

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: P1315462

Luminaire Tested: LDSQA3D09R359735DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315462
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-51)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359735DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

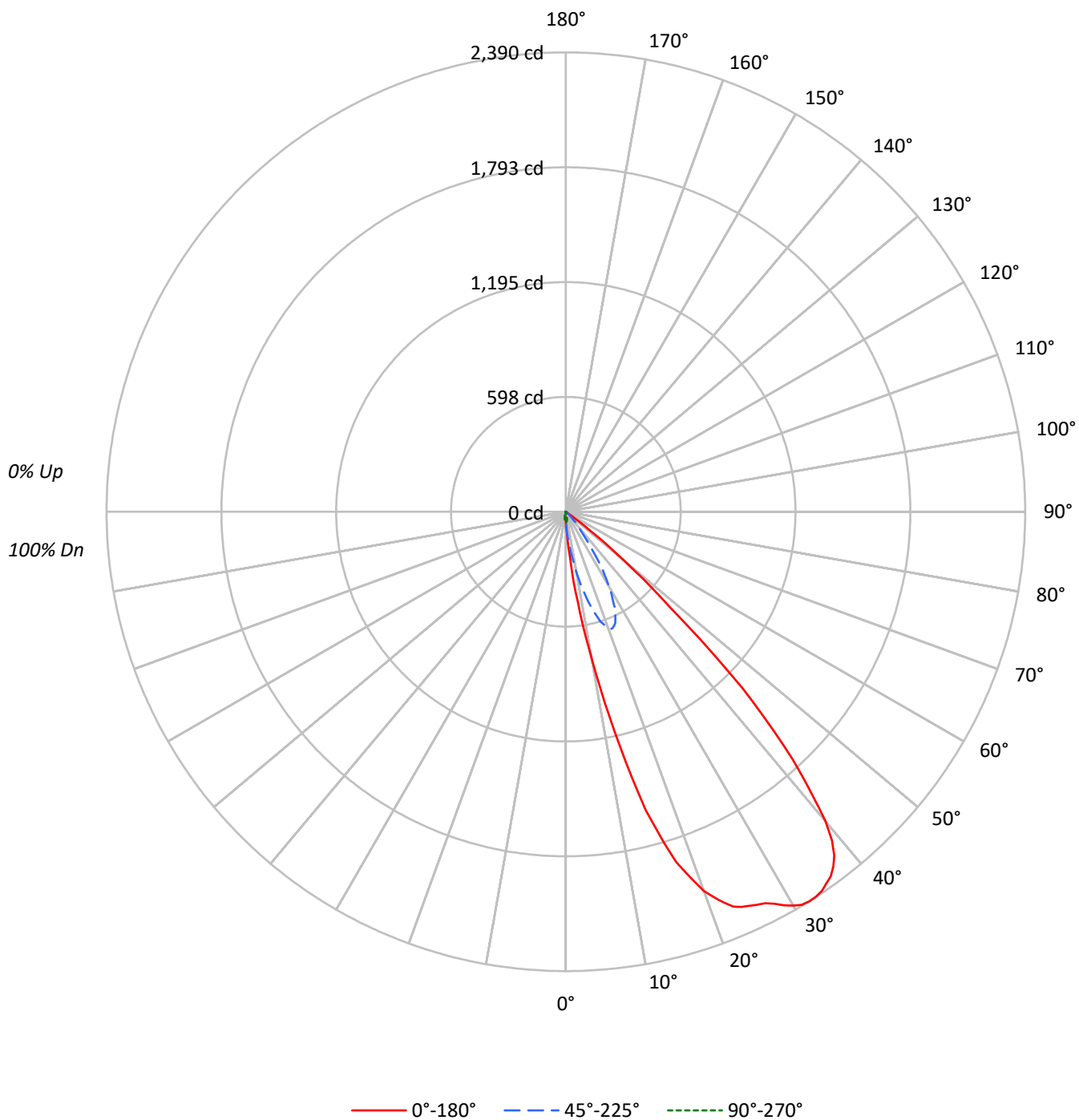
Lumens per Lamp: N/A
Luminaire Lumens: 714.0 lumens
Efficiency: N/A
Efficacy: 64.3 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.46 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1315462

