

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: P1315488

Luminaire Tested: LDSQA3D09R459735DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315488
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R459735DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

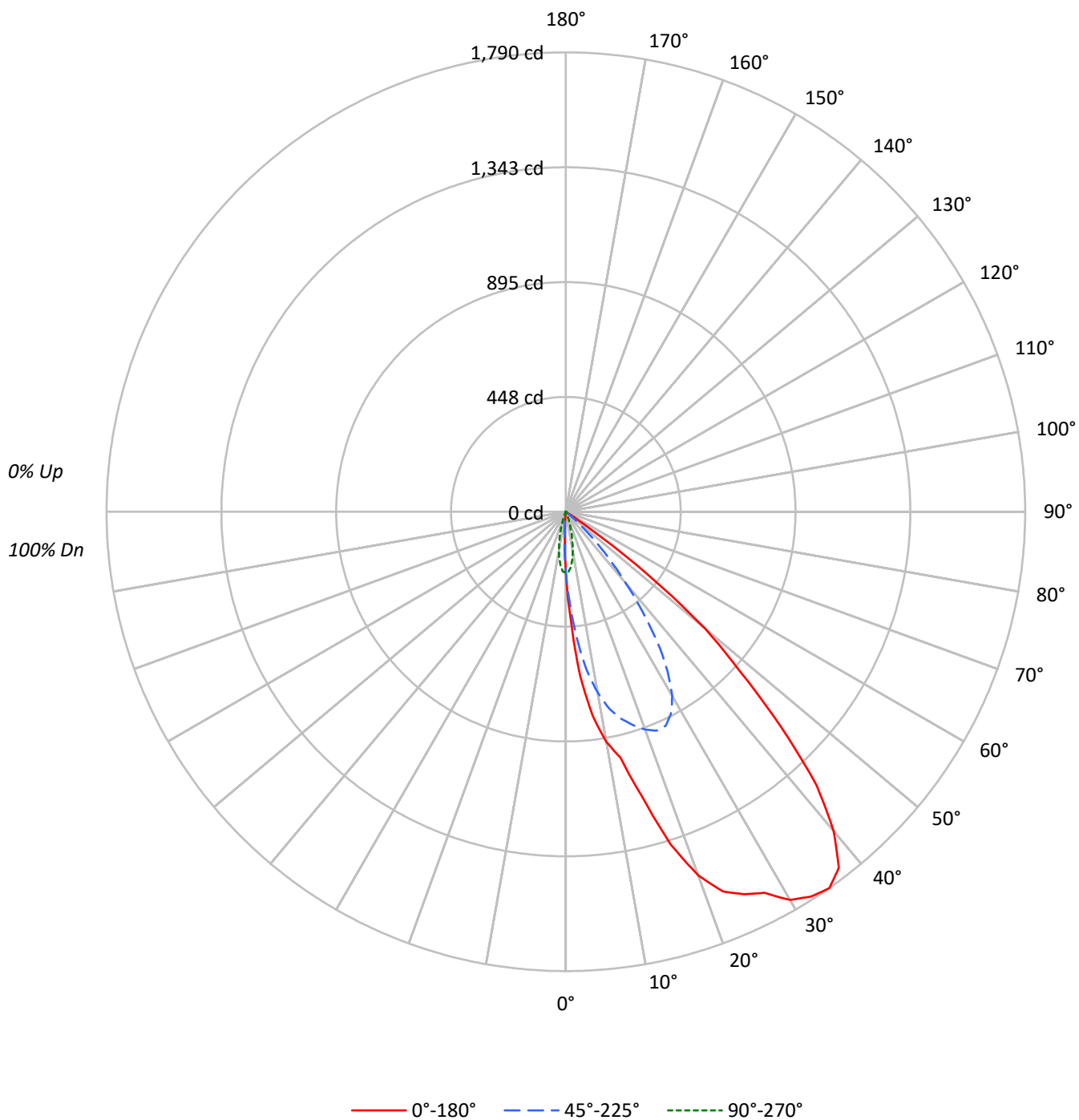
Lumens per Lamp: N/A
Luminaire Lumens: 759.0 lumens
Efficiency: N/A
Efficacy: 68.4 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100		
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91		
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82		
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74		
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67		
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	70	65	62	60		
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	59	56	54		
7	75	64	57	52	74	63	56	51	62	56	51	61	55	51	59	54	51	49		
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44		
9	66	54	47	43	65	54	47	42	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	40593	40593	40593	40593	40593
5°	110834	85282	37567	7538	2835
10°	159175	125109	27159	717	595
15°	204918	148808	14460	250	0
20°	276196	165571	5498	0	0
25°	312385	174901	1425	0	0
30°	347239	164879	139	0	0
35°	376423	131487	0	0	0
40°	364839	82554	0	0	0
45°	289227	39335	0	0	0
50°	189293	4930	0	0	0
55°	32518	0	0	0	0
60°	0	0	241	0	0
65°	0	285	285	0	0
70°	0	352	705	0	0
75°	0	466	932	0	0
80°	0	694	1389	694	0
85°	0	1383	2766	1383	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 289227 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.1	3.7
10°-20°	108.1	14.2
20°-30°	202.4	26.7
30°-40°	236.3	31.1
40°-50°	154.1	20.3
50°-60°	28.6	3.8
60°-70°	0.3	0.0
70°-80°	0.6	0.1
80°-90°	0.6	0.1
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°	338.6	44.6
0°-40°	574.9	75.7
0°-60°	757.5	99.8
0°-90°	759.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	759.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	236	236	236	236	236	
5°	641	493	217	44	16	69
15°	1149	835	81	1	0	342
25°	1644	920	8	0	0	760
35°	1790	625	0	0	0	1098
45°	1188	162	0	0	0	903
55°	108	0	0	0	0	188
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	235.7	235.7	235.7	235.7	235.7	235.7	235.7	235.7	235.7	235.7	235.7
2.5°	415.6	419.0	412.2	409.5	400.6	402.6	387.7	381.5	372.0	356.3	348.8
5°	641.1	635.0	629.5	617.9	611.1	592.7	572.3	549.1	521.2	493.3	461.2
7.5°	801.9	797.1	795.1	785.5	771.9	752.8	726.3	697.0	660.8	623.4	575.0
10°	910.2	905.4	897.3	887.7	876.8	861.1	835.3	803.2	763.7	715.4	658.8
12.5°	981.1	980.4	966.7	955.8	942.2	928.6	902.0	876.1	837.3	787.6	723.5
15°	1149.3	1138.4	1120.7	1090.1	1051.9	1016.5	973.6	932.7	890.4	834.6	763.0
17.5°	1359.2	1346.9	1316.9	1278.1	1216.8	1149.3	1075.8	1011.0	947.7	872.0	787.6
