

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: P1319269

Luminaire Tested: LDSQA3D13R459835DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319269
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-69)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R459835DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

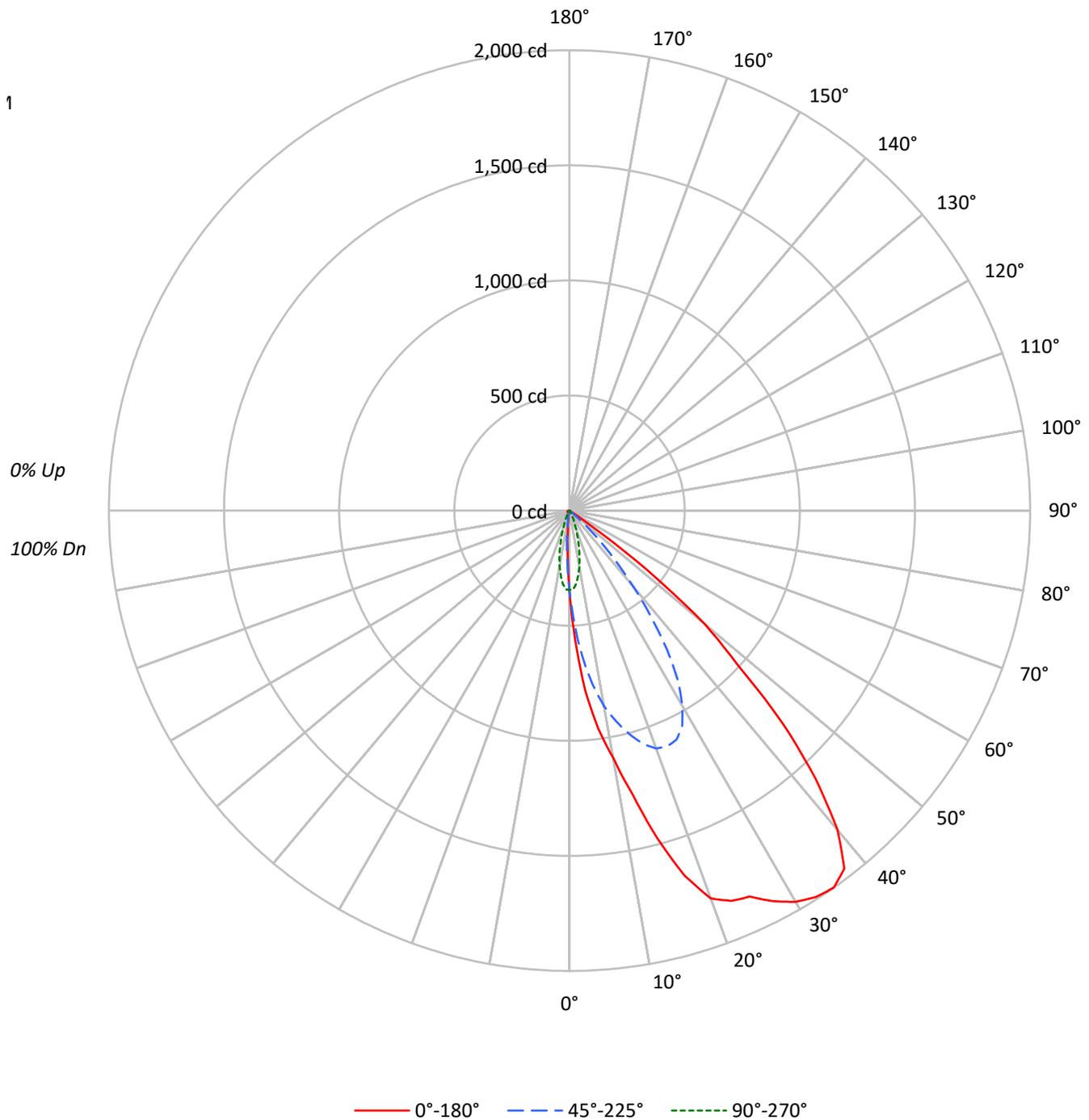
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 906.0 lumens
Efficiency: N/A
Efficacy: 62.5 lumens/watt
Spacing Criteria (0/90/45): 2.13 / 0.47 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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				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	100	100	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91	91	91
2	105	100	95	91	103	98	93	90	95	91	88	91	88	86	89	86	84	82	82	82	82
3	99	91	85	80	96	89	84	80	87	82	78	84	80	77	82	79	76	74	74	74	74
4	92	83	76	71	90	82	76	71	80	74	70	77	73	69	76	72	68	67	67	67	67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60	60	60	60
6	81	70	63	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54	54	54	54
7	75	64	57	52	74	63	57	52	62	56	51	61	55	51	60	55	51	49	49	49	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45	45	45	45
9	66	55	48	43	65	54	47	43	53	47	43	52	47	43	51	46	42	41	41	41	41
10	62	51	44	39	61	50	44	39	49	43	39	49	43	39	48	43	39	37	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	59382	59382	59382	59382	59382
5°	135314	109762	55547	22267	15196
10°	190671	150799	42933	4897	2256
15°	262758	179403	27422	1623	1355
20°	328558	201493	14295	1118	1118
25°	351606	208630	6632	855	1007
30°	390254	194829	3023	895	1054
35°	420406	155329	946	946	1282
40°	406791	96246	517	1192	1529
45°	319453	45400	560	1486	1851
50°	205235	5278	804	1822	2438
55°	31167	450	901	2282	2973
60°	517	517	1033	2618	3134
65°	611	611	1223	2771	3708
70°	755	755	1511	3072	4179
75°	532	998	1996	3527	4525
80°	793	1488	2281	3769	5256
85°	0	1581	2964	4545	4545

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 319453 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.7	4.2
10°-20°	136.4	15.1
20°-30°	239.6	26.5
30°-40°	272.1	30.0
