

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: P1314841

Luminaire Tested: LDSQA3D17R509730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314841
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-65)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R509730DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

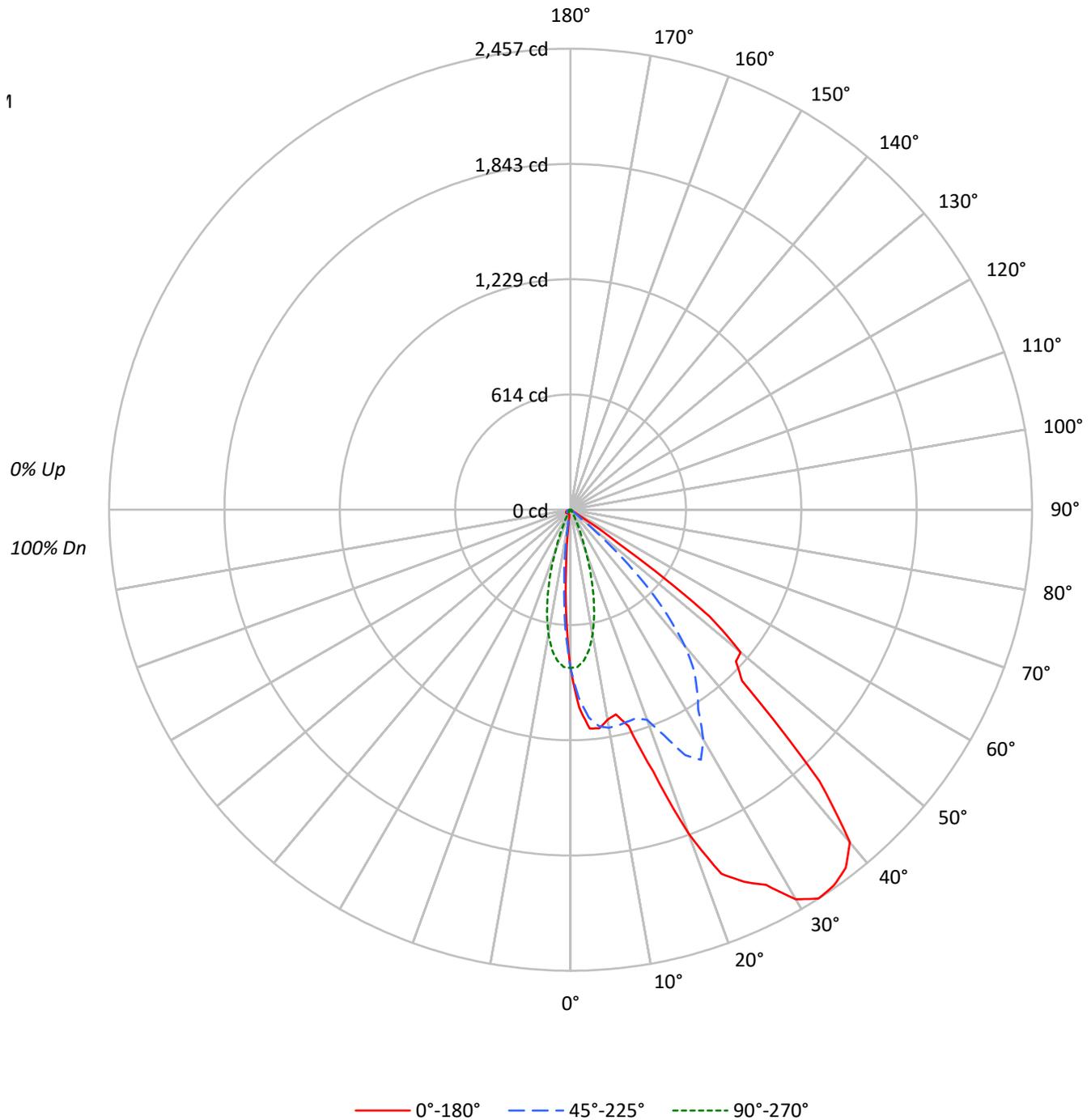
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1311.0 lumens
Efficiency: N/A
Efficacy: 61.8 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.54 / 1.2
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	107	104	101	102	100	98	99	97	95	95	94	93	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	76	81	77	74	73
4	91	82	75	70	89	81	74	69	78	73	68	76	71	68	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	68	61	56	78	68	61	55	66	60	55	64	59	55	63	58	54	53
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	69	58	50	45	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	53	46	41	64	53	46	41	52	46	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	37	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	145166	145166	145166	145166	145166
5°	202408	192018	139532	67060	43514
10°	198681	206358	117921	14130	6051
15°	213066	208537	83372	4939	4743
20°	336457	218391	44023	4234	4435
25°	415778	274265	17558	3953	4390
30°	476681	281275	7119	3898	4594
35°	513902	246870	3154	4121	5088
40°	520190	212590	2338	4676	5710
45°	314387	137806	2241	5066	6479
50°	316775	23819	2465	5868	7422
55°	93591	1381	2762	6576	8317
60°	1584	1584	2790	7164	9162
65°	1426	1426	2812	7539	9862
70°	1762	1762	2921	8157	11028
75°	1530	1530	3061	8451	11512
80°	1190	2281	3471	8034	12596
85°	2371	4545	4545	9090	11461

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 20°
 Vertical Angle: 45°
 Luminance: 359104 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.2	5.2
10°-20°	169.2	12.9
20°-30°	317.0	24.2
30°-40°	379.1	28.9
40°-50°	271.6	20.7
50°-60°	83.7	6.4
60°-70°	10.9	0.8
70°-80°	8.0	0.6
80°-90°	3.3	0.2
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°	554.4	42.3
0°-40°	933.5	71.2
0°-60°	1288.9	98.3
0°-90°	1311.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1311.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	843	843	843	843	843	
