

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: P1307988

Luminaire Tested: LDSQA3D09R409027DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307988
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R409027DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

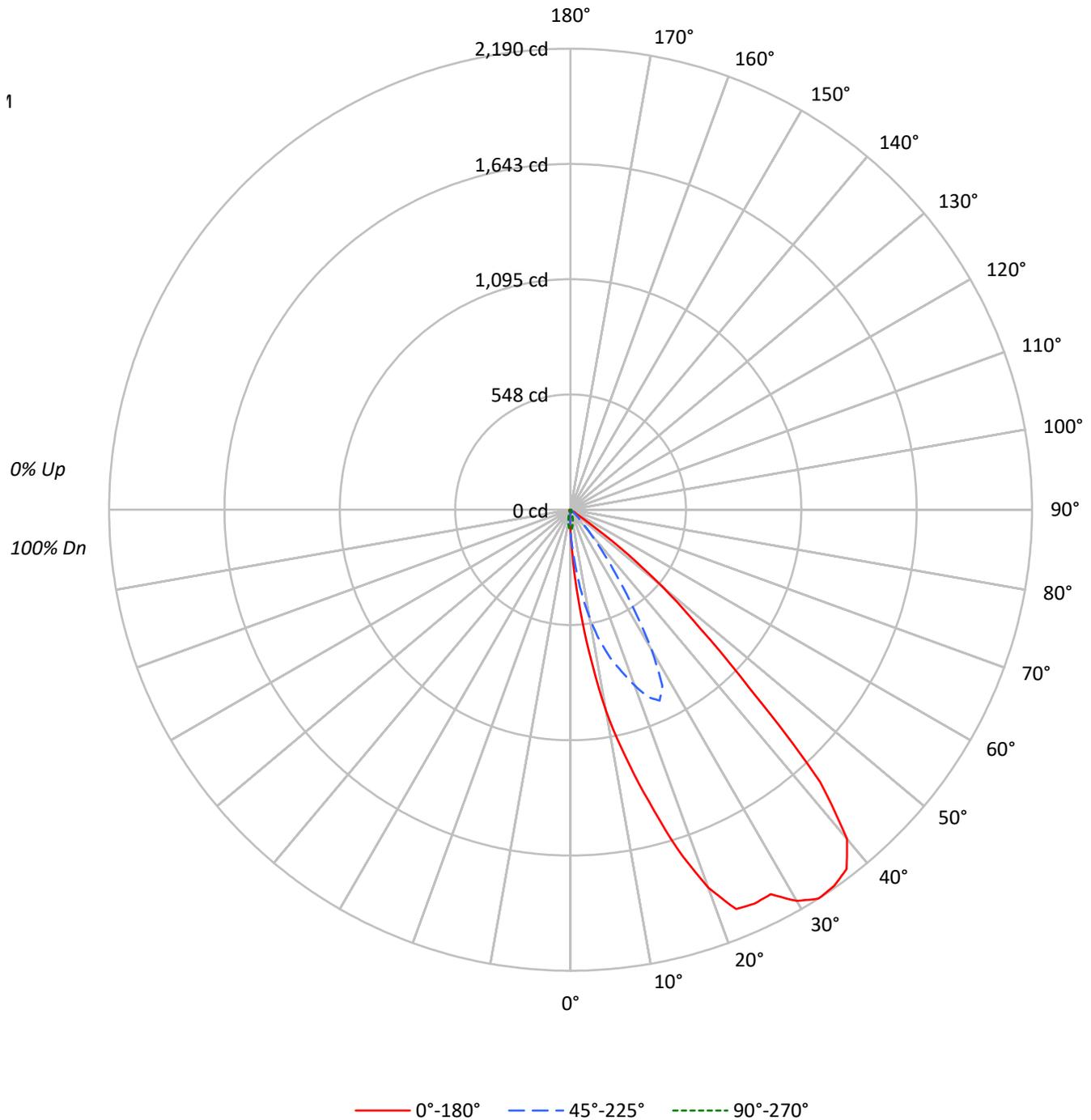
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 808.0 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
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
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			91
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			82
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			74
4	92	83	77	71	90	82	76	71	80	74	70	78	73	69	76	72	68	67			67
5	86	76	69	64	84	75	68	64	73	67	63	71	66	62	70	65	62	60			60
6	80	70	62	57	79	69	62	57	67	61	57	66	60	56	64	60	56	54			54
7	75	64	57	52	74	63	56	52	62	56	51	61	55	51	59	54	51	49			49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44			44
9	66	54	47	42	65	54	47	42	53	46	42	52	46	42	51	46	42	40			40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37			37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	16464	16464	16464	16464	16464
5°	74252	47335	14764	5670	4132
10°	170298	91479	10388	2029	1556
15°	255572	129801	6454	1088	981
20°	349946	162712	3757	623	751
25°	392291	190122	1938	513	646
30°	426706	153465	815	398	676
35°	458586	78548	294	568	862
40°	458747	31318	157	607	1079
45°	292905	10473	341	999	1486
50°	152051	1286	536	1286	1822
55°	13121	210	601	1651	2252
60°	482	241	689	1894	2583
65°	571	285	1100	1956	2771
70°	352	352	1360	2065	2769
75°	466	466	1331	2262	3194
80°	694	694	1984	1984	2678
85°	0	1383	3952	2766	2766

