

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: P1311325

Luminaire Tested: LDSQA3D09R359040DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311325
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: LDSQA3D09R359040DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

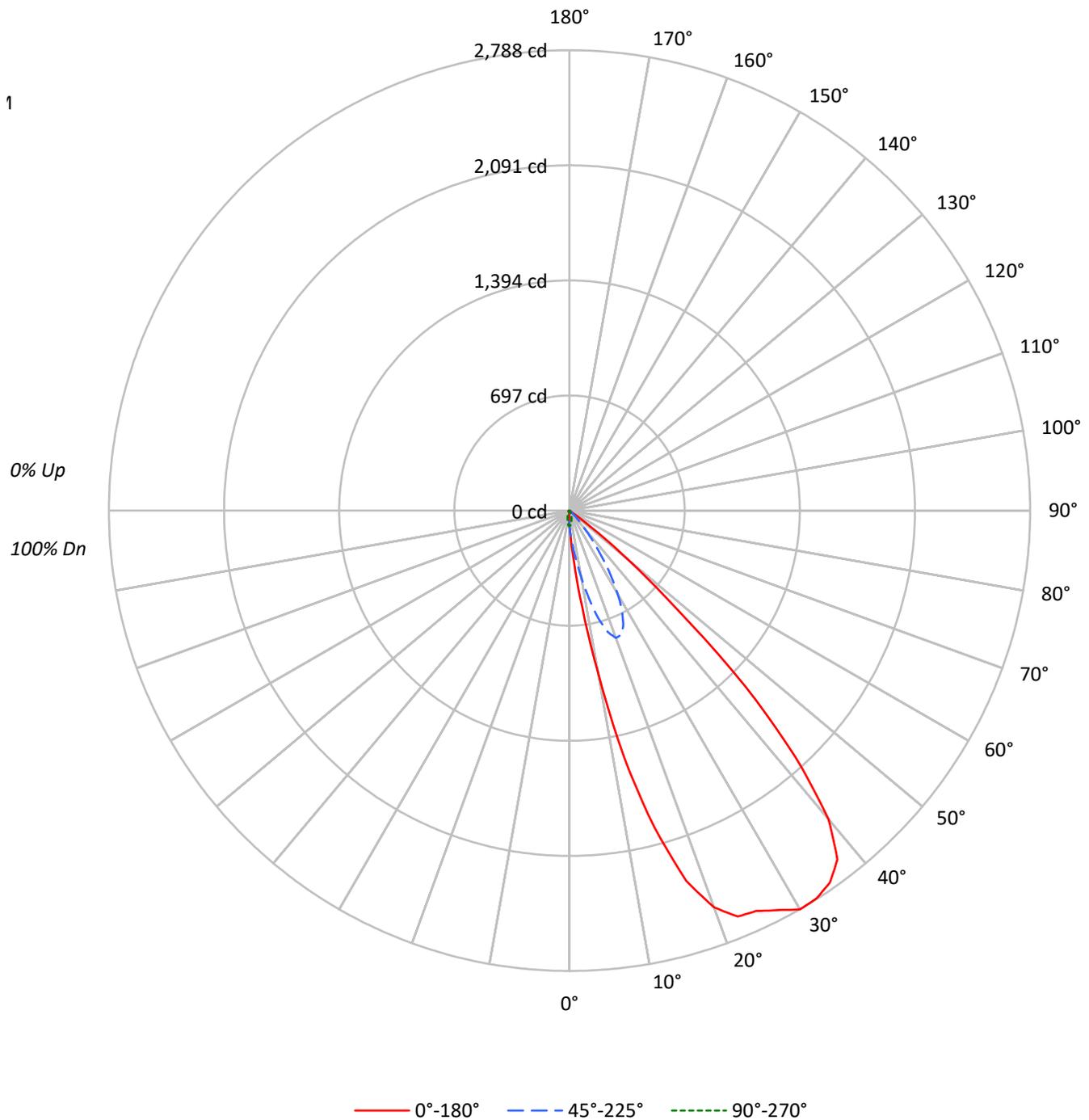
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 877.0 lumens
Efficiency: N/A
Efficacy: 79.0 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91	91	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83	83	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	74	74	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	67	67	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	61	61	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	55	55	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	49	49	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	45	45	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	41	41	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	15862	15862	15862	15862	15862
5°	54025	35112	14833	6258	4633
10°	173883	71176	11699	2343	1521
15°	354278	120708	8273	838	553
20°	468489	150341	5333	293	293
25°	508340	146150	2983	152	304
30°	554517	116476	1253	159	318
35°	577816	72492	336	168	336
40°	548315	31677	180	360	540
45°	366046	12665	195	585	950
50°	122766	2117	429	831	1259
55°	6846	240	480	1171	1651
60°	551	276	827	1343	1894
65°	652	326	978	1589	2241
70°	403	403	1209	1964	2367
75°	532	532	1597	2063	2595
80°	0	793	2380	2380	2380
85°	0	1581	4742	1581	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 366046 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.0	1.8
10°-20°	125.9	14.4
20°-30°	265.9	30.3
30°-40°	301.6	34.4
40°-50°	148.5	16.9
50°-60°	12.9	1.5
60°-70°	2.6	0.3
70°-80°	2.4	0.3
80°-90°	1.2	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°	407.8	46.5
0°-40°	709.4	80.9
0°-60°	870.8	99.3
0°-90°	877.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	877.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	92	92	92	92	92	
5°	312	203	86	36	27	51
15°	1987	677	46	5	3	565
25°	2675	769	16	1	2	1245
35°	2748	345	2	1	2	1694
45°	1503	52	1	2	4	1110
55°	23	1	2	4	6	90
65°	2	1	2	4	6	1
75°	1	1	2	3	4	1
85°	0	1	2	1	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°	67.5°
0°	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1	92.1
2.5°	159.8	163.7	162.2	161.4	160.6	157.5	150.4	149.6	142.5	137.8	114.2
5°	312.5	306.2	307.8	299.2	288.1	272.4	262.2	240.1	222.0	203.1	133.0
7.5°	588.9	580.2	563.7	538.5	512.5	478.6	427.5	386.5	339.3	294.4	148.0
10°	994.3	989.6	968.3	903.8	847.1	756.5	671.5	581.8	493.6	407.0	158.2
12.5°	1535.9	1503.6	1465.1	1379.3	1267.5	1154.1	986.4	831.3	690.4	545.6	159.0
15°	1987.0	1966.6	1912.2	1800.4	1665.8	1502.1	1302.9	1094.3	881.7	677.0	151.2
