

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: P1323945

Luminaire Tested: LDSQA3D13R459030D2WDE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323945
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: LDSQA3D13R459030D2WDE010 3LSQCDR1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

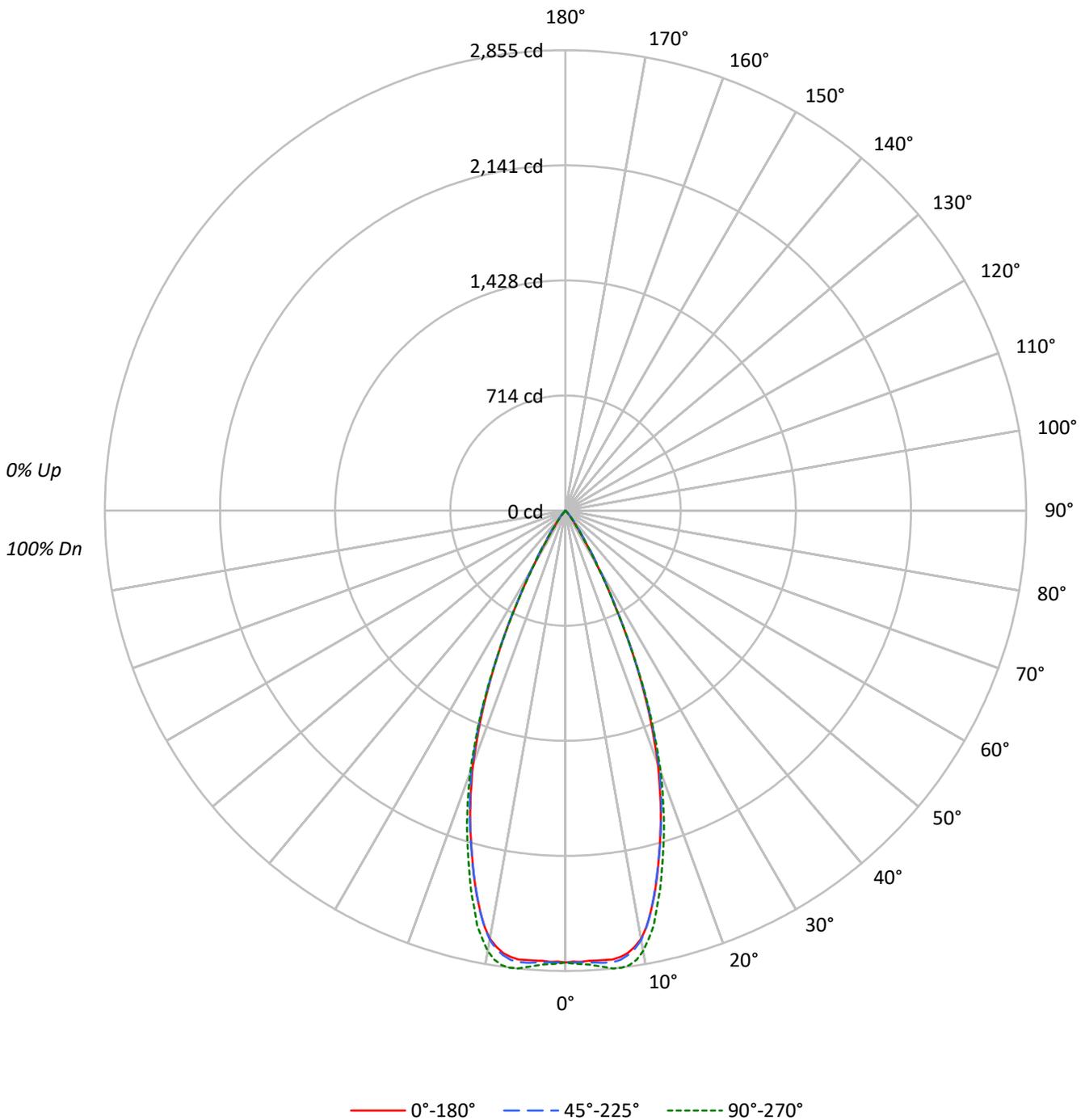
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1449.0 lumens
Efficiency: N/A
Efficacy: 72.1 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): 20.1
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	84	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	80	80	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	77	77	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	73	73	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	70	70	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	67	67	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	65	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	482671	482671	482671
5°	483772	486572	491413
10°	471667	472594	485028
15°	397925	398104	411173
20°	307170	311513	316645
25°	190559	190768	191984
30°	78612	83543	77319
35°	24451	29897	23547
40°	7509	10409	7014
45°	536	3946	536
50°	0	589	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: 3946 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.7	18.4
10°-20°	620.2	42.8
20°-30°	455.0	31.4
30°-40°	97.8	6.7
40°-50°	9.3	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°	1341.9	92.6
0°-40°	1439.6	99.4
0°-60°	1449.0	100.0
0°-90°	1449.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1449.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2803	2803	2803	2803	2803	
5°	2798	2806	2814	2834	2842	265
15°	2232	2227	2233	2268	2306	615
25°	1003	1000	1004	1004	1010	450
35°	116	125	142	122	112	92
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°	2802.6	2802.6	2802.6	2802.6	2802.6
1°	2797.2	2803.7	2803.7	2808.0	2810.2
2°	2799.4	2803.7	2802.6	2810.2	2813.4
3°	2796.2	2803.7	2805.9	2814.5	2819.9
4°	2797.2	2803.7	2810.2	2823.1	2830.6
5°	2798.3	2805.9	2814.5	2833.9	2842.5
6°	2799.4	2804.8	2814.5	2839.2	2855.4
7°	2788.6	2796.2	2806.9	2838.2	2855.4
8°	2771.4	2775.7	2784.3	2825.2	2845.7
9°	2739.1	2738.0	2750.9	2796.2	2819.9
10°	2697.1	2684.1	2702.4	2747.7	2773.5
11°	2629.2	2615.2	2631.4	2679.8	2704.6
12°	2540.9	2540.9	2544.1	2587.2	2630.3
13°	2447.2	2436.4	2442.9	2491.3	2521.5
14°	2343.8	2333.0	2339.5	2376.1	2423.5
15°	2231.8	2227.4	2232.8	2268.4	2306.1
17.5°	1965.7	1956.0	1975.4	2010.9	2030.3
20°	1676.0	1692.1	1699.7	1722.3	1727.7
22.5°	1343.1	1360.4	1371.2	1374.4	1377.6
25°	1002.8	999.6	1003.9	1003.9	1010.3
27.5°	659.2	659.2	671.0	663.5	656.0
30°	395.3	411.5	420.1	406.1	388.8
32.5°	215.4	231.6	245.6	225.1	210.0
35°	116.3	124.9	142.2	121.7	112.0
37.5°	63.5	71.1	81.9	68.9	63.5
40°	33.4	40.9	46.3	40.9	31.2
42.5°	10.8	20.5	26.9	20.5	9.7
45°	2.2	6.5	16.2	6.5	2.2
47.5°	0.0	1.1	7.5	1.1	0.0
50°	0.0	0.0	2.2	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)