

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: P1307971

Luminaire Tested: LDSQA3D09R359027DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307971
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359027DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

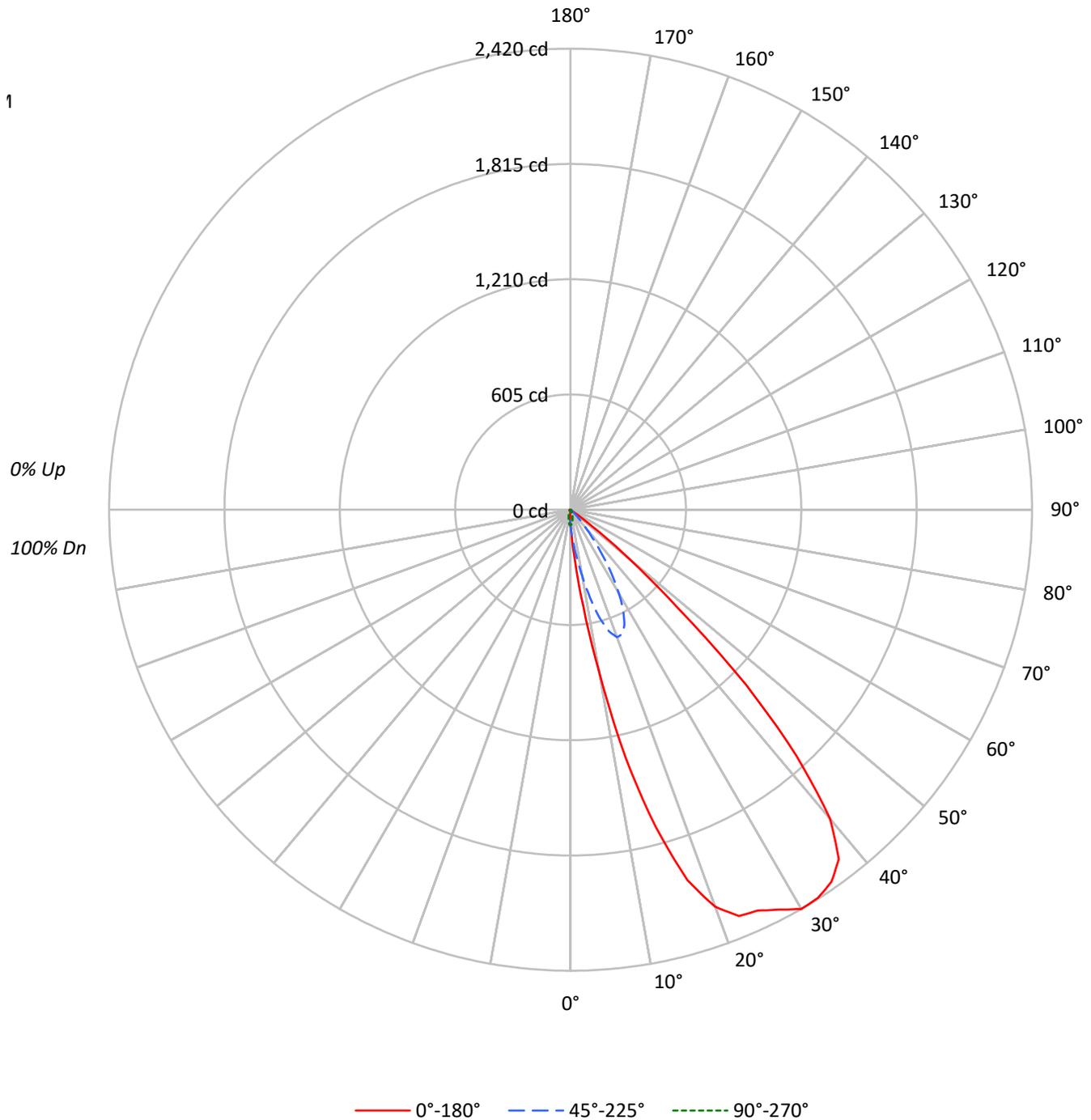
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 761.0 lumens
Efficiency: N/A
Efficacy: 68.6 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
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	100	100	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91	91	91	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83	83	83	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74	74	74	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67	67	67	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61	61	61	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55	55	55	55
7	75	64	57	52	74	64	57	52	62	56	52	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	46	42	51	46	42	41	41	41	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	13761	13761	13761	13761	13761
5°	46885	30462	12880	5428	4011
10°	150886	61767	10160	2029	1312
15°	307421	104750	7185	731	481
20°	406523	130456	4637	257	257
25°	441090	126824	2603	133	266
30°	481175	101063	1094	139	278
35°	501392	62905	294	147	294
40°	475788	27496	157	315	450
45°	317626	10985	170	487	828
50°	106529	1822	375	723	1099
55°	5945	210	420	1021	1441
60°	482	241	689	1171	1653
65°	571	285	815	1386	1956
70°	352	352	1007	1712	2065
75°	466	466	1331	1797	2262
80°	0	694	1984	1984	1984
85°	0	1383	3952	1383	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 317626 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.9	1.8
10°-20°	109.3	14.4
20°-30°	230.7	30.3
30°-40°	261.7	34.4
40°-50°	128.8	16.9
50°-60°	11.2	1.5
60°-70°	2.3	0.3
70°-80°	2.1	0.3
80°-90°	1.0	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°	353.9	46.5
0°-40°	615.6	80.9
0°-60°	755.6	99.3
0°-90°	761.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	761.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	80	80	80	80	80	
5°	271	176	74	31	23	45
15°	1724	588	40	4	3	490
25°	2321	667	14	1	1	1080
35°	2385	299	1	1	1	1470
45°	1304	45	1	2	3	964
55°	20	1	1	3	5	78
65°	1	1	2	3	5	1
75°	1	1	2	3	3	0
85°	0	1	2	1	1	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
2.5°	138.7	142.1	140.7	140.0	139.4	136.6	130.5	129.8	123.6	119.5	99.1
5°	271.2	265.7	267.1	259.6	250.0	236.4	227.5	208.4	192.6	176.2	115.4
7.5°	511.0	503.5	489.1	467.3	444.7	415.3	370.9	335.4	294.4	255.5	128.4
10°	862.8	858.7	840.2	784.2	735.0	656.5	582.7	504.8	428.3	353.2	137.3
12.5°	1332.8	1304.8	1271.3	1196.8	1099.8	1001.5	856.0	721.4	599.1	473.4	138.0
15°	1724.2	1706.4	1659.3	1562.3	1445.5	1303.4	1130.6	949.5	765.1	587.5	131.2
17.5°	2039.1	2011.8	1951.0	1856.0	1721.5	1537.0	1334.8	1114.2	889.4	668.8	119.5
20°	2218.1	2203.7	2157.3	2062.3	1915.5	1714.0	1483.7	1226.9	967.3	711.8	104.5
22.5°	2308.3	2298.0	2263.9	2188.0	2050.7	1847.8	1584.2	1285.6	989.8	707.0	88.8
25°	2321.2	2318.5	2289.1	2231.8	2117.0	1916.2	1627.9	1296.6	971.4	667.4	73.8
27.5°	2366.3	2356.8	2321.9	2264.5	2149.1	1927.8	1612.8	1259.0	912.0	597.7	61.5
30°	2419.6	2412.8	2377.9	2318.5	2181.9	1916.8	1559.6	1175.7	817.0	508.2	45.8
32.5°	2415.5	2412.8	2383.4	2320.6	2158.7	1852.6	1464.6	1050.6	687.9	401.0	28.7
35°	2384.8	2375.2	2338.3	2241.3	2026.1	1687.3	1284.3	881.2	544.4	299.2	18.4
37.5°	2311.0	2290.5	2228.3	2063.7	1789.1	1432.5	1045.9	680.4	385.3	200.2	11.6
40°	2116.3	2090.4	1965.3	1766.6	1479.0	1128.5	778.1	467.9	254.1	122.3	4.8
42.5°	1755.6	1703.0	1578.0	1373.8	1103.9	797.9	511.0	303.3	149.6	73.8	1.4
45°	1304.1	1263.8	1132.6	947.5	723.4	511.7	309.5	163.9	82.7	45.1	0.7
47.5°	759.6	735.0	667.4	545.8	399.6	268.5	158.5	88.1	48.5	21.9	0.7
50°	397.6	366.8	315.6	239.1	176.2	123.6	77.2	47.1	23.9	6.8	0.7
52.5°	139.4	137.3	125.0	94.3	76.5	55.3	37.6	20.5	6.8	1.4	0.7
55°	19.8	19.8	18.4	20.5	21.9	19.8	13.0	5.5	1.4	0.7	0.7
57.5°	1.4	1.4	1.4	2.0	2.7	2.7	2.0	0.7	0.7	0.7	1.4
60°	1.4	1.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
62.5°	1.4	1.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
65°	1.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
77.5°	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.4
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):