20°	1507.0	1502.2	1477.0	1432.1	1366.7	1277.4	1180.7	1089.4	1000.1	903.4	799.1
22.5°	1601.7	1599.0	1588.8	1558.1	1491.3	1391.2	1266.5	1143.9	1036.2	923.1	795.7
25°	1643.9	1647.4	1648.7	1633.7	1579.9	1477.7	1329.9	1185.4	1056.7	920.4	769.9
27.5°	1673.9	1673.9	1679.4	1672.6	1618.1	1510.4	1354.4	1199.7	1049.9	887.0	715.4
30°	1746.1	1744.8	1748.2	1729.8	1654.2	1520.6	1343.5	1176.6	1011.0	829.1	637.0
32.5°	1777.5	1778.8	1778.2	1748.9	1661.0	1513.8	1316.9	1132.3	939.5	738.5	533.4
35°	1790.4	1784.3	1759.1	1692.3	1581.3	1423.2	1242.0	1057.4	839.3	625.4	421.0
37.5°	1747.5	1729.8	1673.9	1582.6	1447.1	1295.1	1118.0	923.1	706.5	490.5	316.8
40°	1622.8	1599.7	1529.5	1419.1	1295.1	1158.2	971.5	765.8	552.5	367.2	222.1
42.5°	1446.4	1419.8	1344.2	1248.1	1135.0	991.3	805.3	599.5	404.7	253.4	141.0
45°	1187.5	1172.5	1128.9	1047.8	936.8	787.6	617.2	437.4	280.0	161.5	72.2
47.5°	918.4	899.3	868.0	812.1	719.4	577.7	431.9	297.0	179.9	79.7	15.0
50°	706.5	684.0	645.9	583.9	487.1	385.6	280.0	185.3	91.3	18.4	0.7
52.5°	406.7	411.5	393.1	353.6	299.8	231.0	162.1	93.3	20.4	0.7	0.0
55°	108.3	117.2	114.5	123.3	108.3	91.3	67.4	17.7	1.4	0.0	0.0
57.5°	0.0	0.0	0.7	1.4	4.1	6.1	2.0	0.7	0.0	0.0	0.0
60°	0.0	0.0	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	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	235.7	235.7	235.7	235.7	235.7	235.7	235.7	235.7
2.5°	331.8	317.5	299.8	234.4	176.5	126.7	98.8	91.3
5°	430.6	395.8	350.9	217.3	109.0	43.6	19.8	16.4
7.5°	523.9	472.8	391.7	190.1	55.2	10.9	5.5	4.8
10°	596.1	527.3	421.7	155.3	20.4	4.1	3.4	3.4
12.5°	645.9	562.1	432.6	117.9	7.5	2.0	2.0	1.4
15°	674.5	575.7	422.4	81.1	2.7	1.4	0.0	0.0
17.5°	683.3	570.2	395.1	51.1	0.7	0.0	0.0	0.0
20°	675.8	543.7	352.2	30.0	0.0	0.0	0.0	0.0
22.5°	651.3	502.1	300.4	16.4	0.0	0.0	0.0	0.0
25°	605.7	443.5	239.8	7.5	0.0	0.0	0.0	0.0
27.5°	531.4	367.9	180.5	2.7	0.0	0.0	0.0	0.0
30°	446.9	286.8	128.1	0.7	0.0	0.0	0.0	0.0
32.5°	348.8	211.2	82.4	0.0	0.0	0.0	0.0	0.0
35°	262.3	147.8	49.1	0.0	0.0	0.0	0.0	0.0
37.5°	182.6	93.3	25.9	0.0	0.0	0.0	0.0	0.0
40°	113.8	50.4	8.9	0.0	0.0	0.0	0.0	0.0
42.5°	63.4	17.7	0.7	0.0	0.0	0.0	0.0	0.0
45°	15.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.0
60°	0.0	0.7	0.7	0.7	0.0	0.0	0.0	0.0
62.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
65°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
67.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
70°	0.7	0.7	0.7	1.4	0.7	0.0	0.0	0.0
72.5°	0.7	0.7	1.4	1.4	0.7	0.0	0.0	0.0
75°	0.7	0.7	1.4	1.4	0.7	0.0	0.0	0.0
77.5°	0.7	1.4	1.4	1.4	0.7	0.7	0.0	0.0
80°	0.7	1.4	1.4	1.4	1.4	0.7	0.0	0.0
82.5°	0.7	1.4	1.4	1.4	1.4	0.7	0.0	0.0
85°	0.7	1.4	1.4	1.4	0.7	0.7	0.0	0.0
87.5°	0.7	1.4	1.4	1.4	1.4	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)