

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: P1312601

Luminaire Tested: LDSQA3D13R459050DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312601
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R459050DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

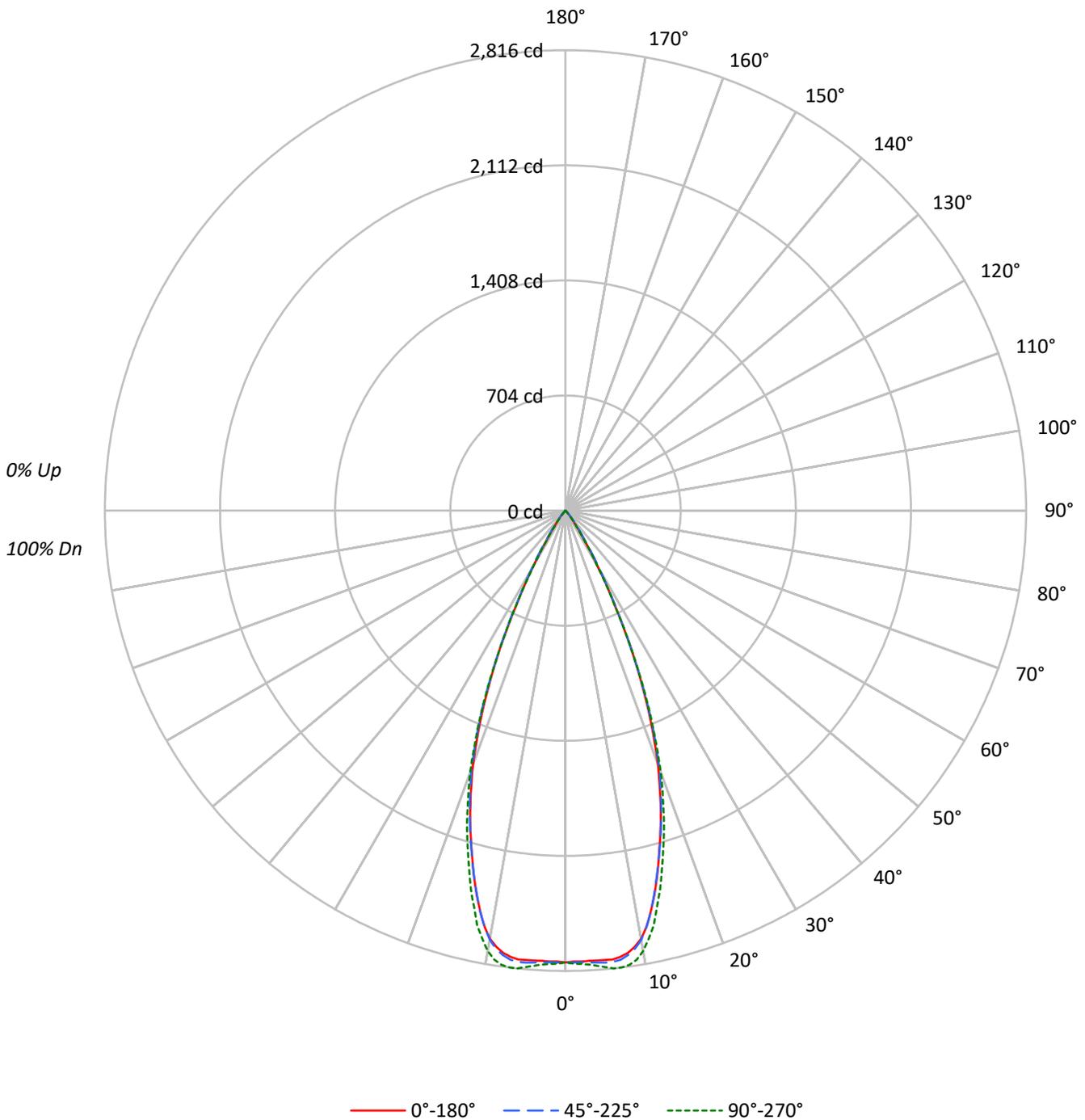
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1429.0 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	476006	476006	476006
5°	477098	479847	484619
10°	465144	466071	478348
15°	392434	392612	405485
20°	302918	307206	312265
25°	187917	188126	189343
30°	77518	82390	76265
35°	24115	29476	23232
40°	7397	10274	6924
45°	511	3873	511
50°	0	563	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 3873 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.1	18.4
10°-20°	611.6	42.8
20°-30°	448.7	31.4
30°-40°	96.4	6.7
40°-50°	9.2	0.6
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	1323.4	92.6
0°-40°	1419.8	99.4
0°-60°	1429.0	100.0
0°-90°	1429.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1429.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2764	2764	2764	2764	2764	
5°	2760	2767	2776	2795	2803	261
15°	2201	2197	2202	2237	2274	606
25°	989	986	990	990	996	444
35°	115	123	140	120	110	90
45°	2	6	16	6	2	5
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
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°	2763.9	2763.9	2763.9	2763.9	2763.9
1°	2758.6	2765.0	2765.0	2769.2	2771.4
2°	2760.7	2765.0	2763.9	2771.4	2774.6
3°	2757.6	2765.0	2767.1	2775.6	2780.9
4°	2758.6	2765.0	2771.4	2784.1	2791.6
5°	2759.7	2767.1	2775.6	2794.7	2803.2
6°	2760.7	2766.1	2775.6	2800.1	2816.0
7°	2750.1	2757.6	2768.2	2799.0	2816.0
8°	2733.1	2737.4	2745.9	2786.2	2806.4
9°	2701.3	2700.2	2712.9	2757.6	2780.9
10°	2659.8	2647.1	2665.1	2709.8	2735.3
11°	2592.9	2579.1	2595.0	2642.8	2667.3
12°	2505.8	2505.8	2509.0	2551.5	2594.0
13°	2413.4	2402.8	2409.1	2456.9	2486.7
14°	2311.4	2300.8	2307.2	2343.3	2390.0
15°	2201.0	2196.7	2202.0	2237.1	2274.2
17.5°	1938.6	1929.0	1948.1	1983.2	2002.3
20°	1652.8	1668.8	1676.2	1698.5	1703.8
22.5°	1324.6	1341.6	1352.2	1355.4	1358.6
25°	988.9	985.8	990.0	990.0	996.4
27.5°	650.1	650.1	661.8	654.3	646.9
30°	389.8	405.8	414.3	400.5	383.5
32.5°	212.4	228.4	242.2	222.0	207.1
35°	114.7	123.2	140.2	120.0	110.5
37.5°	62.7	70.1	80.7	68.0	62.7
40°	32.9	40.4	45.7	40.4	30.8
42.5°	10.6	20.2	26.6	20.2	9.6
45°	2.1	6.4	15.9	6.4	2.1
47.5°	0.0	1.1	7.4	1.1	0.0
50°	0.0	0.0	2.1	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)