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 292905 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.6	2.3
10°-20°	109.4	13.5
20°-30°	239.5	29.6
30°-40°	272.9	33.8
40°-50°	144.0	17.8
50°-60°	17.0	2.1
60°-70°	3.1	0.4
70°-80°	2.5	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°	367.5	45.5
0°-40°	640.3	79.3
0°-60°	801.3	99.2
0°-90°	808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	808.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	96	96	96	96	96	
5°	430	274	85	33	24	58
15°	1433	728	36	6	6	422
25°	2064	1000	10	3	3	951
35°	2181	374	1	3	4	1352
45°	1203	43	1	4	6	970
55°	44	1	2	6	8	136
65°	1	1	3	5	7	1
75°	1	1	2	3	5	1
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°	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6	95.6
2.5°	213.1	213.1	212.4	206.2	205.6	204.9	193.9	191.2	178.2	169.4	129.1
5°	429.5	420.0	419.3	408.4	389.9	365.4	349.6	324.4	299.8	273.8	159.1
7.5°	684.3	692.5	669.9	658.3	617.3	588.0	542.9	503.3	448.0	396.1	183.7
10°	973.8	959.5	936.9	914.4	870.0	817.4	750.5	680.2	600.3	523.1	197.4
12.5°	1199.9	1181.4	1167.8	1137.0	1093.3	1025.7	945.8	851.6	745.7	634.4	196.7
15°	1433.4	1415.0	1384.3	1356.9	1292.1	1216.3	1129.5	1005.2	875.5	728.0	182.3
17.5°	1690.2	1666.3	1632.1	1590.5	1527.7	1443.7	1333.7	1182.1	998.4	804.5	156.4
20°	1909.4	1895.1	1860.9	1811.8	1750.3	1668.3	1541.3	1373.3	1149.3	887.8	124.3
22.5°	2052.8	2039.8	2016.6	1973.6	1927.2	1839.8	1723.7	1539.3	1275.7	963.6	94.2
25°	2064.4	2059.0	2052.8	2038.5	2010.5	1948.3	1835.0	1636.2	1354.2	1000.5	69.7
27.5°	2058.3	2056.2	2054.9	2047.4	2028.9	1967.5	1851.4	1650.6	1344.0	943.1	51.2
30°	2145.7	2139.5	2136.1	2111.5	2063.1	1968.1	1816.5	1573.4	1194.4	771.7	36.9
32.5°	2190.1	2188.7	2185.3	2161.4	2093.1	1969.5	1757.8	1387.0	947.2	557.3	25.3
35°	2181.2	2174.4	2162.1	2117.7	2022.8	1867.8	1568.0	1107.7	683.6	373.6	16.4
37.5°	2151.2	2135.5	2111.5	2031.6	1905.3	1693.6	1271.6	815.4	465.1	241.7	9.6
40°	2040.5	2019.4	1981.8	1884.1	1718.2	1395.9	940.4	551.1	305.3	139.3	2.7
42.5°	1754.4	1727.1	1699.8	1590.5	1400.6	1040.8	618.7	340.8	174.1	76.5	0.7
45°	1202.6	1168.5	1130.9	1051.7	899.4	630.3	368.1	191.9	90.1	43.0	0.7
47.5°	835.2	819.5	753.9	652.9	500.6	333.9	190.5	94.2	47.8	19.8	0.7
50°	567.5	549.7	473.3	375.6	266.3	159.8	87.4	47.1	21.2	4.8	0.7
52.5°	297.7	275.9	227.4	173.5	107.9	66.9	38.2	20.5	6.1	0.7	0.7
55°	43.7	40.3	32.8	26.6	23.9	18.4	10.9	4.8	0.7	0.7	1.4
57.5°	1.4	1.4	1.4	1.4	2.0	2.0	1.4	0.7	0.7	0.7	1.4
60°	1.4	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7	1.4
62.5°	1.4	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7	1.4
65°	1.4	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7	1.4
67.5°	1.4	1.4	1.4	1.4	0.7	0.7	0.7	0.7	0.7	1.4	2.0
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	1.4	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°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4	2.0
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	2.0
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°	95.6	95.6	95.6	95.6	95.6
2.5°	94.2	69.7	53.9	46.4	45.8
5°	85.4	49.9	32.8	25.3	23.9
7.5°	72.4	34.8	19.1	13.7	13.0
10°	59.4	23.9	11.6	9.6	8.9
12.5°	47.1	15.7	8.2	7.5	6.8
15°	36.2	10.2	6.1	5.5	5.5
17.5°	27.3	6.8	4.8	4.8	4.8
20°	20.5	4.8	3.4	4.1	4.1
22.5°	14.3	3.4	2.7	3.4	3.4
25°	10.2	2.7	2.7	3.4	3.4
27.5°	6.8	2.0	2.0	2.7	3.4
30°	4.1	1.4	2.0	2.7	3.4
32.5°	2.0	1.4	2.0	3.4	3.4
35°	1.4	2.0	2.7	3.4	4.1
37.5°	0.7	2.0	2.7	4.1	4.1
40°	0.7	2.0	2.7	4.1	4.8
42.5°	1.4	2.7	3.4	4.8	5.5
45°	1.4	2.7	4.1	5.5	6.1
47.5°	1.4	2.7	4.8	6.1	6.1
50°	2.0	3.4	4.8	6.1	6.8
52.5°	2.0	3.4	4.8	6.8	7.5
55°	2.0	3.4	5.5	6.8	7.5
57.5°	2.0	4.1	5.5	6.8	7.5
60°	2.0	3.4	5.5	6.8	7.5
62.5°	2.7	3.4	4.8	6.8	6.8
65°	2.7	3.4	4.8	6.8	6.8
67.5°	2.7	3.4	4.8	6.1	6.1
70°	2.7	3.4	4.1	5.5	5.5
72.5°	2.7	3.4	4.1	4.8	5.5
75°	2.0	2.7	3.4	4.1	4.8
77.5°	2.0	2.7	2.7	4.1	4.1
80°	2.0	2.0	2.0	2.7	2.7
82.5°	2.0	2.0	1.4	2.0	2.0
85°	2.0	1.4	1.4	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)