5°	1171	1111	807	388	252	109
15°	1195	1170	468	28	27	383
25°	2188	1443	92	21	23	1008
35°	2444	1174	15	20	24	1516
45°	1291	566	9	21	27	1186
55°	312	5	9	22	28	401
65°	4	4	7	18	24	4
75°	2	2	5	13	17	2
85°	1	2	2	5	6	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	842.9	842.9	842.9	842.9	842.9	842.9	842.9	842.9	842.9	842.9	842.9
2.5°	1054.2	1056.5	1059.9	1050.7	1044.9	1040.3	1032.2	1029.9	1010.3	1002.2	994.1
5°	1170.8	1168.5	1170.8	1167.3	1165.0	1158.1	1151.1	1139.6	1126.9	1110.7	1092.3
7.5°	1174.2	1171.9	1176.5	1176.5	1181.2	1181.2	1181.2	1182.3	1175.4	1163.8	1147.7
10°	1136.1	1136.1	1140.7	1138.4	1146.5	1150.0	1158.1	1171.9	1178.9	1180.0	1175.4
12.5°	1116.5	1116.5	1117.7	1113.0	1115.3	1118.8	1128.0	1144.2	1160.4	1176.5	1185.8
15°	1195.0	1197.3	1181.2	1158.1	1140.7	1122.3	1116.5	1126.9	1144.2	1169.6	1190.4
17.5°	1461.7	1465.2	1447.9	1392.5	1339.3	1263.1	1195.0	1161.5	1143.1	1163.8	1191.6
20°	1835.8	1823.1	1793.1	1734.2	1656.9	1539.1	1432.9	1325.5	1222.7	1191.6	1200.8
22.5°	2100.2	2095.6	2071.4	2005.5	1938.6	1828.9	1693.8	1543.7	1394.8	1300.1	1250.4
25°	2188.0	2184.5	2162.6	2123.3	2086.4	2003.2	1882.0	1730.8	1574.9	1443.3	1318.6
27.5°	2253.8	2249.2	2214.5	2170.7	2132.6	2048.3	1937.4	1823.1	1679.9	1502.1	1310.5
30°	2397.0	2384.3	2335.8	2257.3	2184.5	2067.9	1945.5	1803.5	1609.5	1414.4	1227.3
32.5°	2457.0	2450.1	2408.5	2345.0	2265.3	2112.9	1927.0	1689.2	1434.0	1265.4	1129.2
35°	2444.3	2433.9	2391.2	2318.4	2221.5	2074.8	1826.6	1499.8	1292.0	1174.2	1020.7
37.5°	2406.2	2391.2	2340.4	2254.9	2137.2	1945.5	1621.1	1346.3	1212.3	1079.6	872.9
40°	2313.8	2289.6	2230.7	2141.8	2024.0	1772.3	1434.0	1253.9	1129.2	945.6	707.8
42.5°	1960.5	1947.8	1976.7	1961.7	1857.8	1561.0	1301.2	1169.6	997.6	764.3	512.6
45°	1290.8	1312.8	1364.7	1453.6	1474.4	1342.8	1192.7	1031.1	820.9	565.8	295.6
47.5°	1195.0	1190.4	1203.1	1220.4	1223.9	1168.5	1032.2	852.1	609.6	323.3	82.0
50°	1182.3	1175.4	1165.0	1144.2	1100.3	993.0	838.2	621.2	352.2	88.9	5.8
52.5°	934.1	927.1	927.1	897.1	840.6	736.6	578.5	341.8	98.1	5.8	4.6
55°	311.7	332.5	329.1	327.9	353.3	325.6	249.4	87.7	8.1	4.6	4.6
57.5°	5.8	5.8	5.8	10.4	16.2	23.1	13.9	6.9	4.6	4.6	4.6
60°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
62.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
