

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: P1312402

Luminaire Tested: LDSQA3D09R359050DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312402
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: LDSQA3D09R359050DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

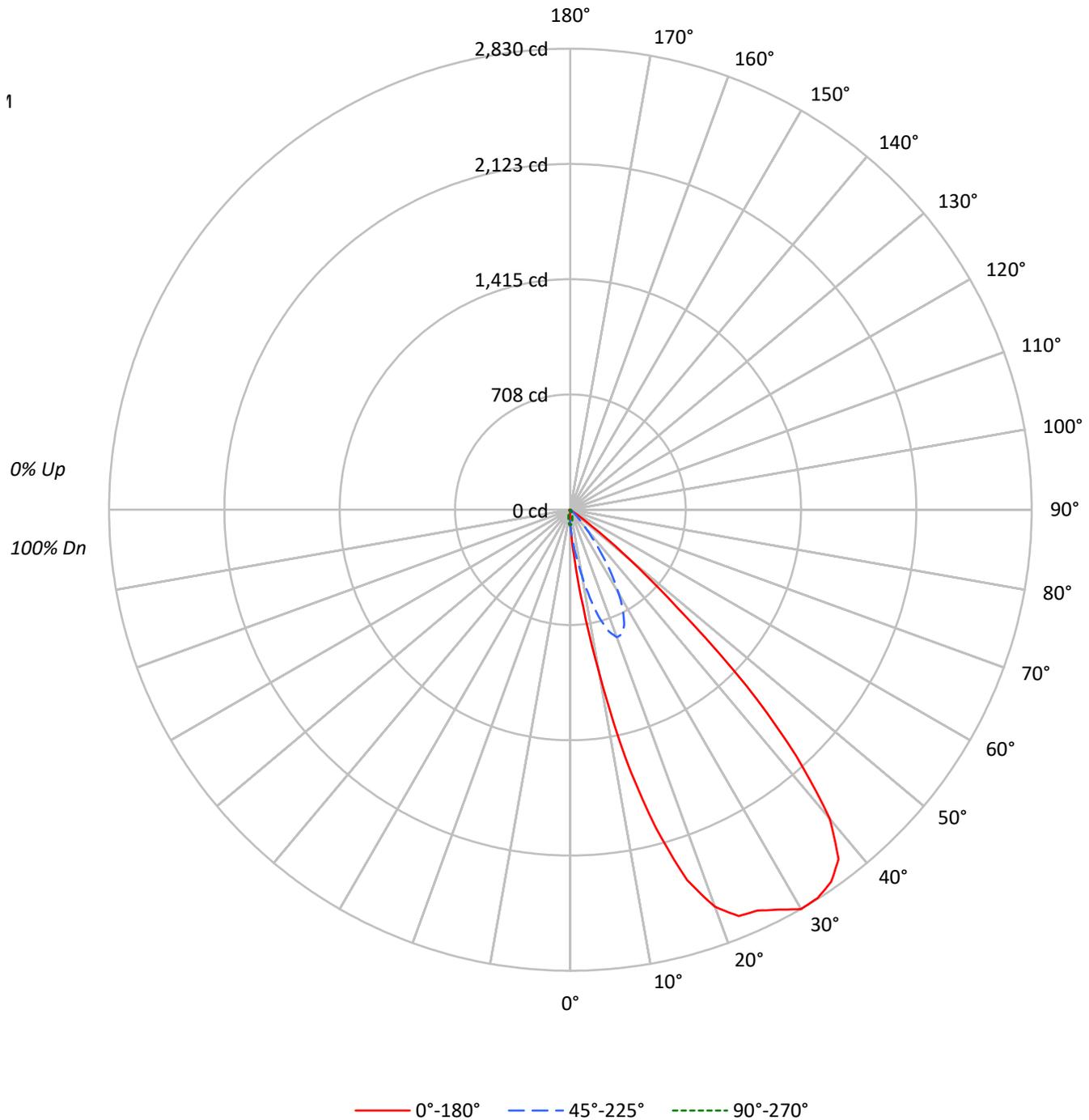
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 890.0 lumens
Efficiency: N/A
Efficacy: 80.2 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 (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	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	89	87	84	83
3	99	91	85	81	97	90	84	80	87	83	79	85	81	77	82	79	76	82	79	76	74
4	92	83	77	72	91	82	76	71	80	75	71	78	73	70	76	72	69	76	72	69	67
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	70	66	62	61
6	81	70	63	58	79	69	62	58	68	62	57	66	61	57	65	60	56	65	60	56	55
7	75	64	57	52	74	64	57	52	62	56	52	61	55	51	60	55	51	60	55	51	49
8	71	59	52	47	69	59	52	47	57	51	47	56	51	47	55	50	46	55	50	46	45
9	66	55	48	43	65	54	47	43	53	47	43	52	46	42	51	46	42	51	46	42	41
10	62	50	44	39	61	50	43	39	49	43	39	48	43	39	47	42	39	47	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	16103	16103	16103	16103	16103
5°	54838	35631	15058	6362	4702
10°	176453	72225	11874	2378	1539
15°	359538	122509	8398	856	571
20°	475435	152577	5425	293	293
25°	515865	148316	3040	152	304
30°	562750	118206	1273	159	318
35°	586373	73565	336	168	336
40°	556454	32149	180	360	540
45°	371453	12836	195	585	974
50°	124588	2143	429	857	1286
55°	6966	240	480	1201	1681
60°	551	276	827	1378	1929
65°	652	326	978	1630	2282
70°	403	403	1209	2014	2417
75°	532	532	1597	2129	2662
80°	0	793	2380	2380	2380
85°	0	1581	4742	1581	3162

