

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: P1309474

Luminaire Tested: LDSQA3D17R659030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309474
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R659030DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

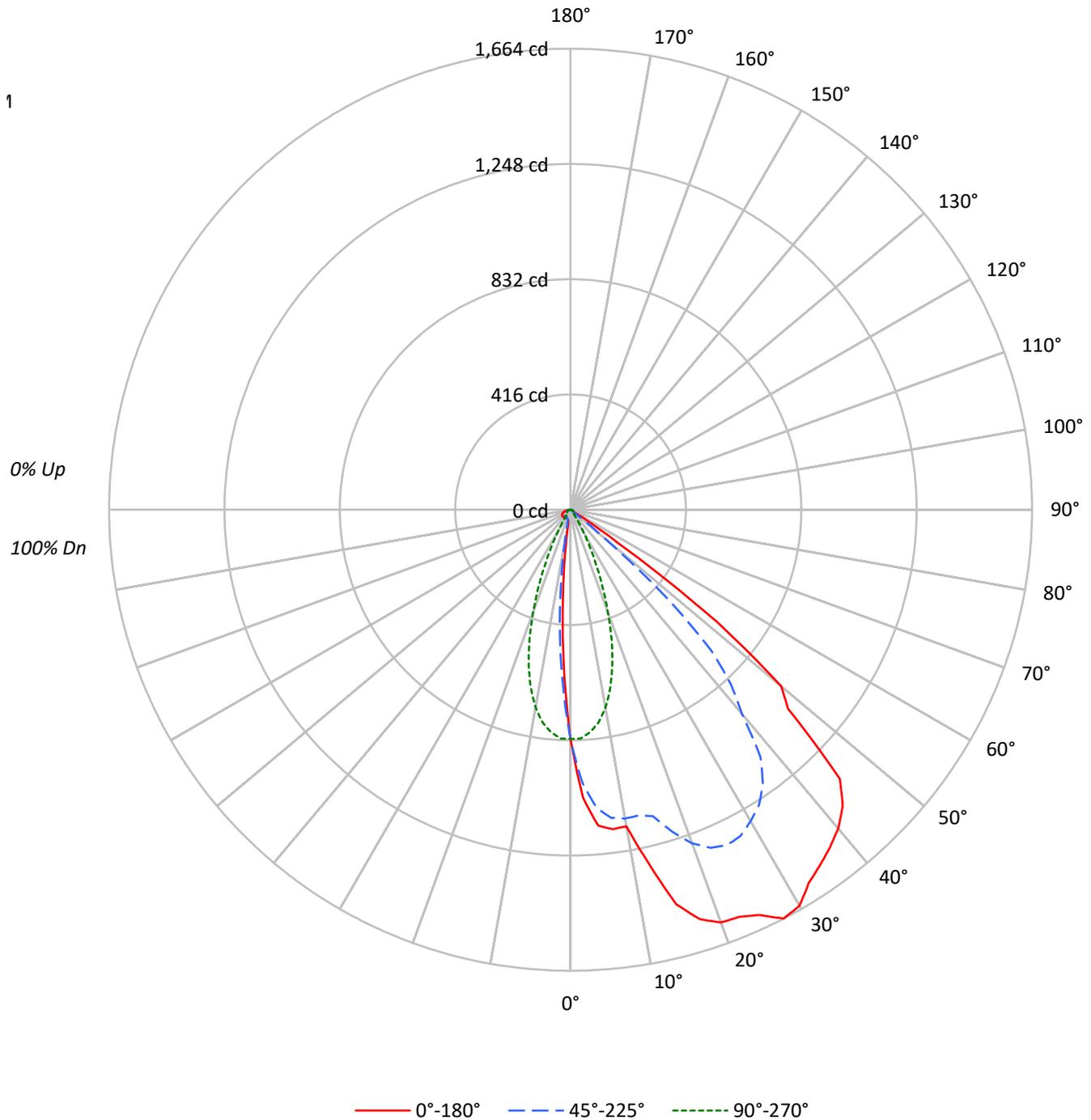
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1239.0 lumens
Efficiency: N/A
Efficacy: 58.4 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
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 (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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90	90	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	81	81	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	72	72	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65	65	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58	58	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53	53	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48	48	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43	43	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40	40	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36	36	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	142359	142359	142359	142359	142359
5°	197896	186763	139342	76569	53870
10°	202878	197929	126770	21388	7887
15°	262865	204098	103769	6882	6651
20°	290492	234794	72211	6140	6378
25°	306570	253724	40856	5872	6366
30°	328267	258108	18435	5886	6662
35°	329454	254186	5950	6223	7317
40°	337523	215940	4047	6655	8116
45°	334310	174048	4067	7209	8793
50°	265278	41047	4153	7931	9994
55°	63025	2312	4264	8888	11200
60°	2204	2652	4891	9300	11987
65°	2608	2608	4727	9984	13122
70°	1964	2618	4532	9718	13596
75°	1730	2595	4259	10314	13708
80°	1289	2579	5157	10215	14083
85°	2569	5138	5138	10275	12647