65°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.6
67.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
70°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
72.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.5	3.5	3.5
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.5
77.5°	1.2	1.2	1.2	1.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3	2.3
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	2.3
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2
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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	842.9	842.9	842.9	842.9	842.9	842.9	842.9	842.9
2.5°	975.6	959.5	928.3	839.4	741.3	629.3	553.1	543.8
5°	1063.4	1039.1	988.3	807.1	583.1	387.9	288.7	251.7
7.5°	1121.1	1088.8	1026.4	754.0	424.9	204.4	109.7	87.7
10°	1155.8	1125.7	1046.1	674.3	270.2	80.8	36.9	34.6
12.5°	1174.2	1145.4	1053.0	578.5	152.4	36.9	28.9	28.9
15°	1186.9	1155.8	1042.6	467.6	76.2	27.7	26.6	26.6
17.5°	1192.7	1154.6	1012.6	352.2	40.4	25.4	25.4	25.4
20°	1196.2	1141.9	957.2	240.2	27.7	23.1	24.2	24.2
22.5°	1199.6	1110.7	884.4	152.4	21.9	21.9	23.1	23.1
25°	1192.7	1056.5	781.7	92.4	19.6	20.8	21.9	23.1
27.5°	1143.1	974.5	657.0	56.6	17.3	19.6	21.9	23.1
30°	1057.6	854.4	512.6	35.8	16.2	19.6	21.9	23.1
32.5°	946.8	717.0	366.0	21.9	16.2	19.6	21.9	23.1
35°	797.8	548.4	237.8	15.0	16.2	19.6	23.1	24.2
37.5°	630.4	383.3	128.2	11.5	16.2	19.6	23.1	24.2
40°	453.8	229.8	46.2	10.4	15.0	20.8	24.2	25.4
42.5°	265.6	85.4	8.1	9.2	15.0	20.8	24.2	25.4
45°	76.2	9.2	4.6	9.2	15.0	20.8	25.4	26.6
47.5°	5.8	3.5	4.6	9.2	15.0	20.8	25.4	27.7
50°	3.5	3.5	3.5	9.2	15.0	21.9	26.6	27.7
52.5°	4.6	4.6	4.6	9.2	15.0	21.9	26.6	27.7
55°	4.6	4.6	4.6	9.2	15.0	21.9	26.6	27.7
57.5°	4.6	4.6	4.6	9.2	15.0	20.8	26.6	27.7
60°	4.6	4.6	4.6	8.1	13.9	20.8	25.4	26.6
62.5°	4.6	4.6	4.6	8.1	13.9	19.6	25.4	25.4
65°	4.6	4.6	4.6	6.9	12.7	18.5	23.1	24.2
67.5°	4.6	4.6	4.6	6.9	11.5	17.3	21.9	23.1
70°	3.5	4.6	4.6	5.8	10.4	16.2	20.8	21.9
72.5°	3.5	3.5	4.6	5.8	9.2	13.9	18.5	19.6
75°	3.5	3.5	3.5	4.6	8.1	12.7	16.2	17.3
77.5°	3.5	3.5	3.5	4.6	6.9	10.4	15.0	15.0
80°	2.3	3.5	3.5	3.5	5.8	8.1	11.5	12.7
82.5°	2.3	2.3	2.3	3.5	4.6	6.9	9.2	9.2
85°	2.3	2.3	2.3	2.3	3.5	4.6	5.8	5.8
87.5°	1.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)