

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: P1315406

Luminaire Tested: LDSQA3D09R159735DE010 3LSQPHR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R159735DE010 3LSQPHR1MB
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , 3LSQPHR1MB TRIM
Light Source: -
Ballast/Driver: -

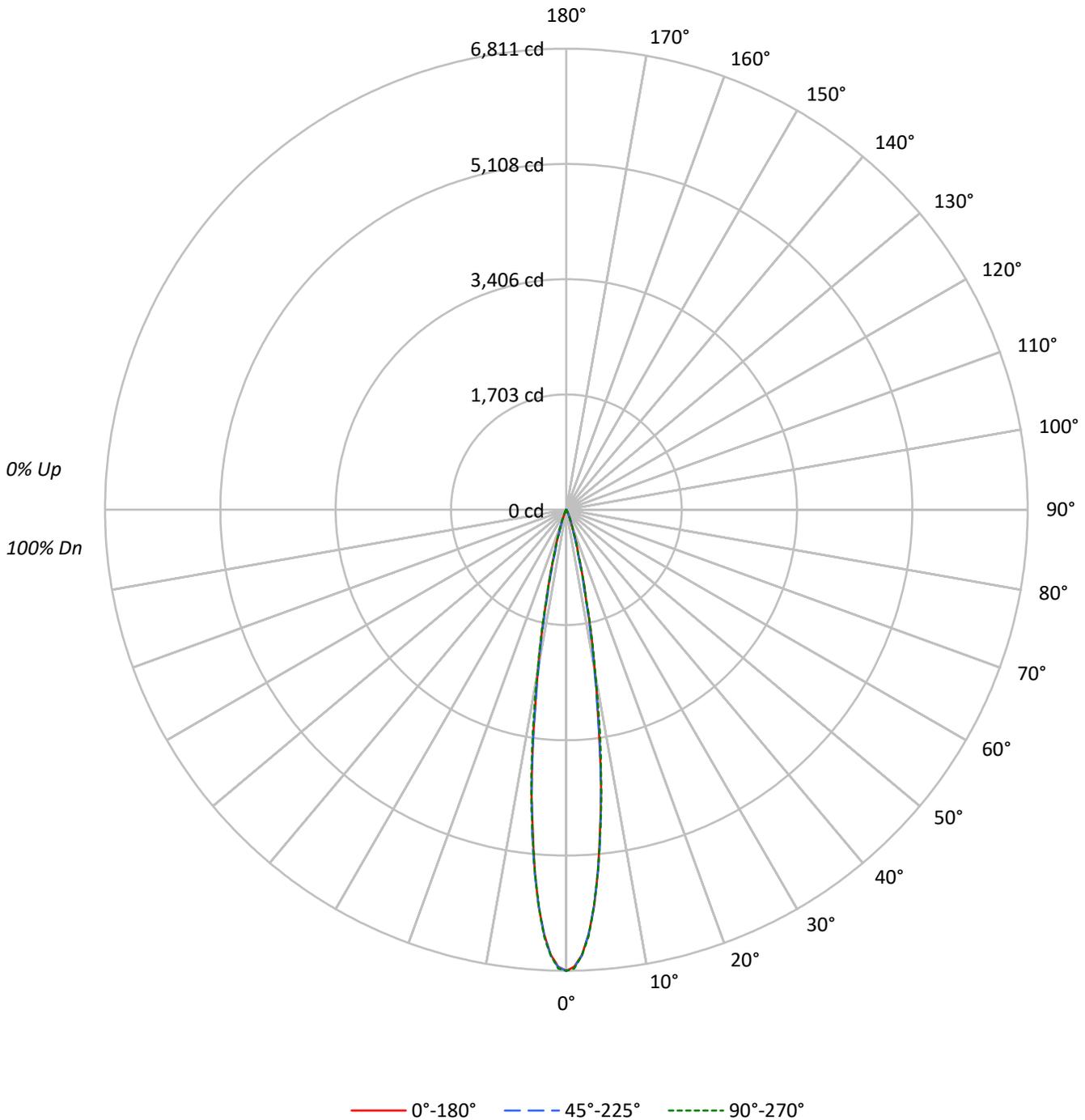
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 682.0 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
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		0
RW	70	50	30	10	70	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		100
1	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100		98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98		97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96		95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94		93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93		92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91		91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90		89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89		88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87		87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86		86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1173026	1173026	1173026
5°	925291	927763	924461
10°	423331	412226	432267
15°	125861	112363	123311
20°	37370	36252	39258
25°	10622	13739	12314
30°	3798	4077	3659
35°	1430	1282	1282
40°	607	315	450
45°	341	170	341
50°	188	0	188
55°	210	0	210
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: 0°
 Vertical Angle: 47.5°
 Luminance: 357 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.5	60.3
10°-20°	228.5	33.5
20°-30°	36.4	5.3
30°-40°	4.8	0.7
40°-50°	0.7	0.1
50°-60°	0.2	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°	676.4	99.2
0°-40°	681.1	99.9
0°-60°	682.0	100.0
0°-90°	682.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	682.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6811	6811	6811	6811	6811	
5°	5352	5397	5366	5344	5347	411
15°	706	697	630	670	692	233
25°	56	63	72	72	65	34
35°	7	7	6	7	6	5
45°	1	1	1	1	1	1
