

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: P1316260

Luminaire Tested: LDSQA3D05R309740DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

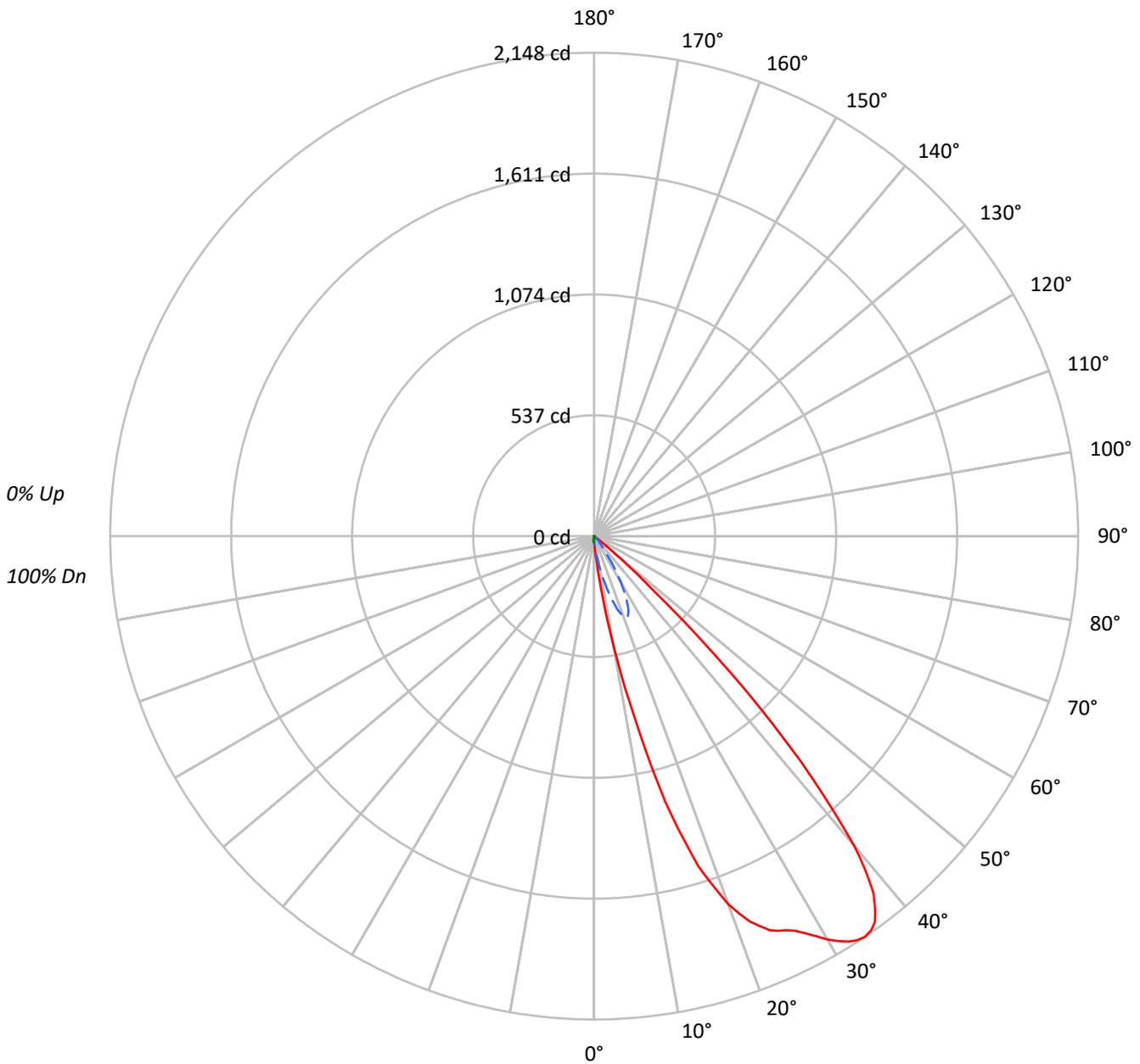
Test Method: LM-79-2019  
Report Number: P1316260  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-50)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R309740DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 517.0 lumens  
Efficiency: N/A  
Efficacy: 71.8 lumens/watt  
Spacing Criteria (0/90/45): 2.41 / 0.46 / 1.21  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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



