

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: P1315404

Luminaire Tested: LDSQA3D09R159735DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315404
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: LDSQA3D09R159735DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

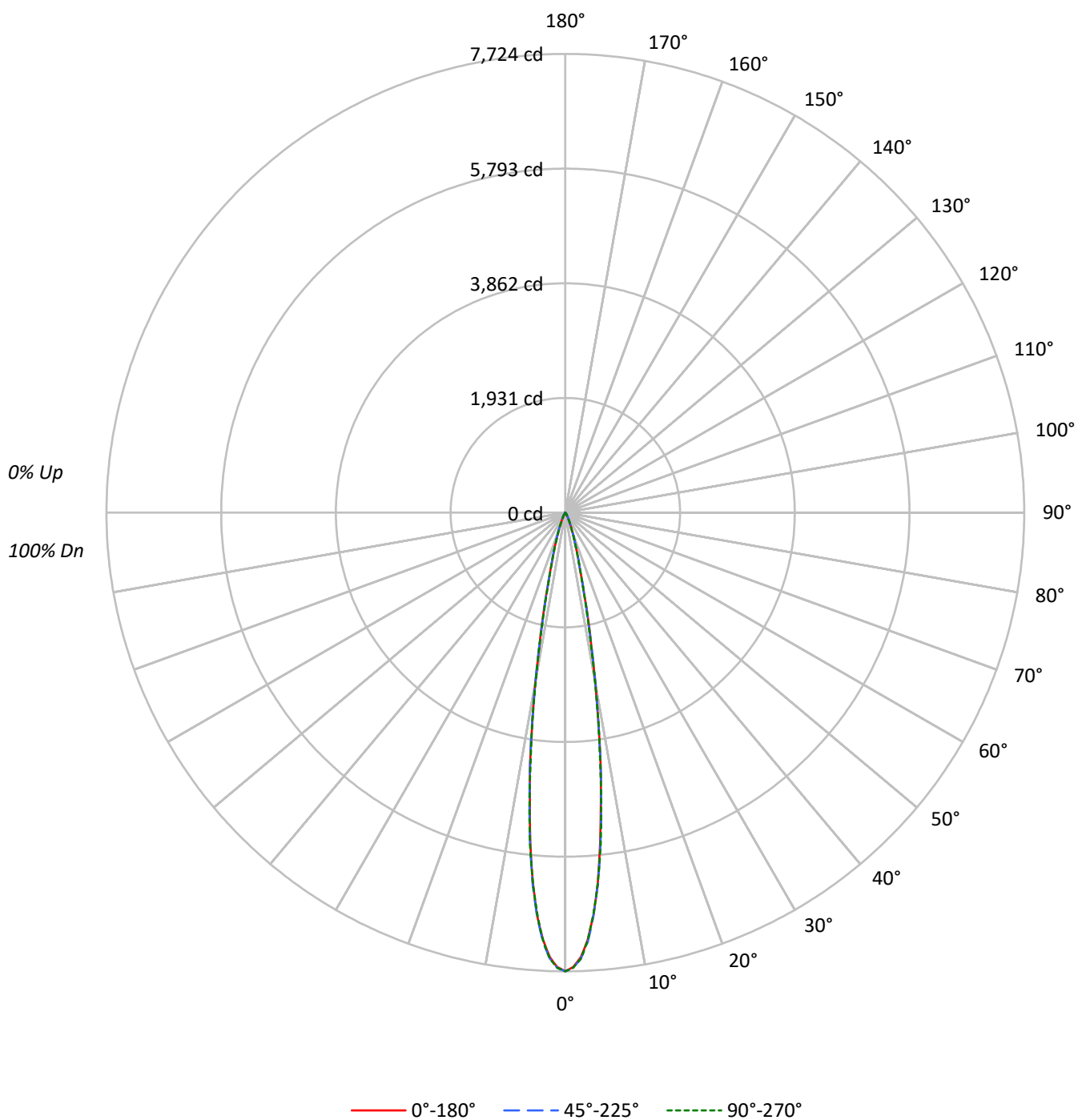
Lumens per Lamp: N/A
Luminaire Lumens: 862.0 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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
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°	1330162	1330162	1330162
5°	1082993	1086537	1084410
10°	505192	509721	503286
15°	158650	159987	159006
20°	62845	65356	60847
25°	25388	30708	24494
30°	10162	13960	9625
35°	3007	6160	2859
40°	922	2293	764
45°	170	487	170
50°	0	188	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: 487 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	483.6	56.1
10°-20°	289.2	33.6
20°-30°	72.9	8.5
30°-40°	14.9	1.7
40°-50°	1.4	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°	845.7	98.1
0°-40°	860.6	99.8
0°-60°	862.0	100.0
0°-90°	862.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	862.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7724	7724	7724	7724	7724	
5°	6264	6253	6285	6269	6273	482
15°	890	897	897	884	892	289
25°	134	146	162	143	129	69
35°	14	19	29	18	14	12
45°	1	1	2	1	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7723.5	7723.5	7723.5	7723.5	7723.5
1°	7653.9	7679.9	7666.2	7677.1	7664.9
2°	7488.3	7523.0	7512.1	7508.7	7518.3
3°	7196.5	7236.7	7235.3	7225.1	7208.7
4°	6798.3	6781.9	6807.1	6804.4	6776.5
5°	6264.4	6252.8	6284.9	6269.2	6272.6
6°	5611.3	5661.7	5650.8	5652.2	5665.1
7°	4909.7	4937.0	4960.1	4979.2	4952.6
8°	4265.4	4258.6	4260.6	4282.4	4208.8
9°	3544.0	3586.3	3559.0	3515.4	3543.3
10°	2888.8	2914.7	2914.7	2876.5	2877.9
11°	2303.1	2324.3	2309.3	2318.8	2258.8
12°	1856.6	1804.1	1791.8	1801.3	1800.6
13°	1417.5	1420.9	1417.5	1416.8	1410.0
14°	1111.3	1129.1	1121.6	1103.2	1095.0
15°	889.8	897.3	897.3	884.3	891.8
17.5°	534.5	543.4	545.4	536.6	536.6
20°	342.9	347.0	356.6	343.6	332.0
22.5°	211.4	220.2	236.6	217.5	208.0
25°	133.6	145.9	161.6	143.2	128.9
27.5°	83.9	94.1	107.7	90.0	81.1
30°	51.1	58.0	70.2	56.6	48.4
32.5°	28.6	34.1	44.3	32.7	27.3
35°	14.3	19.1	29.3	18.4	13.6
37.5°	8.2	10.2	18.4	8.9	7.5
40°	4.1	5.5	10.2	5.5	3.4
42.5°	1.4	2.7	4.1	2.7	1.4
45°	0.7	1.4	2.0	1.4	0.7
47.5°	0.0	0.0	0.7	0.0	0.0
50°	0.0	0.0	0.7	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)