

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: P1311434

Luminaire Tested: LDSQA3D13R159040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311434
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-33)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R159040DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

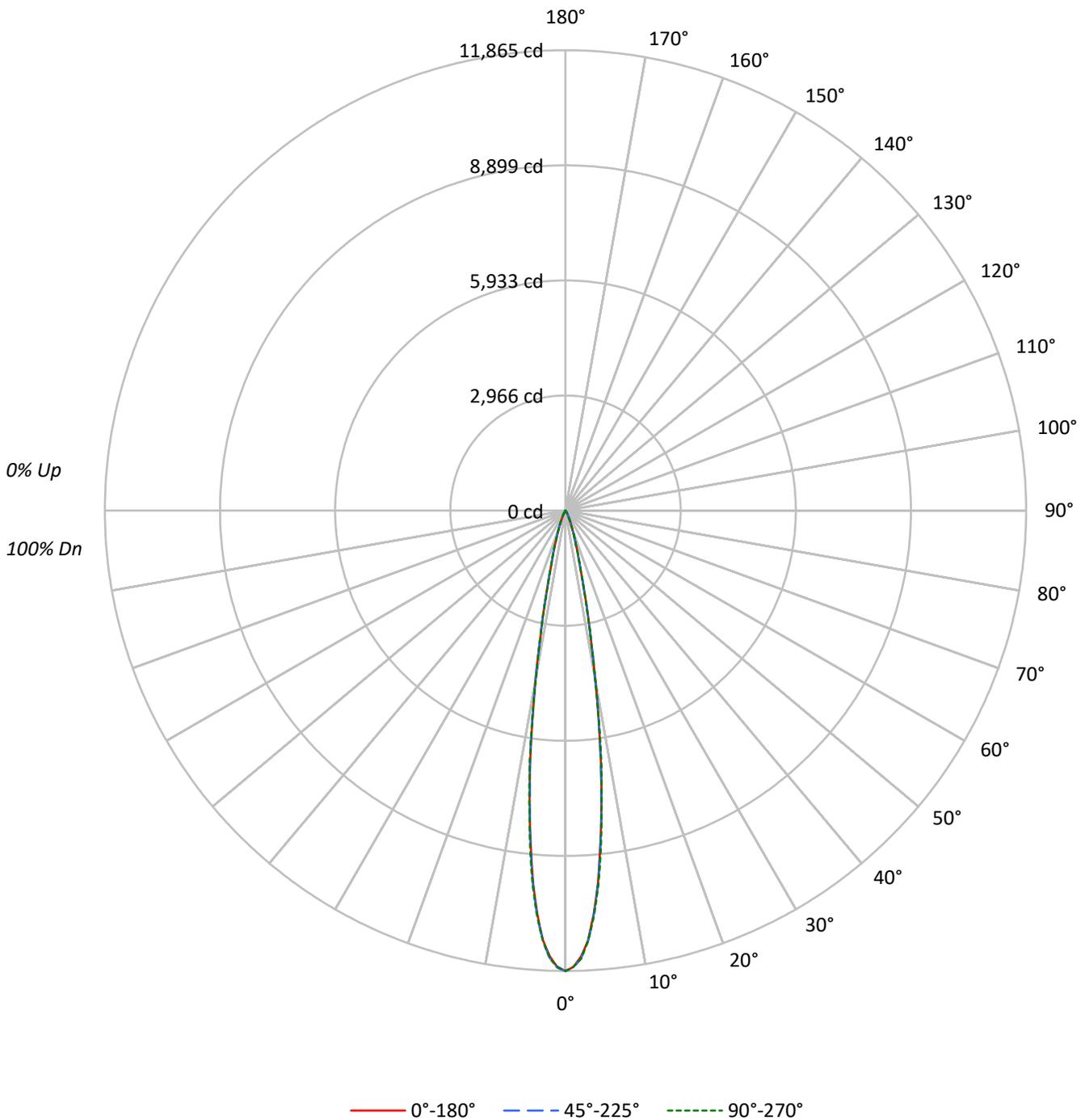
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1331.9 lumens
Efficiency: N/A
Efficacy: 91.2 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.3 / 0.29
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 (A_{in}): 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	116	114	112	111	113	112	110	109	108	107	105	104	103	102	101	100	99	99	98	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	97	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	95	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	93	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	91	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	93	91	89	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	88	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	87	90	88	86	90	88	86	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	85	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2043439	2043439	2043439
5°	1661606	1667398	1673189
10°	773842	774576	770361
15°	239436	248013	243341
20°	95450	100820	94314
25°	39944	47108	37967
30°	16227	21637	14975
35°	5277	9903	4836
40°	1888	4002	1888
45°	755	1267	755
50°	563	831	563
55°	631	631	631
60°	723	723	723
65°	408	408	408
70°	504	504	504
75°	665	665	665
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1267 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	742.7	55.8
10°-20°	444.1	33.3
20°-30°	113.0	8.5
30°-40°	24.6	1.8
40°-50°	4.0	0.3
50°-60°	1.9	0.1
60°-70°	1.1	0.1
