

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: P1309089

Luminaire Tested: LDSQA3D09R359030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309089
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: LDSQA3D09R359030DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

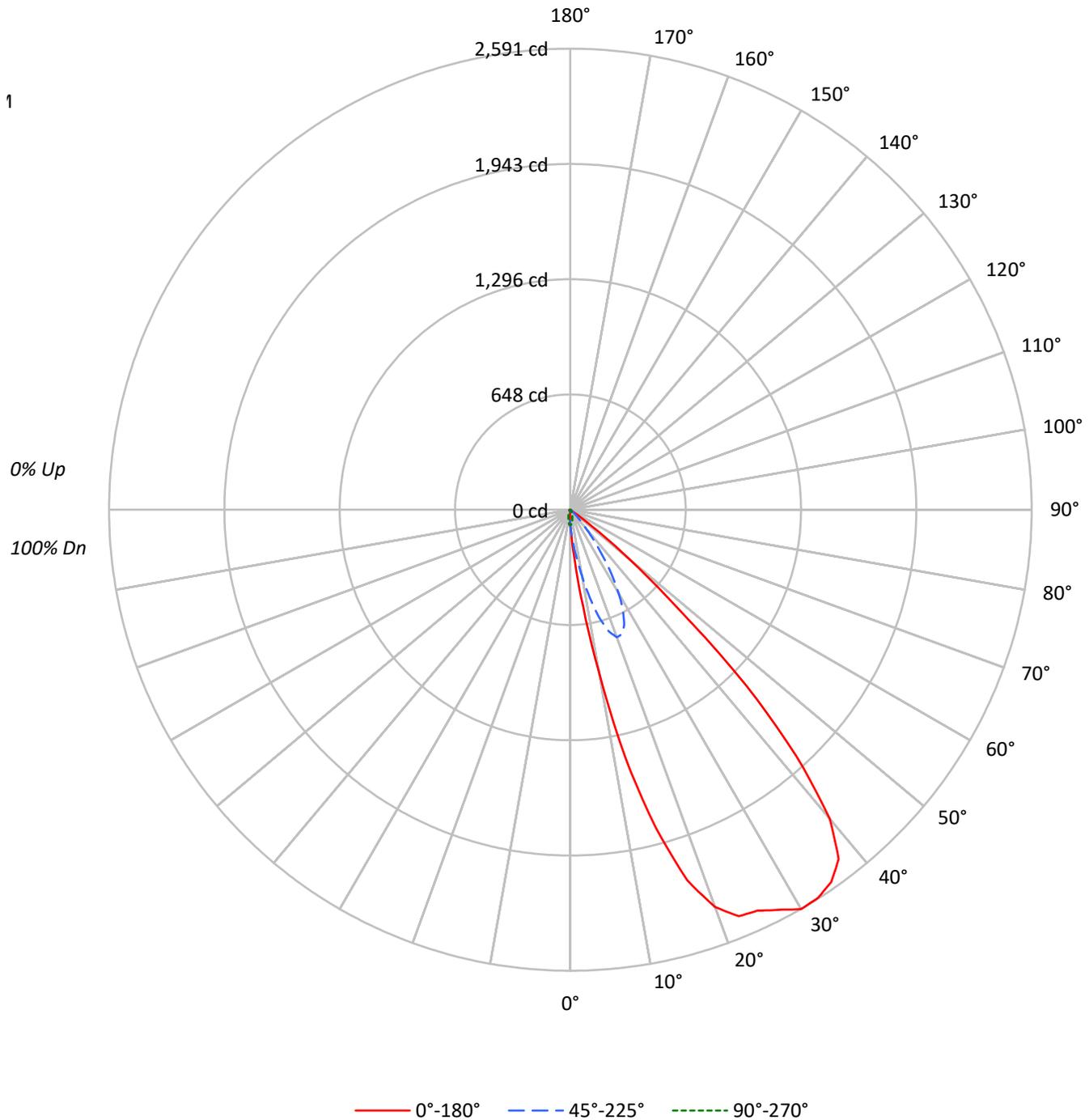
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 815.0 lumens
Efficiency: N/A
Efficacy: 73.4 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

TEST NUMBER: P1309089
CATALOG NUMBER: LDSQA3D09R359030DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1309089

CATALOG NUMBER: LDSQA3D09R359030DE010 3LSQCA30R 1MW

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	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°	14742	14742	14742	14742	14742
5°	50204	32640	13779	5826	4305
10°	161589	66139	10878	2169	1399
15°	329227	112185	7702	785	517
20°	435371	139711	4967	275	275
25°	472406	135831	2774	133	285
30°	515320	108243	1173	139	298
35°	536966	67363	315	147	315
40°	509556	29452	157	337	495
45°	340155	11764	170	536	901
50°	114085	1956	402	777	1179
55°	6366	210	450	1111	1531
60°	517	241	758	1274	1757
65°	611	285	897	1508	2078
70°	352	352	1108	1863	2216
75°	466	466	1464	1930	2462
80°	0	694	2182	2182	2182
85°	0	1383	4347	1383	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 340155 cd/sqm



TEST NUMBER: P1309089

CATALOG NUMBER: LDSQA3D09R359030DE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.9	1.8
10°-20°	117.0	14.4
20°-30°	247.1	30.3
30°-40°	280.3	34.4
40°-50°	138.0	16.9
50°-60°	12.0	1.5
60°-70°	2.4	0.3
70°-80°	2.3	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°	379.0	46.5
0°-40°	659.3	80.9
0°-60°	809.2	99.3
0°-90°	815.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	815.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	86	86	86	86	86	
5°	290	189	80	34	25	48
15°	1846	629	43	4	3	525
25°	2486	715	15	1	2	1157
35°	2554	320	2	1	2	1574
45°	1397	48	1	2	4	1032
55°	21	1	2	4	5	83
65°	2	1	2	4	5	1
75°	1	1	2	3	4	0
85°	0	1	2	1	2	0
90°	0	0	0	0	0	