40°-50°	176.2	19.4
50°-60°	34.6	3.8
60°-70°	4.2	0.5
70°-80°	3.5	0.4
80°-90°	1.6	0.2
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°	413.8	45.7
0°-40°	685.9	75.7
0°-60°	896.7	99.0
0°-90°	906.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	906.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	345	345	345	345	345	
5°	783	635	321	129	88	83
15°	1474	1006	154	9	8	425
25°	1850	1098	35	4	5	867
35°	2000	739	4	4	6	1229
45°	1312	186	2	6	8	989
55°	104	2	3	8	10	198
65°	2	2	3	7	9	1
75°	1	2	3	5	7	1
85°	0	1	2	2	2	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°	344.8	344.8	344.8	344.8	344.8	344.8	344.8	344.8	344.8	344.8	344.8
2.5°	559.9	558.4	560.7	545.5	544.8	533.4	530.4	517.5	500.1	491.7	472.0
5°	782.7	775.1	775.1	756.9	750.9	738.0	716.0	688.7	666.0	634.9	601.6
7.5°	954.7	953.2	953.2	937.3	922.1	903.9	874.4	843.3	806.9	759.2	710.7
10°	1090.3	1092.6	1085.8	1071.4	1049.4	1029.7	994.9	957.0	912.3	862.3	797.9
12.5°	1261.6	1244.9	1239.6	1207.0	1179.0	1141.1	1099.4	1056.2	1000.9	938.0	865.3
15°	1473.7	1452.5	1431.3	1388.1	1341.1	1282.8	1217.6	1154.0	1082.7	1006.2	915.3
17.5°	1663.1	1663.1	1635.1	1566.9	1506.3	1419.9	1332.0	1247.2	1163.1	1062.3	948.6
20°	1792.7	1785.9	1764.7	1714.7	1645.7	1548.0	1433.6	1314.6	1213.1	1099.4	967.6
22.5°	1835.1	1833.6	1834.4	1804.8	1749.5	1648.0	1507.8	1367.6	1240.3	1108.5	958.5
25°	1850.3	1853.3	1860.9	1849.5	1807.9	1706.3	1553.3	1392.6	1248.7	1097.9	923.6
27.5°	1913.2	1907.1	1915.5	1907.9	1860.9	1739.7	1562.4	1386.6	1230.5	1059.3	861.5
30°	1962.4	1960.9	1975.3	1968.5	1907.1	1760.9	1554.0	1363.9	1185.8	979.7	763.8
32.5°	1990.5	1991.2	1995.0	1967.0	1876.1	1714.7	1513.1	1317.6	1101.7	875.9	636.5
35°	1999.6	1995.0	1973.8	1904.8	1780.6	1607.8	1412.3	1207.8	987.3	738.8	503.1
37.5°	1960.2	1936.7	1882.1	1779.1	1635.1	1473.7	1283.5	1069.1	830.4	583.4	375.1
40°	1809.4	1778.3	1709.4	1604.0	1469.9	1313.8	1119.1	894.8	644.0	428.1	263.7
42.5°	1583.6	1567.7	1495.7	1404.0	1290.4	1132.8	932.0	704.7	476.6	295.5	168.2
45°	1311.6	1291.1	1245.7	1164.6	1075.2	910.0	722.8	504.6	325.1	186.4	83.3
47.5°	983.5	985.0	953.9	892.6	804.7	666.8	494.8	338.7	203.8	96.2	18.9
