

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: P1316377

Luminaire Tested: LDSQA3D09R159740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316377
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: LDSQA3D09R159740DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

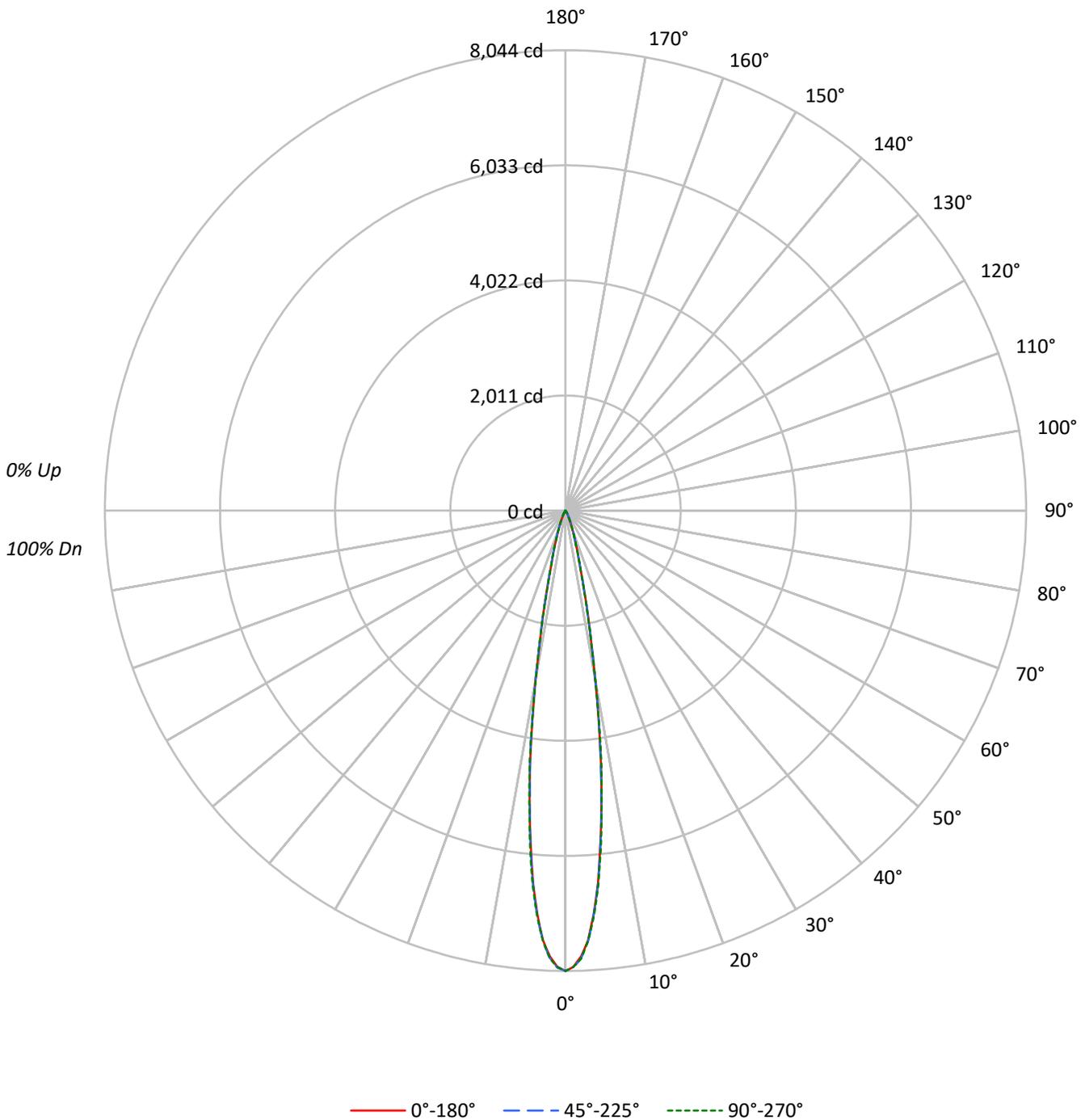
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 903.0 lumens
Efficiency: N/A
Efficacy: 81.3 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	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	99	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°	1385307	1385307	1385307
5°	1126455	1130379	1134304
10°	524603	525111	522243
15°	162322	168135	164979
20°	64715	68343	63926
25°	27079	31924	25730
30°	10997	14656	10142
35°	3574	6707	3280
40°	1281	2720	1281
45°	511	852	511
50°	375	563	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: 852 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	503.5	55.8
10°-20°	301.0	33.3
20°-30°	76.6	8.5
30°-40°	16.6	1.8
40°-50°	2.7	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°	881.1	97.6
0°-40°	897.8	99.4
0°-60°	901.7	99.9
0°-90°	903.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	903.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8044	8044	8044	8044	8044	
5°	6516	6525	6538	6509	6561	502
15°	910	936	943	930	925	300
25°	142	152	168	149	135	72
35°	17	22	32	21	16	13
45°	2	3	4	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°	8043.7	8043.7	8043.7	8043.7	8043.7
1°	7973.5	7987.0	7989.1	7987.0	7975.6
2°	7794.1	7833.8	7825.3	7808.3	7832.4
3°	7516.9	7536.8	7533.9	7535.3	7529.7
4°	7066.0	7100.7	7080.9	7095.8	7097.2
5°	6515.8	6525.0	6538.5	6508.7	6561.2
6°	5838.7	5897.5	5845.8	5896.8	5917.4
7°	5150.2	5184.3	5118.3	5153.8	5175.1
8°	4446.2	4386.6	4422.8	4423.5	4493.7
9°	3686.1	3698.2	3728.7	3693.9	3724.4
10°	2999.8	3027.5	3002.7	2990.6	2986.3
11°	2368.8	2400.0	2397.9	2401.4	2378.0
12°	1905.8	1889.5	1900.1	1865.4	1881.0
13°	1483.2	1484.0	1475.4	1461.3	1448.5
14°	1162.1	1155.0	1174.8	1157.1	1140.8
15°	910.4	935.9	943.0	929.5	925.3
17.5°	561.5	562.2	572.2	559.4	558.0
20°	353.1	361.6	372.9	359.5	348.8
22.5°	223.3	231.1	248.9	231.8	217.0
25°	142.5	152.4	168.0	148.9	135.4
27.5°	89.3	98.6	113.4	95.7	85.8
30°	55.3	61.7	73.7	60.3	51.0
32.5°	31.9	38.3	48.2	36.2	30.5
35°	17.0	22.0	31.9	21.3	15.6
37.5°	9.9	12.8	20.6	11.3	9.2
40°	5.7	7.8	12.1	7.1	5.7
42.5°	3.5	5.0	5.7	4.3	2.8
45°	2.1	2.8	3.5	2.8	2.1
47.5°	1.4	2.1	2.8	1.4	1.4
50°	1.4	1.4	2.1	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)