

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: P1323855

Luminaire Tested: LDSQA3D13R159030D2WDE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323855
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R159030D2WDE010 3LSQCDR1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

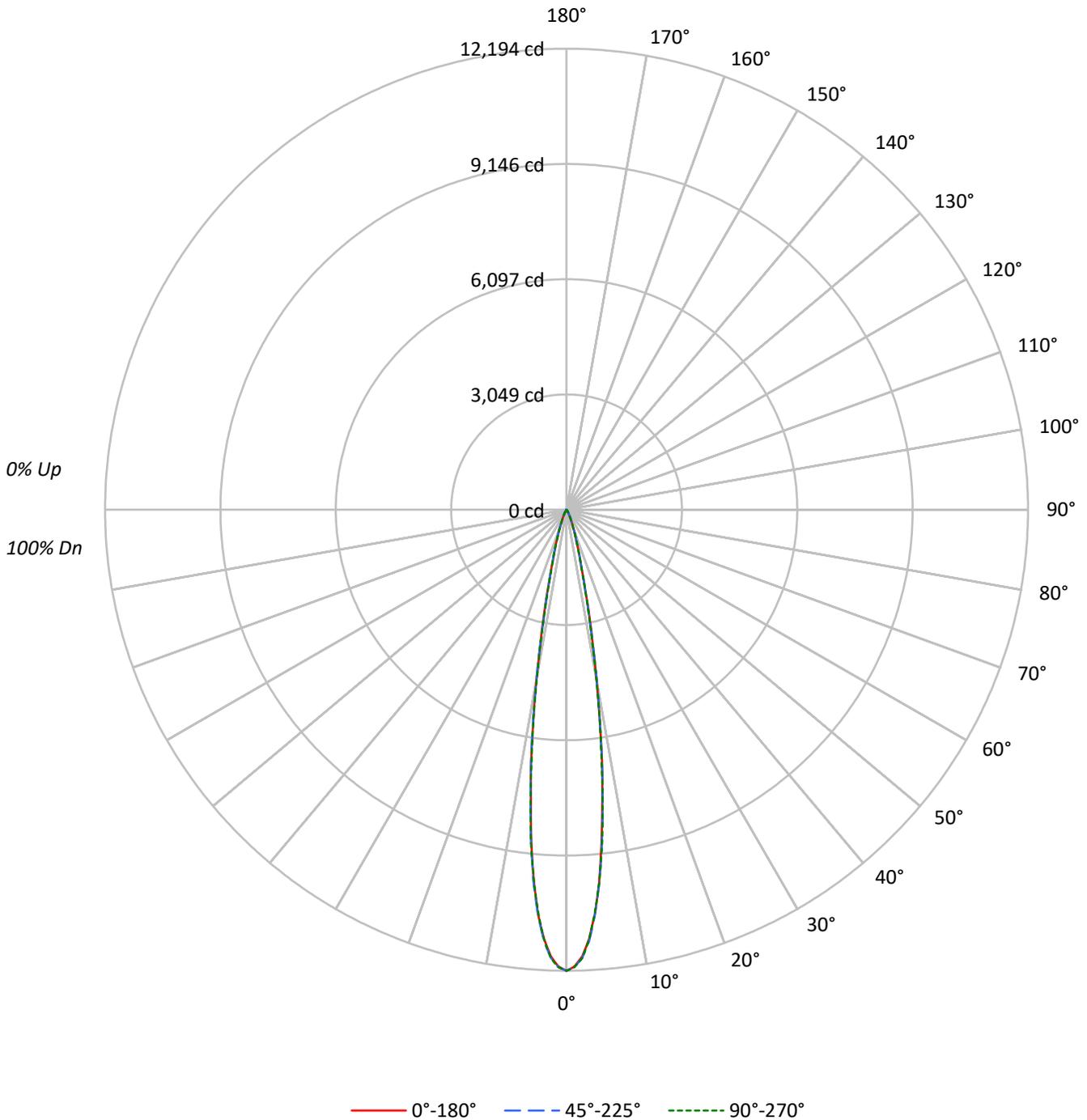
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1361.0 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
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	116	114	112	111	113	112	110	109	108	107	106	104	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	96	95	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	95	93	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	93	91	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	92	90	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	90	88	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	89	87	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	88	85	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2100169	2100169	2100169
5°	1709926	1715511	1712157
10°	797643	804795	794635
15°	250473	252595	251061
20°	99244	103184	96091
25°	40096	48476	38670
30°	16048	22054	15193
35°	4752	9734	4520
40°	1461	3620	1214
45°	268	779	268
50°	0	295	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: 779 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	763.5	56.1
10°-20°	456.6	33.6
20°-30°	115.2	8.5
30°-40°	23.5	1.7
40°-50°	2.2	0.2
50°-60°	0.0	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°	1335.3	98.1
0°-40°	1358.8	99.8
0°-60°	1361.0	100.0
0°-90°	1361.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1361.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12194	12194	12194	12194	12194	
5°	9891	9872	9923	9898	9904	761
15°	1405	1417	1417	1396	1408	457
25°	211	230	255	226	204	108
35°	23	30	46	29	22	19
45°	1	2	3	2	1	1
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°	12194.5	12194.5	12194.5	12194.5	12194.5
1°	12084.7	12125.6	12104.1	12121.3	12101.9
2°	11823.1	11878.0	11860.8	11855.4	11870.5
3°	11362.4	11425.9	11423.7	11407.6	11381.8
4°	10733.7	10707.9	10747.7	10743.4	10699.3
5°	9890.8	9872.5	9923.1	9898.4	9903.7
6°	8859.5	8939.2	8922.0	8924.1	8944.6
7°	7751.8	7794.9	7831.5	7861.6	7819.6
8°	6734.5	6723.8	6727.0	6761.5	6645.2
9°	5595.6	5662.4	5619.3	5550.4	5594.5
10°	4561.1	4602.0	4602.0	4541.7	4543.9
11°	3636.4	3669.8	3646.1	3661.2	3566.4
12°	2931.3	2848.4	2829.0	2844.1	2843.0
13°	2238.0	2243.4	2238.0	2237.0	2226.2
14°	1754.7	1782.7	1770.8	1741.8	1728.8
15°	1404.8	1416.7	1416.7	1396.2	1408.1
17.5°	844.0	858.0	861.2	847.2	847.2
20°	541.5	547.9	563.0	542.6	524.3
22.5°	333.7	347.7	373.5	343.4	328.3
25°	211.0	230.4	255.1	226.1	203.5
27.5°	132.4	148.6	170.1	142.1	128.1
30°	80.7	91.5	110.9	89.3	76.4
32.5°	45.2	53.8	70.0	51.7	43.1
35°	22.6	30.1	46.3	29.1	21.5
37.5°	12.9	16.1	29.1	14.0	11.8
40°	6.5	8.6	16.1	8.6	5.4
42.5°	2.2	4.3	6.5	4.3	2.2
45°	1.1	2.2	3.2	2.2	1.1
47.5°	0.0	0.0	1.1	0.0	0.0
50°	0.0	0.0	1.1	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)