	97	90	85	82	95	89	85	82	88	84	81	87	83	81	85	83	80	79	79	79	79	79	79	79	79	79																			
	7	93	87	82	79	92	86	82	79	85	81	78	84	80	78	83	80	78	77	77	77	77	77	77	77	77	77																			
	8	91	84	79	76	90	83	79	76	82	78	76	81	78	75	80	77	75	74	74	74	74	74	74	74	74	74																			
	9	88	81	76	73	87	80	76	73	80	76	73	79	75	73	78	75	73	72	72	72	72	72	72	72	72	72																			
	10	85	78	74	71	85	78	74	71	77	73	71	76	73	71	76	73	70	69	69	69	69	69	69	69	69	69																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1887982
5°	1758414
10°	1254325
15°	738754
20°	459662
25°	252263
30°	115364
35°	43696
40°	19783
45°	11898
50°	4946
55°	3181
60°	2229
65°	1499
70°	224
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11898 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1377.9	30.2
10°-20°	1866.2	41.0
20°-30°	987.6	21.7
30°-40°	243.8	5.4
40°-50°	59.5	1.3
50°-60°	15.7	0.3
60°-70°	5.3	0.1
70°-80°	0.1	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°	4231.7	92.9
0°-40°	4475.5	98.2
0°-60°	4550.6	99.9
0°-90°	4556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4556.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	17280	
5°	16032	###
15°	6531	1866
25°	2092	988
35°	328	244
45°	77	59
55°	17	16
65°	6	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	17279.6
2.5°	16995.6
5°	16032.5
7.5°	14097.6
10°	11305.7
12.5°	8546.5
15°	6531.0
17.5°	5090.0
20°	3953.3
22.5°	2964.8
25°	2092.5
27.5°	1403.2
30°	914.4
32.5°	556.4
35°	327.6
37.5°	200.5
40°	138.7
42.5°	106.0
45°	77.0
47.5°	46.5
50°	29.1
52.5°	21.1
55°	16.7
57.5°	13.1
60°	10.2
62.5°	8.0
65°	5.8
67.5°	2.2
70°	0.7
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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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