50°	766.0	755.4	711.5	648.6	546.3	444.0	319.7	213.7	107.6	19.7	1.5
52.5°	424.3	431.1	407.6	387.2	334.1	265.2	188.7	108.4	22.7	2.3	1.5
55°	103.8	109.9	105.3	107.6	111.4	99.3	76.5	21.2	2.3	1.5	1.5
57.5°	2.3	2.3	2.3	2.3	3.8	5.3	5.3	1.5	1.5	1.5	1.5
60°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
62.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5
77.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
80°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
82.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
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°	344.8	344.8	344.8	344.8	344.8	344.8	344.8	344.8
2.5°	462.2	447.8	421.3	342.5	275.0	222.0	190.2	187.2
5°	572.1	533.4	477.3	321.3	203.1	128.8	93.2	87.9
7.5°	659.2	604.6	518.3	286.4	138.7	65.9	36.4	30.3
10°	731.2	653.9	539.5	245.5	87.1	28.0	15.2	12.9
12.5°	780.4	687.2	543.3	200.0	50.0	13.6	9.9	9.1
15°	812.2	697.8	525.1	153.8	28.0	9.1	8.3	7.6
17.5°	825.1	688.7	490.2	111.4	15.2	6.8	6.8	6.8
20°	819.1	659.2	438.7	78.0	9.9	6.1	6.1	6.1
22.5°	790.3	608.4	374.3	52.3	6.8	5.3	5.3	5.3
25°	733.4	539.5	306.1	34.9	4.5	4.5	5.3	5.3
27.5°	648.6	454.6	234.1	23.5	3.8	4.5	5.3	5.3
30°	541.8	359.9	168.2	15.2	3.8	4.5	4.5	5.3
32.5°	430.4	262.2	110.6	9.1	3.0	4.5	5.3	6.1
35°	312.2	178.8	70.5	4.5	3.8	4.5	5.3	6.1
37.5°	219.0	116.7	40.9	3.0	3.8	4.5	6.1	6.1
40°	142.4	65.2	15.2	2.3	3.8	5.3	6.1	6.8
42.5°	74.3	22.7	3.0	2.3	3.8	5.3	6.8	7.6
45°	18.9	3.0	0.8	2.3	4.5	6.1	7.6	7.6
47.5°	2.3	0.8	0.8	3.0	4.5	6.8	7.6	8.3
50°	0.8	1.5	1.5	3.0	4.5	6.8	8.3	9.1
52.5°	1.5	1.5	1.5	3.0	5.3	6.8	9.1	9.9
55°	1.5	1.5	1.5	3.0	5.3	7.6	9.1	9.9
57.5°	1.5	1.5	1.5	3.0	5.3	7.6	9.1	9.1
60°	1.5	1.5	1.5	3.0	5.3	7.6	9.1	9.1
62.5°	1.5	1.5	2.3	3.0	5.3	6.8	9.1	9.1
65°	1.5	2.3	2.3	3.0	5.3	6.8	8.3	9.1
67.5°	1.5	1.5	2.3	3.0	5.3	6.8	8.3	9.1
70°	1.5	1.5	2.3	3.0	4.5	6.1	7.6	8.3
72.5°	1.5	1.5	2.3	3.0	4.5	6.1	6.8	7.6
75°	1.5	1.5	2.3	3.0	3.8	5.3	6.8	6.8
77.5°	1.5	1.5	2.3	2.3	3.8	4.5	6.1	6.1
80°	1.5	1.5	2.3	2.3	3.0	3.8	4.5	5.3
82.5°	1.5	1.5	1.5	2.3	2.3	3.0	3.8	3.8
85°	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3
87.5°	0.8	1.5	1.5	1.5	1.5	1.5	1.5	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)