— 0°-180°    - - - 45°-225°    ····· 90°-270°



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**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	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	93	96	95	93	92
2	106	100	96	92	104	98	94	91	95	92	89	92	89	87	89	87	85	89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	83	80	77	75
4	93	84	78	73	91	83	77	72	81	75	71	78	74	70	76	73	69	76	73	69	68
5	87	77	70	65	85	76	70	65	74	68	64	72	67	63	71	66	63	71	66	63	61
6	81	71	64	58	80	70	63	58	68	62	58	67	61	57	65	61	57	65	61	57	55
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	60	55	52	50
8	71	60	53	48	70	59	52	48	58	52	47	57	51	47	56	51	47	56	51	47	45
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	51	46	43	41
10	62	51	44	39	61	50	44	39	49	43	39	48	43	39	48	43	39	48	43	39	37

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	4771	4771	4771	4771	4771
5°	17271	10736	4357	1763	1262
10°	85534	25707	3393	332	0
15°	218165	48961	2157	0	0
20°	318789	69626	898	0	0
25°	367778	68315	190	0	0
30°	411612	46893	0	0	0
35°	450156	20205	0	0	0
40°	404025	7846	0	0	0
45°	206319	3191	0	0	0
50°	31857	402	0	0	0
55°	1892	0	150	0	0
60°	0	0	172	0	0
65°	0	0	408	0	0
70°	0	252	504	0	0
75°	0	333	998	0	0
80°	0	496	1488	0	0
85°	0	988	2964	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 206319 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.8	1.1
10°-20°	68.9	13.3
20°-30°	170.2	32.9
30°-40°	195.8	37.9
40°-50°	72.6	14.0
50°-60°	2.6	0.5
60°-70°	0.3	0.1
70°-80°	0.4	0.1
80°-90°	0.4	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°	244.9	47.4
0°-40°	440.7	85.2
0°-60°	515.9	99.8
0°-90°	517.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	517.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	28	28	28	28	28	
5°	100	62	25	10	7	22
15°	1224	275	12	0	0	352
25°	1935	360	1	0	0	894
35°	2141	96	0	0	0	1298
45°	847	13	0	0	0	660
55°	6	0	0	0	0	22
65°	0	0	1	0	0	0
75°	0	0	2	0	0	0
85°	0	0	2	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
0°	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7	27.7
2.5°	49.0	49.5	49.5	48.0	47.5	47.1	45.6	41.2	34.4	27.7	22.3
5°	99.9	100.4	100.4	97.5	91.7	85.9	81.0	62.1	39.8	25.2	16.5
7.5°	235.8	236.3	226.1	214.4	191.2	179.0	156.7	95.6	45.1	22.8	10.7
10°	489.1	478.4	451.7	417.7	381.8	335.3	288.2	147.0	49.0	19.4	6.8
12.5°	817.5	807.3	772.9	724.4	654.0	562.8	473.5	206.7	49.5	15.5	3.9
15°	1223.6	1195.0	1153.7	1073.2	969.4	828.2	680.7	274.6	47.5	12.1	1.0
17.5°	1538.5	1512.3	1459.9	1365.8	1236.7	1080.0	899.0	339.1	42.2	7.8	0.0
20°	1739.4	1711.7	1662.7	1579.7	1442.4	1258.5	1051.4	379.9	34.9	4.9	0.0
21°	1796.6	1769.9	1721.9	1639.4	1502.6	1319.2	1088.7	388.6	31.5	3.9	0.0
22°	1847.1	1826.2	1781.6	1691.8	1552.6	1363.8	1126.6	389.6	29.1	2.9	0.0
23°	1882.5	1867.4	1822.8	1740.3	1601.6	1400.2	1147.0	383.8	26.2	1.9	0.0
24°	1916.4	1898.0	1859.7	1783.0	1640.4	1430.8	1165.4	373.1	23.3	1.5	0.0
25°	1935.4	1914.0	1884.4	1812.6	1672.4	1450.2	1176.6	359.5	20.4	1.0	0.0
26°	1948.5	1932.0	1899.5	1830.1	1686.0	1462.8	1178.0	339.6	18.4	0.5	0.0
27°	1968.4	1951.9	1920.3	1845.6	1691.8	1460.9	1169.3	316.8	16.0	0.0	0.0
28°	1998.4	1976.6	1945.1	1862.1	1694.2	1452.6	1149.9	292.1	13.6	0.0	0.0
29°	2032.9	2010.6	1976.1	1883.9	1694.7	1436.1	1119.3	264.9	12.1	0.0	0.0
30°	2069.8	2050.4	2015.4	1905.3	1700.1	1414.8	1083.9	235.8	9.7	0.0	0.0
31°	2098.9	2081.4	2044.0	1924.7	1704.4	1396.3	1040.2	206.7	8.2	0.0	0.0
32°	2124.1	2108.6	2062.5	1929.1	1695.7	1370.1	993.6	178.5	6.8	0.0	0.0
33°	2141.6	2122.2	2068.3	1917.9	1670.5	1327.0	941.7	151.9	5.3	0.0	0.0
34°	2147.9	2124.6	2059.6	1888.8	1619.5	1261.5	874.3	124.2	4.4	0.0	0.0
35°	2141.1	2112.5	2028.0	1838.8	1550.6	1183.3	793.3	96.1	3.4	0.0	0.0
36°	2119.3	2082.9	1982.9	1767.5	1452.1	1091.2	712.2	74.7	2.4	0.0	0.0
37°	2072.2	2031.9	1905.8	1673.4	1354.6	985.4	620.1	58.2	1.5	0.0	0.0
38°	2014.5	1956.2	1802.9	1554.5	1228.5	866.5	528.8	48.0	1.0	0.0	0.0
39°	1916.0	1851.9	1680.7	1417.7	1104.7	753.5	440.1	41.7	0.5	0.0	0.0
40°	1797.1	1720.9	1540.9	1271.2	958.7	635.1	367.3	34.9	0.5	0.0	0.0
42.5°	1355.6	1291.1	1097.5	864.6	586.1	374.6	203.8	22.8	0.0	0.0	0.0
45°	847.1	779.7	648.7	474.0	317.3	194.1	98.0	13.1	0.0	0.0	0.0
47.5°	345.9	317.3	261.0	200.9	143.6	91.2	40.8	5.8	0.0	0.0	0.0
50°	118.9	105.8	88.8	65.0	46.1	31.5	21.3	1.5	0.0	0.0	0.0
52.5°	34.4	34.9	30.6	26.2	20.4	14.6	10.7	0.0	0.0	0.0	0.0
55°	6.3	5.3	6.3	5.8	6.3	5.3	3.9	0.0	0.0	0.5	0.0
57.5°	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.0	0.5	0.5	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	0.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0	0.5
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.0	0.5
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	0.5
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	0.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	0.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	0.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	25°	30°	45°	67.5°	90°	112.5°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	0.5
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):**

