

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: P1315405

Luminaire Tested: LDSQA3D09R159735DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315405
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: LDSQA3D09R159735DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

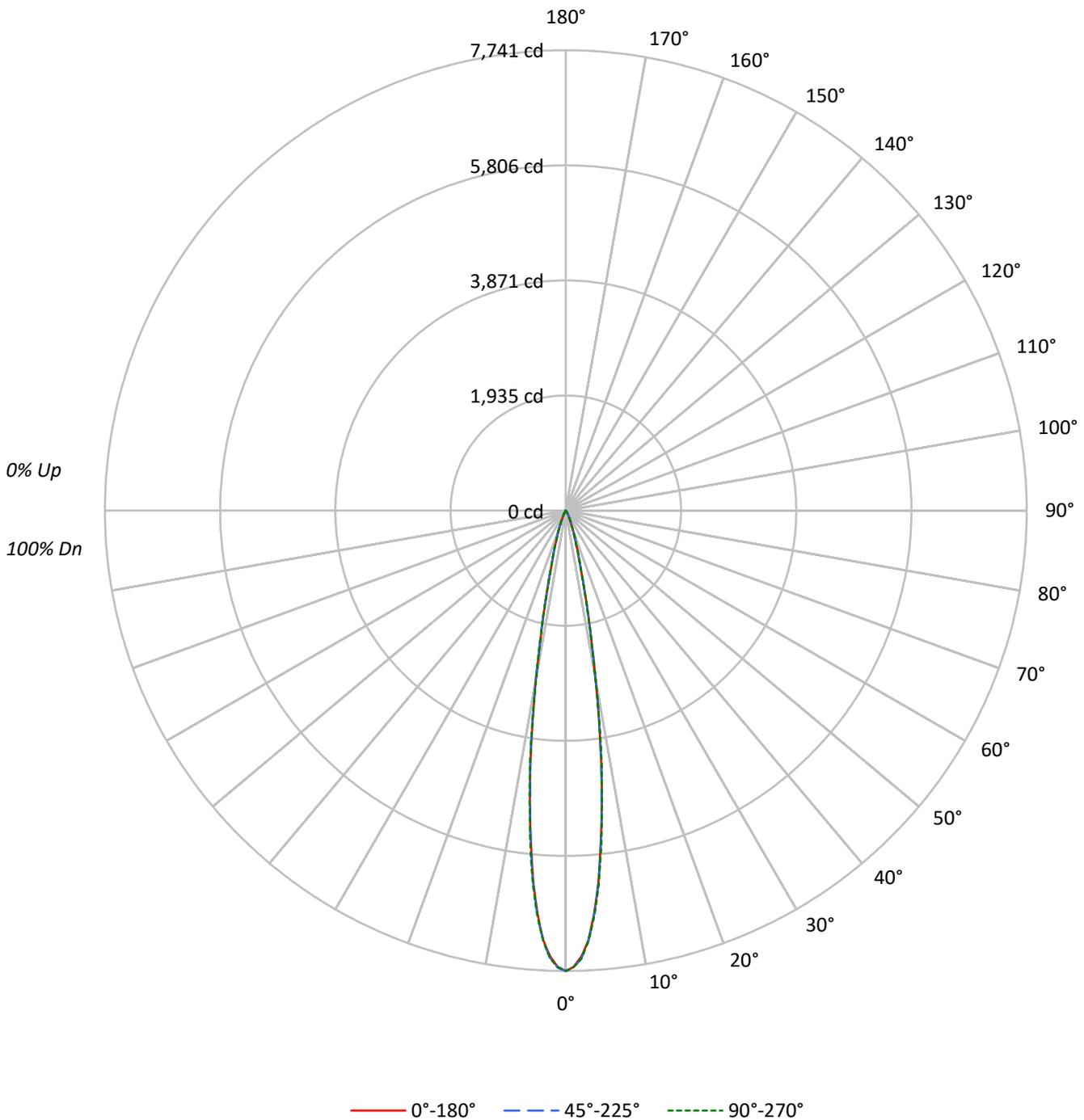
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 869.1 lumens
Efficiency: N/A
Efficacy: 78.3 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): 11.1
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
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	105	104	103	102	101	100	99	99	98	98
2	112	109	107	105	110	108	105	103	105	103	101	102	100	99	99	98	97	99	98	96
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	98	96	94
4	107	102	99	97	106	101	98	96	100	97	95	98	96	94	96	94	93	96	94	92
5	105	100	96	94	103	99	96	93	97	95	93	96	94	92	95	93	91	95	93	90
6	102	97	94	91	101	97	93	91	95	92	90	94	92	90	93	91	89	93	91	88
7	100	95	92	89	99	94	91	89	93	91	89	92	90	88	92	89	88	92	89	87
8	98	93	90	87	98	93	89	87	92	89	87	91	88	86	90	88	86	90	88	85
9	97	91	88	86	96	91	88	85	90	87	85	89	87	85	89	86	85	89	86	84
10	95	89	86	84	94	89	86	84	89	86	84	88	85	84	87	85	83	87	85	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1333141	1333141	1333141
5°	1084047	1087816	1091585
10°	504859	505332	502586
15°	156207	161805	158757
20°	62277	65778	61526
25°	26053	30727	24760
30°	10580	14119	9764
35°	3448	6455	3154
40°	1237	2608	1237
45°	487	828	487
50°	375	536	375
55°	420	420	420
60°	482	482	482
65°	285	285	285
70°	352	352	352
75°	466	466	466
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 828 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	484.5	55.8
10°-20°	289.7	33.3
20°-30°	73.7	8.5
30°-40°	16.0	1.8
40°-50°	2.6	0.3
50°-60°	1.3	0.1
60°-70°	0.8	0.1
