

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: P1316436

Luminaire Tested: LDSQA3D09R359740DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316436
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: LDSQA3D09R359740DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

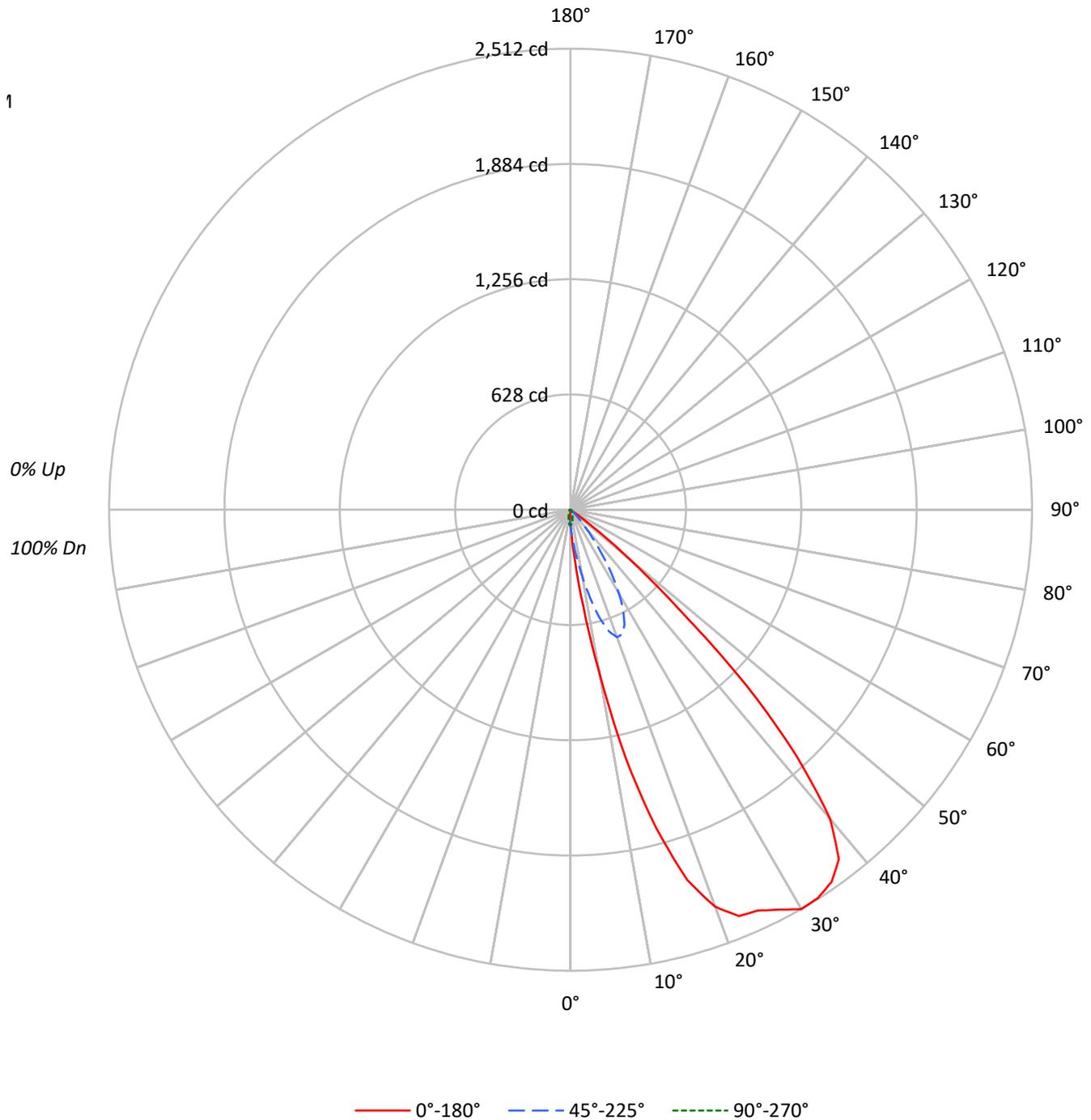
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 789.9 lumens
Efficiency: N/A
Efficacy: 71.2 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 (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	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	14294	14294	14294	14294	14294
5°	48666	31637	13364	5636	4166
10°	156640	64111	10545	2116	1364
15°	319136	108744	7453	767	499
20°	422010	135422	4802	257	257
25°	457907	131650	2698	133	266
30°	499511	104921	1134	139	278
35°	520504	65302	294	147	294
40°	493931	28530	157	315	472
45°	329731	11399	170	511	852
50°	110575	1902	375	750	1152
55°	6185	210	420	1051	1501
60°	482	241	723	1206	1722
65°	571	285	856	1426	2038
70°	352	352	1057	1762	2165
75°	466	466	1397	1863	2329
80°	0	694	2083	2083	2083
85°	0	1383	4150	1383	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 329731 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.4	1.8
10°-20°	113.5	14.4
20°-30°	239.5	30.3
30°-40°	271.7	34.4
40°-50°	133.7	16.9
50°-60°	11.6	1.5
60°-70°	2.3	0.3
70°-80°	2.2	0.3
80°-90°	1.1	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°	367.3	46.5
0°-40°	639.0	80.9
0°-60°	784.3	99.3
0°-90°	789.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	789.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	83	83	83	83	83	
5°	282	183	77	33	24	46
15°	1790	610	42	4	3	509
25°	2410	693	14	1	1	1121
35°	2476	311	1	1	1	1526
45°	1354	47	1	2	4	1000
55°	21	1	1	4	5	81
65°	1	1	2	4	5	1
75°	1	1	2	3	4	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°	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0
2.5°	144.0	147.5	146.1	145.4	144.7	141.8	135.4	134.7	128.4	124.1	102.8
5°	281.5	275.9	277.3	269.5	259.6	245.4	236.1	216.3	200.0	183.0	119.8
7.5°	530.4	522.6	507.8	485.1	461.7	431.2	385.1	348.2	305.6	265.2	133.3
10°	895.7	891.4	872.3	814.1	763.0	681.5	604.9	524.1	444.6	366.6	142.5
12.5°	1383.6	1354.5	1319.7	1242.4	1141.7	1039.6	888.6	748.9	621.9	491.4	143.2
15°	1789.9	1771.5	1722.5	1621.8	1500.6	1353.1	1173.6	985.7	794.3	609.9	136.2
17.5°	2116.8	2088.5	2025.3	1926.8	1787.1	1595.6	1385.7	1156.6	923.3	694.3	124.1