CATALOG NUMBER: LDSQA3D09R359735DE010 3LSQCA30R 1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1315462

CATALOG NUMBER: LDSQA3D09R359735DE010 3LSQCA30R 1MB

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
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		
1	113	109	106	104	110	107	105	102	103	101	99	99	98	96	96	95	93	91		
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	85	83		
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75		
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67		
5	86	76	70	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	46	55	50	46	45		
9	66	54	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40		
10	62	50	43	39	61	50	43	39	49	43	39	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	9266	9266	9266	9266	9266
5°	40281	24964	8592	3060	2126
10°	135567	56346	6436	717	245
15°	286864	92430	4012	0	0
20°	384622	118103	1869	0	0
25°	429859	115973	380	0	0
30°	470576	88853	0	0	0
35°	496641	48398	0	0	0
40°	472123	21740	0	0	0
45°	316871	9621	0	0	0
50°	105859	911	0	0	0
55°	5735	0	0	0	0
60°	0	0	241	0	0
65°	0	0	571	0	0
70°	0	352	705	0	0
75°	0	466	932	0	0
80°	0	694	1389	0	0
85°	0	1383	2766	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 316871 cd/sqm

TEST NUMBER: P1315462

CATALOG NUMBER: LDSQA3D09R359735DE010 3LSQCA30R 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	1.6
10°-20°	99.1	13.9
20°-30°	217.4	30.4
30°-40°	251.4	35.2
40°-50°	124.1	17.4
50°-60°	9.2	1.3
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.5	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°	328.0	45.9
0°-40°	579.4	81.1
0°-60°	712.7	99.8
0°-90°	714.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	714.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	54	54	54	54	54	
5°	233	144	50	18	12	40
15°	1609	518	22	0	0	454
25°	2262	610	2	0	0	1046
35°	2362	230	0	0	0	1459
45°	1301	40	0	0	0	955
55°	19	0	0	0	0	78
65°	0	0	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1315462