70°-80°	0.5	0.1
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°	848.0	97.6
0°-40°	864.0	99.4
0°-60°	867.8	99.9
0°-90°	869.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	869.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7741	7741	7741	7741	7741	
5°	6270	6279	6292	6264	6314	483
15°	876	901	908	894	890	288
25°	137	147	162	143	130	70
35°	16	21	31	20	15	13
45°	2	3	3	3	2	2
55°	1	1	1	1	1	1
65°	1	1	1	1	1	1
75°	1	1	1	1	1	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°	7740.8	7740.8	7740.8	7740.8	7740.8
1°	7673.3	7686.3	7688.3	7686.3	7675.3
2°	7500.7	7538.9	7530.7	7514.3	7537.5
3°	7233.9	7253.0	7250.3	7251.6	7246.2
4°	6799.9	6833.4	6814.3	6828.6	6829.9
5°	6270.5	6279.3	6292.3	6263.6	6314.1
6°	5618.8	5675.5	5625.7	5674.8	5694.6
7°	4956.3	4989.1	4925.6	4959.7	4980.2
8°	4278.8	4221.5	4256.3	4256.9	4324.5
9°	3547.3	3558.9	3588.3	3554.8	3584.2
10°	2886.9	2913.5	2889.6	2878.0	2873.9
11°	2279.6	2309.6	2307.6	2311.0	2288.5
12°	1834.1	1818.4	1828.6	1795.2	1810.2
13°	1427.4	1428.1	1419.9	1406.2	1394.0
14°	1118.3	1111.5	1130.6	1113.5	1097.8
15°	876.1	900.7	907.5	894.5	890.4
17.5°	540.4	541.1	550.6	538.3	537.0
20°	339.8	348.0	358.9	345.9	335.7
22.5°	214.9	222.4	239.5	223.1	208.8
25°	137.1	146.7	161.7	143.3	130.3
27.5°	86.0	94.8	109.2	92.1	82.6
30°	53.2	59.4	71.0	58.0	49.1
32.5°	30.7	36.8	46.4	34.8	29.3
35°	16.4	21.2	30.7	20.5	15.0
37.5°	9.6	12.3	19.8	10.9	8.9
40°	5.5	7.5	11.6	6.8	5.5
42.5°	3.4	4.8	5.5	4.1	2.7
45°	2.0	2.7	3.4	2.7	2.0
47.5°	1.4	2.0	2.7	1.4	1.4
50°	1.4	1.4	2.0	1.4	1.4
52.5°	1.4	1.4	1.4	1.4	1.4
55°	1.4	1.4	1.4	1.4	1.4
57.5°	1.4	1.4	1.4	1.4	1.4
60°	1.4	1.4	1.4	1.4	1.4
62.5°	0.7	0.7	0.7	0.7	0.7
65°	0.7	0.7	0.7	0.7	0.7
67.5°	0.7	0.7	0.7	0.7	0.7
70°	0.7	0.7	0.7	0.7	0.7
72.5°	0.7	0.7	0.7	0.7	0.7
75°	0.7	0.7	0.7	0.7	0.7
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)