70°-80°	0.7	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°	1299.7	97.6
0°-40°	1324.3	99.4
0°-60°	1330.2	99.9
0°-90°	1331.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1331.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	11865	11865	11865	11865	11865	
5°	9611	9625	9645	9601	9678	741
15°	1343	1380	1391	1371	1365	442
25°	210	225	248	220	200	107
35°	25	32	47	31	23	20
45°	3	4	5	4	3	3
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	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°	11865.1	11865.1	11865.1	11865.1	11865.1
1°	11761.6	11781.5	11784.6	11781.5	11764.7
2°	11497.0	11555.6	11543.0	11517.9	11553.5
3°	11088.1	11117.3	11113.2	11115.3	11106.9
4°	10422.9	10474.1	10444.9	10466.8	10468.9
5°	9611.3	9624.9	9644.8	9600.9	9678.3
6°	8612.5	8699.3	8623.0	8698.3	8728.6
7°	7597.0	7647.2	7550.0	7602.3	7633.6
8°	6558.5	6470.7	6524.0	6525.0	6628.6
9°	5437.4	5455.1	5500.1	5448.9	5493.8
10°	4425.0	4465.8	4429.2	4411.4	4405.1
11°	3494.2	3540.2	3537.1	3542.3	3507.8
12°	2811.2	2787.2	2802.9	2751.6	2774.6
13°	2187.9	2189.0	2176.4	2155.5	2136.7
14°	1714.1	1703.7	1733.0	1706.8	1682.8
15°	1342.9	1380.5	1391.0	1371.1	1364.8
17.5°	828.3	829.4	844.0	825.2	823.1
20°	520.8	533.4	550.1	530.2	514.6
22.5°	329.4	340.9	367.1	342.0	320.0
25°	210.2	224.9	247.9	219.6	199.8
27.5°	131.8	145.4	167.3	141.2	126.5
30°	81.6	91.0	108.8	88.9	75.3
32.5°	47.1	56.5	71.1	53.3	45.0
35°	25.1	32.4	47.1	31.4	23.0
37.5°	14.6	18.8	30.3	16.7	13.6
40°	8.4	11.5	17.8	10.5	8.4
42.5°	5.2	7.3	8.4	6.3	4.2
45°	3.1	4.2	5.2	4.2	3.1
47.5°	2.1	3.1	4.2	2.1	2.1
50°	2.1	2.1	3.1	2.1	2.1
52.5°	2.1	2.1	2.1	2.1	2.1
55°	2.1	2.1	2.1	2.1	2.1
57.5°	2.1	2.1	2.1	2.1	2.1
60°	2.1	2.1	2.1	2.1	2.1
62.5°	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0	1.0
72.5°	1.0	1.0	1.0	1.0	1.0
75°	1.0	1.0	1.0	1.0	1.0
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)