	135°	157.5°	180°
0°	27.7	27.7	27.7
2.5°	18.0	16.0	15.0
5°	10.2	7.8	7.3
7.5°	5.3	3.4	2.9
10°	1.9	0.5	0.0
12.5°	0.0	0.0	0.0
15°	0.0	0.0	0.0
17.5°	0.0	0.0	0.0
20°	0.0	0.0	0.0
21°	0.0	0.0	0.0
22°	0.0	0.0	0.0
23°	0.0	0.0	0.0
24°	0.0	0.0	0.0
25°	0.0	0.0	0.0
26°	0.0	0.0	0.0
27°	0.0	0.0	0.0
28°	0.0	0.0	0.0
29°	0.0	0.0	0.0
30°	0.0	0.0	0.0
31°	0.0	0.0	0.0
32°	0.0	0.0	0.0
33°	0.0	0.0	0.0
34°	0.0	0.0	0.0
35°	0.0	0.0	0.0
36°	0.0	0.0	0.0
37°	0.0	0.0	0.0
38°	0.0	0.0	0.0
39°	0.0	0.0	0.0
40°	0.0	0.0	0.0
42.5°	0.0	0.0	0.0
45°	0.0	0.0	0.0
47.5°	0.0	0.0	0.0
50°	0.0	0.0	0.0
52.5°	0.0	0.0	0.0
55°	0.0	0.0	0.0
57.5°	0.0	0.0	0.0
60°	0.0	0.0	0.0
62.5°	0.0	0.0	0.0
65°	0.0	0.0	0.0
67.5°	0.0	0.0	0.0
70°	0.0	0.0	0.0
72.5°	0.0	0.0	0.0
75°	0.0	0.0	0.0
77.5°	0.0	0.0	0.0
80°	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

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

(END OF REPORT)