55°	1	0	0	0	1	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°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6811.1	6811.1	6811.1	6811.1	6811.1	6811.1	6811.1	6811.1	6811.1	6811.1	6811.1
1°	6752.4	6760.0	6769.5	6760.6	6752.4	6760.0	6749.7	6751.1	6742.9	6760.6	6780.4
2°	6580.6	6590.1	6584.7	6572.4	6591.5	6592.8	6571.7	6561.5	6560.1	6577.8	6584.7
3°	6276.4	6298.2	6298.9	6294.8	6288.6	6276.4	6254.5	6268.9	6249.1	6236.8	6306.4
4°	5871.9	5891.0	5913.5	5898.5	5853.5	5857.6	5871.9	5823.5	5826.2	5854.2	5856.2
5°	5352.2	5410.1	5412.9	5391.7	5356.3	5366.5	5356.3	5342.6	5347.4	5365.1	5347.4
6°	4740.4	4805.8	4757.4	4803.8	4793.6	4806.5	4809.9	4795.6	4805.8	4794.9	4791.5
7°	4211.8	4162.0	4168.8	4149.7	4170.1	4183.8	4192.0	4167.4	4187.2	4218.6	4227.4
8°	3556.3	3542.0	3527.6	3561.7	3552.2	3568.6	3578.8	3606.1	3604.7	3614.3	3645.6
9°	2932.2	2953.3	2966.3	2936.3	2962.2	2911.7	2929.5	3002.5	2983.4	3002.5	3058.4
10°	2420.7	2437.7	2418.6	2417.9	2390.6	2357.2	2355.2	2382.5	2439.7	2484.8	2471.8
12.5°	1335.5	1350.5	1352.5	1351.2	1302.1	1246.8	1257.0	1278.9	1314.3	1329.3	1353.9
15°	705.9	705.3	712.8	691.6	665.7	630.2	633.0	663.0	689.6	696.4	691.6
17.5°	362.2	363.5	369.0	363.5	336.3	339.7	347.2	350.6	366.3	372.4	369.0
20°	203.9	204.6	203.9	206.0	195.1	197.8	207.3	208.0	211.4	214.9	214.2
22.5°	116.6	117.3	121.4	120.0	117.3	120.7	122.8	126.2	127.5	126.2	130.3
25°	55.9	56.6	56.6	64.8	68.9	72.3	73.7	72.3	70.9	65.5	64.8
27.5°	32.1	32.1	33.4	34.1	35.5	41.6	40.9	34.1	28.6	28.6	29.3
30°	19.1	18.4	18.4	19.1	19.8	20.5	19.1	18.4	18.4	19.1	18.4
32.5°	11.6	11.6	11.6	10.9	10.9	10.2	10.2	11.6	11.6	11.6	11.6
35°	6.8	6.8	6.8	6.8	6.1	6.1	6.1	6.8	6.8	6.1	6.1
37.5°	4.1	4.1	4.1	3.4	3.4	2.7	3.4	3.4	3.4	3.4	3.4
40°	2.7	2.7	2.0	2.0	1.4	1.4	1.4	2.0	2.0	2.0	2.0
42.5°	2.0	2.0	1.4	1.4	0.7	0.7	0.7	1.4	1.4	1.4	1.4
45°	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7	0.7	1.4	1.4
47.5°	1.4	1.4	0.7	0.7	0.0	0.0	0.0	0.7	0.7	0.7	0.7
50°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
52.5°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
55°	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)