	90°	112.5°	135°	157.5°	180°
0°	79.9	79.9	79.9	79.9	79.9
2.5°	79.2	63.5	50.6	44.4	42.4
5°	74.5	47.8	31.4	24.6	23.2
7.5°	66.3	34.2	19.1	13.7	13.0
10°	58.1	24.6	11.6	8.2	7.5
12.5°	48.5	17.1	7.5	4.8	4.1
15°	40.3	11.6	4.1	3.4	2.7
17.5°	32.1	7.5	2.7	2.0	2.7
20°	25.3	4.8	1.4	1.4	1.4
22.5°	19.1	2.7	1.4	1.4	1.4
25°	13.7	1.4	0.7	0.7	1.4
27.5°	9.6	0.7	0.7	0.7	1.4
30°	0.7	0.7	0.7	0.7	1.4
32.5°	2.7	0.7	0.7	1.4	1.4
35°	1.4	0.7	0.7	1.4	1.4
37.5°	0.7	0.7	0.7	1.4	2.0
40°	0.7	0.7	1.4	2.0	2.0
42.5°	0.7	0.7	1.4	2.0	2.7
45°	0.7	1.4	2.0	2.7	3.4
47.5°	1.4	1.4	2.7	3.4	4.1
50°	1.4	2.0	2.7	4.1	4.1
52.5°	1.4	2.0	3.4	4.1	4.8
55°	1.4	2.7	3.4	4.8	4.8
57.5°	2.0	2.7	3.4	4.8	4.8
60°	2.0	2.7	3.4	4.8	4.8
62.5°	2.0	2.7	3.4	4.8	4.8
65°	2.0	2.7	3.4	4.8	4.8
67.5°	2.0	2.7	3.4	4.1	4.8
70°	2.0	2.7	3.4	4.1	4.1
72.5°	2.7	2.7	3.4	4.1	4.1
75°	2.0	2.7	2.7	3.4	3.4
77.5°	2.0	2.0	2.0	2.7	2.7
80°	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	1.4	1.4	2.0	2.0
85°	2.0	1.4	0.7	1.4	1.4
87.5°	1.4	1.4	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)