

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: P1312509

Luminaire Tested: LDSQA3D13R159050DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312509
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: LDSQA3D13R159050DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

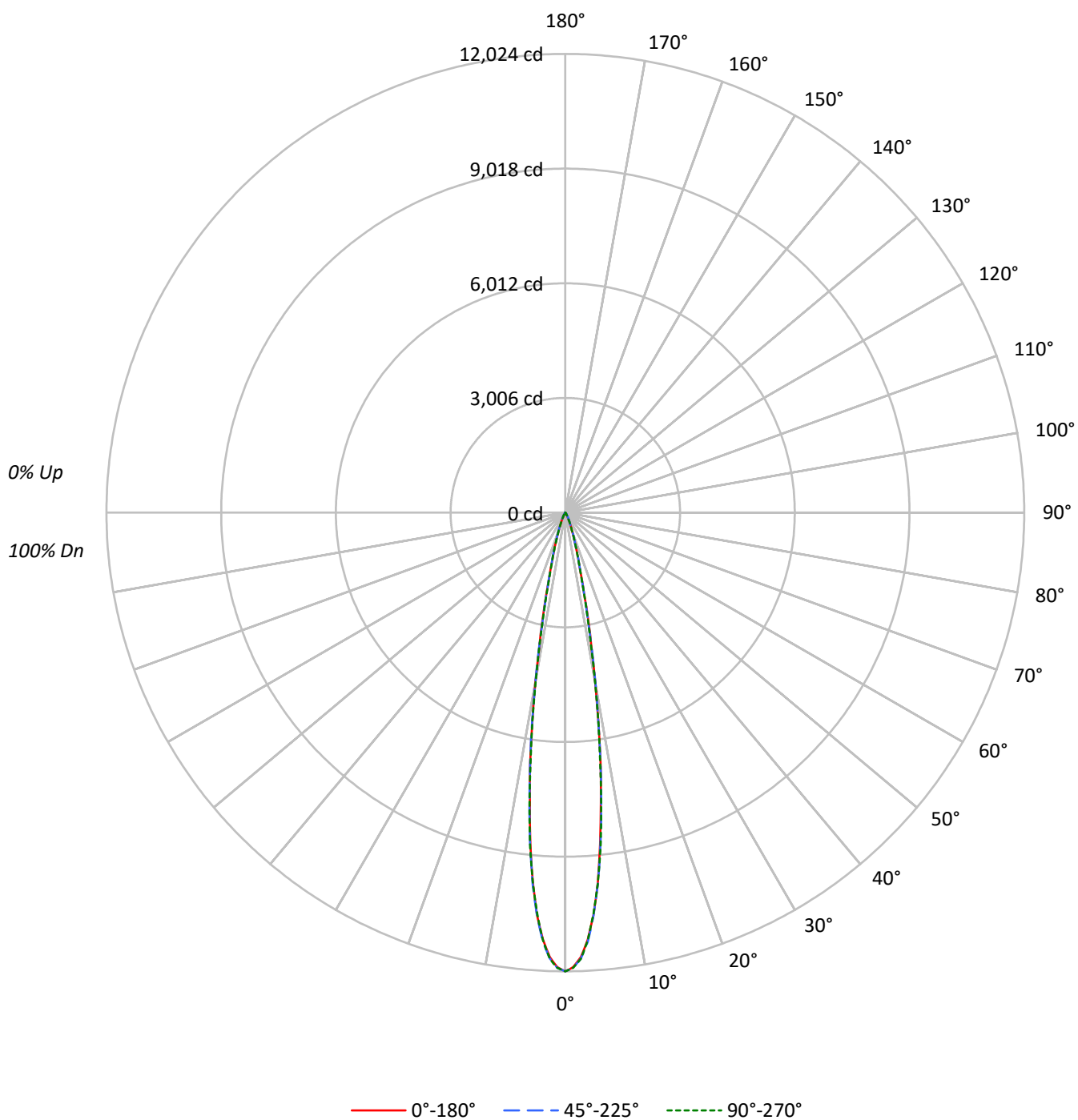
Lumens per Lamp: N/A
Luminaire Lumens: 1342.0 lumens
Efficiency: N/A
Efficacy: 91.9 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	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	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	95	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	93	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	91	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	90	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	88	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	87	86
9	97	91	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	85	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	84	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2070857	2070857	2070857
5°	1686052	1691567	1688265
10°	786503	793568	783530
15°	246978	249064	247549
20°	97851	101736	94735
25°	39526	47811	38119
30°	15830	21736	14994
35°	4688	9587	4457
40°	1439	3575	1192
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°	752.8	56.1
10°-20°	450.3	33.6
20°-30°	113.5	8.5
30°-40°	23.2	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°	1316.6	98.1
0°-40°	1339.8	99.8
0°-60°	1342.0	100.0
0°-90°	1342.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1342.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	12024	12024	12024	12024	12024	
5°	9753	9735	9785	9760	9766	751
15°	1385	1397	1397	1377	1388	450
25°	208	227	252	223	201	107
35°	22	30	46	29	21	18
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°	12024.3	12024.3	12024.3	12024.3	12024.3
1°	11916.0	11956.3	11935.1	11952.1	11933.0
2°	11658.1	11712.2	11695.2	11689.9	11704.8
3°	11203.8	11266.4	11264.3	11248.3	11222.9
4°	10583.9	10558.4	10597.7	10593.4	10549.9
5°	9752.7	9734.7	9784.6	9760.2	9765.5
6°	8735.9	8814.4	8797.4	8799.5	8819.7
7°	7643.6	7686.1	7722.2	7751.9	7710.5
8°	6640.5	6629.9	6633.1	6667.1	6552.4
9°	5517.5	5583.3	5540.8	5472.9	5516.4
10°	4497.4	4537.8	4537.8	4478.3	4480.4
11°	3585.6	3618.5	3595.2	3610.0	3516.6
12°	2890.4	2808.6	2789.5	2804.4	2803.3
13°	2206.8	2212.1	2206.8	2205.7	2195.1
14°	1730.2	1757.8	1746.1	1717.4	1704.7
15°	1385.2	1396.9	1396.9	1376.7	1388.4
17.5°	832.2	846.0	849.2	835.4	835.4
20°	533.9	540.3	555.1	535.0	516.9
22.5°	329.1	342.9	368.3	338.6	323.7
25°	208.0	227.2	251.6	222.9	200.6
27.5°	130.6	146.5	167.7	140.1	126.3
30°	79.6	90.2	109.3	88.1	75.4
32.5°	44.6	53.1	69.0	51.0	42.5
35°	22.3	29.7	45.6	28.7	21.2
37.5°	12.7	15.9	28.7	13.8	11.7
40°	6.4	8.5	15.9	8.5	5.3
42.5°	2.1	4.2	6.4	4.2	2.1
45°	1.1	2.1	3.2	2.1	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)