CATALOG NUMBER: LDSQA3D09R359735DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
2.5°	106.9	109.7	108.3	108.3	107.6	104.2	98.1	96.0	88.6	70.2	54.5
5°	233.0	233.6	231.6	221.4	212.5	204.3	186.6	178.5	144.4	85.8	49.7
7.5°	472.7	462.5	449.6	435.3	403.9	375.3	337.9	298.3	223.4	99.4	44.3
10°	775.2	760.9	750.0	715.9	659.4	600.8	529.3	464.5	322.2	109.0	36.8
12.5°	1165.5	1157.3	1118.5	1050.3	966.6	882.1	757.4	654.6	421.6	111.0	30.0
15°	1608.9	1595.3	1536.0	1439.3	1325.5	1192.7	1025.8	852.8	518.4	104.9	22.5
17.5°	1912.0	1904.5	1853.4	1751.9	1621.1	1452.2	1254.7	1038.8	598.1	92.0	15.7
20°	2098.6	2087.7	2040.1	1954.2	1817.3	1640.9	1406.6	1157.3	644.4	75.6	10.2
21°	2147.0	2136.1	2098.0	2008.7	1877.9	1688.6	1448.1	1185.9	653.2	68.1	8.2
22°	2192.6	2181.7	2141.6	2062.5	1933.1	1735.6	1480.8	1207.7	651.9	62.0	6.1
23°	2230.8	2219.2	2179.7	2106.8	1976.7	1777.1	1505.4	1218.6	643.0	55.9	4.8
24°	2250.5	2243.7	2208.3	2139.5	2012.1	1806.4	1522.4	1222.7	632.1	49.7	3.4
25°	2262.1	2253.9	2219.2	2155.9	2035.3	1829.6	1533.3	1219.3	610.3	44.3	2.0
26°	2274.4	2262.1	2222.6	2161.3	2047.6	1840.5	1534.0	1210.4	587.2	39.5	0.7
27°	2285.3	2273.7	2232.8	2165.4	2049.6	1837.1	1528.5	1193.4	559.2	34.7	0.7
28°	2309.1	2296.2	2249.2	2174.2	2051.6	1828.2	1511.5	1170.2	522.4	30.7	0.0
29°	2340.5	2326.8	2273.0	2195.4	2056.4	1818.7	1488.3	1139.6	490.4	27.2	0.0
30°	2366.3	2354.1	2304.3	2221.9	2068.7	1809.8	1461.1	1098.0	446.8	23.2	0.0
31°	2385.4	2373.1	2327.5	2244.4	2079.6	1801.7	1427.0	1055.1	407.3	20.4	0.0
32°	2390.2	2380.0	2337.0	2253.9	2079.6	1789.4	1395.7	1006.7	368.5	17.0	0.0
33°	2388.1	2377.9	2334.3	2247.1	2061.2	1760.1	1357.5	948.8	324.2	15.0	0.0
34°	2380.6	2368.4	2322.1	2225.3	2025.1	1710.4	1302.4	891.0	277.9	12.3	0.0
35°	2362.2	2351.3	2300.9	2184.5	1969.2	1634.8	1228.8	824.2	230.2	10.2	0.0
36°	2344.5	2328.2	2266.2	2134.1	1895.7	1557.1	1140.9	747.2	189.4	8.2	0.0
37°	2311.8	2288.7	2226.0	2061.2	1791.4	1447.5	1040.8	662.8	158.7	6.1	0.0
38°	2268.2	2236.9	2157.2	1976.7	1686.5	1344.6	946.8	586.5	133.5	4.1	0.0
39°	2200.8	2164.0	2055.7	1860.9	1565.3	1225.4	839.2	505.4	113.8	2.7	0.0
40°	2100.0	2065.3	1945.4	1723.3	1444.7	1093.9	728.8	414.1	96.7	1.4	0.0
42.5°	1748.5	1700.8	1561.9	1341.2	1068.1	786.7	482.3	230.2	64.0	0.0	0.0
45°	1301.0	1258.8	1122.5	921.6	711.8	481.6	258.2	135.5	39.5	0.0	0.0
47.5°	735.0	730.2	641.6	529.3	397.1	256.1	130.8	81.7	17.0	0.0	0.0
50°	395.1	370.5	319.5	242.5	165.5	111.7	70.8	45.0	3.4	0.0	0.0
52.5°	144.4	139.6	117.2	97.4	74.9	51.1	36.1	19.8	0.0	0.0	0.0
55°	19.1	17.7	18.4	19.8	20.4	17.7	11.6	4.1	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.7	1.4	1.4	1.4	0.0	0.0	0.0	0.7
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4



TEST NUMBER: P1315462

CATALOG NUMBER: LDSQA3D09R359735DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	1.4	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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CATALOG NUMBER: LDSQA3D09R359735DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
0°	53.8	53.8	53.8	53.8
2.5°	41.6	32.0	27.2	26.6
5°	28.6	17.7	12.9	12.3
7.5°	19.8	8.9	6.1	5.4
10°	11.6	4.1	2.0	1.4
12.5°	6.8	0.7	0.0	0.0
15°	2.0	0.0	0.0	0.0
17.5°	0.0	0.0	0.0	0.0
20°	0.0	0.0	0.0	0.0
21°	0.0	0.0	0.0	0.0
22°	0.0	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.7	0.0	0.0	0.0
67.5°	0.7	0.0	0.0	0.0
70°	0.7	0.0	0.0	0.0
72.5°	0.7	0.0	0.0	0.0
75°	0.7	0.0	0.0	0.0
77.5°	0.7	0.0	0.0	0.0
80°	0.7	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.7	0.0	0.0	0.0
85°	0.7	0.0	0.0	0.0
87.5°	0.7	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)