20°	2302.6	2287.7	2239.5	2140.9	1988.5	1779.3	1540.3	1273.6	1004.2	738.9	108.5
22.5°	2396.2	2385.6	2350.1	2271.4	2128.9	1918.3	1644.5	1334.6	1027.6	734.0	92.2
25°	2409.7	2406.9	2376.4	2316.8	2197.7	1989.2	1689.9	1346.0	1008.4	692.8	76.6
27.5°	2456.5	2446.6	2410.4	2350.8	2231.0	2001.2	1674.3	1307.0	946.7	620.5	63.8
30°	2511.8	2504.7	2468.6	2406.9	2265.0	1989.9	1619.0	1220.5	848.1	527.6	47.5
32.5°	2507.6	2504.7	2474.2	2409.0	2240.9	1923.2	1520.4	1090.7	714.1	416.3	29.8
35°	2475.7	2465.7	2427.4	2326.7	2103.3	1751.6	1333.2	914.8	565.2	310.6	19.1
37.5°	2399.1	2377.8	2313.3	2142.4	1857.3	1487.1	1085.7	706.3	400.0	207.8	12.1
40°	2197.0	2170.0	2040.2	1833.9	1535.3	1171.5	807.7	485.8	263.8	126.9	5.0
42.5°	1822.5	1767.9	1638.1	1426.1	1146.0	828.3	530.4	314.9	155.3	76.6	1.4
45°	1353.8	1311.9	1175.8	983.6	751.0	531.2	321.2	170.2	85.8	46.8	0.7
47.5°	788.6	763.0	692.8	566.6	414.9	278.7	164.5	91.5	50.3	22.7	0.7
50°	412.7	380.8	327.6	248.2	183.0	128.4	80.1	48.9	24.8	7.1	0.7
52.5°	144.7	142.5	129.8	97.9	79.4	57.4	39.0	21.3	7.1	1.4	0.7
55°	20.6	20.6	19.1	21.3	22.7	20.6	13.5	5.7	1.4	0.7	0.7
57.5°	1.4	1.4	1.4	2.1	2.8	2.8	2.1	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	2.1
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1
77.5°	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.1
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	0.0	0.7	0.7	0.7	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	83.0	83.0	83.0	83.0	83.0
2.5°	82.3	66.0	52.5	46.1	44.0
5°	77.3	49.6	32.6	25.5	24.1
7.5°	68.8	35.5	19.9	14.2	13.5
10°	60.3	25.5	12.1	8.5	7.8
12.5°	50.3	17.7	7.8	5.0	4.3
15°	41.8	12.1	4.3	3.5	2.8
17.5°	33.3	7.8	2.8	2.1	2.8
20°	26.2	5.0	1.4	1.4	1.4
22.5°	19.9	2.8	1.4	1.4	1.4
25°	14.2	1.4	0.7	0.7	1.4
27.5°	9.9	0.7	0.7	0.7	1.4
30°	5.7	0.7	0.7	0.7	1.4
32.5°	2.8	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	2.1
40°	0.7	0.7	1.4	2.1	2.1
42.5°	0.7	0.7	1.4	2.1	2.8
45°	0.7	1.4	2.1	2.8	3.5
47.5°	1.4	1.4	2.8	3.5	4.3
50°	1.4	2.1	2.8	4.3	4.3
52.5°	1.4	2.1	3.5	4.3	5.0
55°	1.4	2.8	3.5	5.0	5.0
57.5°	2.1	2.8	3.5	5.0	5.0
60°	2.1	2.8	3.5	5.0	5.0
62.5°	2.1	2.8	3.5	5.0	5.0
65°	2.1	2.8	3.5	5.0	5.0
67.5°	2.1	2.8	3.5	4.3	5.0
70°	2.1	2.8	3.5	4.3	4.3
72.5°	2.8	2.8	3.5	4.3	4.3
75°	2.1	2.8	2.8	3.5	3.5
77.5°	2.1	2.1	2.1	2.8	2.8
80°	2.1	2.1	2.1	2.1	2.1
82.5°	2.1	1.4	1.4	2.1	2.1
85°	2.1	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)