TEST NUMBER: P1309089

CATALOG NUMBER: LDSQA3D09R359030DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6	85.6
2.5°	148.5	152.2	150.7	150.0	149.2	146.3	139.7	139.0	132.4	128.0	106.1
5°	290.4	284.6	286.1	278.0	267.8	253.1	243.6	223.1	206.3	188.8	123.6
7.5°	547.2	539.2	523.8	500.4	476.3	444.8	397.3	359.2	315.3	273.6	137.5
10°	924.0	919.6	899.9	839.9	787.2	703.1	624.1	540.6	458.7	378.2	147.1
12.5°	1427.3	1397.3	1361.5	1281.8	1177.9	1072.5	916.7	772.6	641.6	507.0	147.8
15°	1846.5	1827.5	1777.0	1673.2	1548.1	1395.9	1210.8	1016.9	819.4	629.2	140.5
17.5°	2183.8	2154.5	2089.4	1987.7	1843.6	1646.1	1429.5	1193.2	952.5	716.2	128.0
20°	2375.5	2360.1	2310.4	2208.7	2051.4	1835.6	1589.0	1313.9	1035.9	762.3	111.9
22.5°	2472.1	2461.1	2424.5	2343.3	2196.2	1979.0	1696.6	1376.9	1060.1	757.2	95.1
25°	2486.0	2483.0	2451.6	2390.1	2267.2	2052.1	1743.4	1388.6	1040.3	714.8	79.0
27.5°	2534.2	2524.0	2486.7	2425.2	2301.6	2064.6	1727.3	1348.3	976.7	640.1	65.8
30°	2591.3	2584.0	2546.7	2483.0	2336.7	2052.9	1670.2	1259.1	875.0	544.3	49.0
32.5°	2586.9	2584.0	2552.5	2485.2	2311.8	1984.1	1568.5	1125.2	736.7	429.4	30.7
35°	2554.0	2543.8	2504.3	2400.4	2169.9	1807.0	1375.4	943.8	583.1	320.4	19.8
37.5°	2475.0	2453.0	2386.5	2210.1	1916.0	1534.2	1120.1	728.7	412.6	214.4	12.4
40°	2266.5	2238.7	2104.8	1891.9	1583.9	1208.6	833.3	501.1	272.2	131.0	5.1
42.5°	1880.2	1823.9	1690.0	1471.2	1182.3	854.5	547.2	324.8	160.2	79.0	1.5
45°	1396.6	1353.5	1213.0	1014.7	774.8	548.0	331.4	175.6	88.5	48.3	0.7
47.5°	813.5	787.2	714.8	584.5	428.0	287.5	169.7	94.4	51.9	23.4	0.7
50°	425.8	392.9	338.0	256.1	188.8	132.4	82.7	50.5	25.6	7.3	0.7
52.5°	149.2	147.1	133.9	101.0	81.9	59.3	40.2	21.9	7.3	1.5	0.7
55°	21.2	21.2	19.8	21.9	23.4	21.2	13.9	5.9	1.5	0.7	0.7
57.5°	1.5	1.5	1.5	2.2	2.9	2.9	2.2	0.7	0.7	0.7	1.5
60°	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5
62.5°	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5
65°	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5
67.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5
70°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.2
72.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.2
75°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.2
77.5°	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	2.2
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1309089

CATALOG NUMBER: LDSQA3D09R359030DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	90°	112.5°	135°	157.5°	180°
0°	85.6	85.6	85.6	85.6	85.6
2.5°	84.9	68.0	54.1	47.6	45.4
5°	79.7	51.2	33.7	26.3	24.9
7.5°	71.0	36.6	20.5	14.6	13.9
10°	62.2	26.3	12.4	8.8	8.0
12.5°	51.9	18.3	8.0	5.1	4.4
15°	43.2	12.4	4.4	3.7	2.9
17.5°	34.4	8.0	2.9	2.2	2.9
20°	27.1	5.1	1.5	1.5	1.5
22.5°	20.5	2.9	1.5	1.5	1.5
25°	14.6	1.5	0.7	0.7	1.5
27.5°	10.2	0.7	0.7	0.7	1.5
30°	5.9	0.7	0.7	0.7	1.5
32.5°	2.9	0.7	0.7	1.5	1.5
35°	1.5	0.7	0.7	1.5	1.5
37.5°	0.7	0.7	0.7	1.5	2.2
40°	0.7	0.7	1.5	2.2	2.2
42.5°	0.7	0.7	1.5	2.2	2.9
45°	0.7	1.5	2.2	2.9	3.7
47.5°	1.5	1.5	2.9	3.7	4.4
50°	1.5	2.2	2.9	4.4	4.4
52.5°	1.5	2.2	3.7	4.4	5.1
55°	1.5	2.9	3.7	5.1	5.1
57.5°	2.2	2.9	3.7	5.1	5.1
60°	2.2	2.9	3.7	5.1	5.1
62.5°	2.2	2.9	3.7	5.1	5.1
65°	2.2	2.9	3.7	5.1	5.1
67.5°	2.2	2.9	3.7	4.4	5.1
70°	2.2	2.9	3.7	4.4	4.4
72.5°	2.9	2.9	3.7	4.4	4.4
75°	2.2	2.9	2.9	3.7	3.7
77.5°	2.2	2.2	2.2	2.9	2.9
80°	2.2	2.2	2.2	2.2	2.2
82.5°	2.2	1.5	1.5	2.2	2.2
85°	2.2	1.5	0.7	1.5	1.5
87.5°	1.5	1.5	0.7	0.7	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)