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 371453 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.2	1.8
10°-20°	127.8	14.4
20°-30°	269.8	30.3
30°-40°	306.1	34.4
40°-50°	150.7	16.9
50°-60°	13.1	1.5
60°-70°	2.7	0.3
70°-80°	2.5	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°	413.8	46.5
0°-40°	720.0	80.9
0°-60°	883.7	99.3
0°-90°	890.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	890.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	94	94	94	94	94	
5°	317	206	87	37	27	52
15°	2016	687	47	5	3	573
25°	2715	780	16	1	2	1263
35°	2789	350	2	1	2	1719
45°	1525	53	1	2	4	1127
55°	23	1	2	4	6	91
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°	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
2.5°	162.2	166.2	164.6	163.8	163.0	159.8	152.6	151.8	144.6	139.8	115.8
5°	317.2	310.8	312.4	303.6	292.4	276.4	266.0	243.7	225.3	206.1	135.0
7.5°	597.6	588.8	572.0	546.5	520.1	485.7	433.8	392.3	344.3	298.8	150.2
10°	1009.0	1004.2	982.7	917.2	859.6	767.8	681.5	590.4	500.9	413.0	160.6
12.5°	1558.7	1525.9	1486.8	1399.7	1286.3	1171.2	1001.0	843.7	700.7	553.7	161.4
15°	2016.5	1995.7	1940.6	1827.1	1690.5	1524.3	1322.2	1110.5	894.8	687.1	153.4
17.5°	2384.8	2352.8	2281.7	2170.7	2013.3	1797.6	1561.1	1303.0	1040.2	782.1	139.8
20°	2594.1	2577.3	2523.0	2411.9	2240.2	2004.5	1735.3	1434.9	1131.3	832.5	122.2
22.5°	2699.6	2687.6	2647.6	2558.9	2398.4	2161.1	1852.7	1503.6	1157.6	826.9	103.9
25°	2714.7	2711.5	2677.2	2610.1	2475.9	2241.0	1903.8	1516.4	1136.1	780.5	86.3
27.5°	2767.5	2756.3	2715.5	2648.4	2513.4	2254.6	1886.3	1472.4	1066.6	699.1	71.9
30°	2829.8	2821.8	2781.0	2711.5	2551.8	2241.8	1823.9	1374.9	955.5	594.4	53.5
32.5°	2825.0	2821.8	2787.4	2713.9	2524.6	2166.7	1712.9	1228.7	804.5	469.0	33.6
35°	2789.0	2777.8	2734.7	2621.3	2369.6	1973.3	1502.0	1030.6	636.7	349.9	21.6
37.5°	2702.7	2678.8	2606.1	2413.5	2092.4	1675.3	1223.1	795.7	450.6	234.1	13.6
40°	2475.1	2444.7	2298.5	2066.0	1729.7	1319.8	910.0	547.3	297.2	143.0	5.6
42.5°	2053.2	1991.7	1845.5	1606.6	1291.1	933.1	597.6	354.7	175.0	86.3	1.6
45°	1525.1	1478.0	1324.6	1108.1	846.1	598.4	361.9	191.7	96.7	52.7	0.8
47.5°	888.4	859.6	780.5	638.3	467.4	314.0	185.3	103.1	56.7	25.6	0.8
50°	465.0	429.0	369.1	279.6	206.1	144.6	90.3	55.1	28.0	8.0	0.8
52.5°	163.0	160.6	146.2	110.3	89.5	64.7	43.9	24.0	8.0	1.6	0.8
55°	23.2	23.2	21.6	24.0	25.6	23.2	15.2	6.4	1.6	0.8	0.8
57.5°	1.6	1.6	1.6	2.4	3.2	3.2	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°	93.5	93.5	93.5	93.5	93.5
2.5°	92.7	74.3	59.1	51.9	49.5
5°	87.1	55.9	36.8	28.8	27.2
7.5°	77.5	39.9	22.4	16.0	15.2
10°	67.9	28.8	13.6	9.6	8.8
12.5°	56.7	20.0	8.8	5.6	4.8
15°	47.1	13.6	4.8	4.0	3.2
17.5°	37.5	8.8	3.2	2.4	3.2
20°	29.6	5.6	1.6	1.6	1.6
22.5°	22.4	3.2	1.6	1.6	1.6
25°	16.0	1.6	0.8	0.8	1.6
27.5°	11.2	0.8	0.8	0.8	1.6
30°	6.4	0.8	0.8	0.8	1.6
32.5°	3.2	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	3.2
45°	0.8	1.6	2.4	3.2	4.0
47.5°	1.6	1.6	3.2	4.0	4.8
50°	1.6	2.4	3.2	4.8	4.8
52.5°	1.6	2.4	4.0	4.8	5.6
55°	1.6	3.2	4.0	5.6	5.6
57.5°	2.4	3.2	4.0	5.6	5.6
60°	2.4	3.2	4.0	5.6	5.6
62.5°	2.4	3.2	4.0	5.6	5.6
65°	2.4	3.2	4.0	5.6	5.6
67.5°	2.4	3.2	4.0	4.8	5.6
70°	2.4	3.2	4.0	4.8	4.8
72.5°	3.2	3.2	4.0	4.8	4.8
75°	2.4	3.2	3.2	4.0	4.0
77.5°	2.4	2.4	2.4	3.2	3.2
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)