17.5°	2349.9	2318.5	2248.4	2139.0	1983.9	1771.3	1538.3	1284.0	1025.0	770.7	137.8
20°	2556.2	2539.7	2486.1	2376.7	2207.4	1975.2	1709.9	1413.9	1114.7	820.3	120.4
22.5°	2660.1	2648.3	2608.9	2521.6	2363.3	2129.5	1825.6	1481.6	1140.7	814.8	102.3
25°	2675.1	2671.9	2638.1	2571.9	2439.7	2208.2	1876.0	1494.2	1119.5	769.1	85.0
27.5°	2727.0	2716.0	2675.9	2609.7	2476.7	2221.6	1858.7	1450.9	1051.0	688.8	70.9
30°	2788.4	2780.6	2740.4	2671.9	2514.5	2209.0	1797.3	1354.9	941.6	585.7	52.7
32.5°	2783.7	2780.6	2746.7	2674.3	2487.7	2135.0	1687.9	1210.8	792.8	462.1	33.1
35°	2748.3	2737.3	2694.8	2583.0	2335.0	1944.5	1480.0	1015.6	627.4	344.8	21.3
37.5°	2663.3	2639.7	2568.0	2378.3	2061.8	1650.9	1205.3	784.1	444.0	230.7	13.4
40°	2438.9	2409.0	2264.9	2035.8	1704.4	1300.5	896.7	539.3	292.9	140.9	5.5
42.5°	2023.2	1962.6	1818.5	1583.2	1272.2	919.5	588.9	349.5	172.4	85.0	1.6
45°	1502.9	1456.4	1305.3	1091.9	833.7	589.7	356.6	188.9	95.3	52.0	0.8
47.5°	875.4	847.1	769.1	629.0	460.5	309.4	182.6	101.6	55.9	25.2	0.8
50°	458.2	422.8	363.7	275.5	203.1	142.5	89.0	54.3	27.6	7.9	0.8
52.5°	160.6	158.2	144.1	108.6	88.2	63.8	43.3	23.6	7.9	1.6	0.8
55°	22.8	22.8	21.3	23.6	25.2	22.8	15.0	6.3	1.6	0.8	0.8
57.5°	1.6	1.6	1.6	2.4	3.1	3.1	2.4	0.8	0.8	0.8	1.6
60°	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
62.5°	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
65°	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
67.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4
75°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4
77.5°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	2.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.6
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.6
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°	92.1	92.1	92.1	92.1	92.1
2.5°	91.3	73.2	58.3	51.2	48.8
5°	85.8	55.1	36.2	28.3	26.8
7.5°	76.4	39.4	22.0	15.7	15.0
10°	66.9	28.3	13.4	9.4	8.7
12.5°	55.9	19.7	8.7	5.5	4.7
15°	46.4	13.4	4.7	3.9	3.1
17.5°	37.0	8.7	3.1	2.4	3.1
20°	29.1	5.5	1.6	1.6	1.6
22.5°	22.0	3.1	1.6	1.6	1.6
25°	15.7	1.6	0.8	0.8	1.6
27.5°	11.0	0.8	0.8	0.8	1.6
30°	6.3	0.8	0.8	0.8	1.6
32.5°	3.1	0.8	0.8	1.6	1.6
35°	1.6	0.8	0.8	1.6	1.6
37.5°	0.8	0.8	0.8	1.6	2.4
40°	0.8	0.8	1.6	2.4	2.4
42.5°	0.8	0.8	1.6	2.4	3.1
45°	0.8	1.6	2.4	3.1	3.9
47.5°	1.6	1.6	3.1	3.9	4.7
50°	1.6	2.4	3.1	4.7	4.7
52.5°	1.6	2.4	3.9	4.7	5.5
55°	1.6	3.1	3.9	5.5	5.5
57.5°	2.4	3.1	3.9	5.5	5.5
60°	2.4	3.1	3.9	5.5	5.5
62.5°	2.4	3.1	3.9	5.5	5.5
65°	2.4	3.1	3.9	5.5	5.5
67.5°	2.4	3.1	3.9	4.7	5.5
70°	2.4	3.1	3.9	4.7	4.7
72.5°	3.1	3.1	3.9	4.7	4.7
75°	2.4	3.1	3.1	3.9	3.9
77.5°	2.4	2.4	2.4	3.1	3.1
80°	2.4	2.4	2.4	2.4	2.4
82.5°	2.4	1.6	1.6	2.4	2.4
85°	2.4	1.6	0.8	1.6	1.6
87.5°	1.6	1.6	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)