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 334919 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	5.6
10°-20°	181.7	14.7
20°-30°	285.4	23.0
30°-40°	326.5	26.3
40°-50°	262.4	21.2
50°-60°	85.4	6.9
60°-70°	15.2	1.2
70°-80°	10.0	0.8
80°-90°	3.6	0.3
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°	536.0	43.3
0°-40°	862.5	69.6
0°-60°	1210.3	97.7
0°-90°	1239.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1239.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	827	827	827	827	827	
5°	1145	1080	806	443	312	108
15°	1474	1145	582	39	37	411
25°	1613	1335	215	31	34	752
35°	1567	1209	28	30	35	984
45°	1373	715	17	30	36	988
55°	210	8	14	30	37	300
65°	6	6	12	24	32	6
75°	3	4	6	16	21	3
85°	1	3	3	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°	826.6	826.6	826.6	826.6	826.6	826.6	826.6	826.6	826.6	826.6	826.6
2.5°	1040.4	1036.5	1041.6	1032.6	1031.3	1022.3	1017.2	1014.6	1003.0	987.6	973.4
5°	1144.7	1129.2	1133.1	1131.8	1125.3	1121.5	1116.3	1109.9	1094.4	1080.3	1062.2
7.5°	1162.7	1149.8	1152.4	1153.7	1149.8	1148.5	1147.2	1144.7	1134.4	1121.5	1106.0
10°	1160.1	1147.2	1145.9	1142.1	1138.2	1139.5	1139.5	1139.5	1136.9	1131.8	1126.6
12.5°	1309.5	1291.4	1287.6	1260.5	1236.1	1193.6	1166.5	1140.8	1129.2	1130.5	1126.6
15°	1474.3	1473.0	1460.1	1434.4	1393.2	1354.5	1292.7	1246.4	1187.1	1144.7	1126.6
17.5°	1549.0	1547.7	1536.1	1514.2	1484.6	1448.5	1403.5	1349.4	1283.7	1218.0	1164.0
20°	1585.0	1594.0	1581.1	1563.1	1534.8	1501.3	1458.8	1409.9	1348.1	1281.1	1216.8
22.5°	1590.2	1601.7	1590.2	1577.3	1556.7	1534.8	1498.7	1448.5	1385.4	1321.0	1258.0
25°	1613.3	1617.2	1592.7	1576.0	1556.7	1541.2	1512.9	1469.1	1404.7	1335.2	1273.4
27.5°	1663.5	1646.8	1595.3	1572.1	1554.1	1539.9	1512.9	1467.8	1398.3	1327.5	1263.1
30°	1650.7	1644.2	1599.2	1577.3	1561.8	1547.7	1514.2	1456.2	1372.6	1297.9	1230.9
32.5°	1597.9	1610.8	1595.3	1587.6	1579.9	1561.8	1512.9	1434.4	1340.4	1264.4	1174.3
35°	1567.0	1582.4	1583.7	1583.7	1574.7	1547.7	1489.7	1402.2	1308.2	1209.0	1088.0
37.5°	1536.1	1549.0	1556.7	1561.8	1549.0	1510.3	1436.9	1358.4	1255.4	1125.3	912.9
40°	1501.3	1510.3	1516.8	1519.3	1500.0	1449.8	1382.9	1294.0	1178.1	960.5	815.0
42.5°	1452.4	1457.5	1456.2	1455.0	1434.4	1379.0	1315.9	1223.2	994.0	856.2	679.8
45°	1372.6	1367.4	1375.1	1375.1	1348.1	1306.9	1223.2	1042.9	889.7	714.6	437.8
47.5°	1063.5	1067.4	1104.7	1165.3	1202.6	1191.0	1077.7	912.9	748.1	468.7	145.5
50°	990.1	986.3	987.6	994.0	997.9	965.7	884.6	771.3	494.4	153.2	10.3
52.5°	664.4	668.3	697.9	766.1	788.0	764.8	687.6	515.0	180.3	10.3	9.0
55°	209.9	224.0	240.8	276.8	339.9	379.8	372.1	182.8	11.6	7.7	9.0
57.5°	7.7	7.7	10.3	18.0	34.8	56.7	59.2	11.6	9.0	9.0	9.0
60°	6.4	6.4	6.4	6.4	6.4	6.4	7.7	7.7	7.7	7.7	7.7
62.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	7.7	7.7	7.7	7.7
65°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	7.7
67.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	6.4	6.4	6.4	6.4
70°	3.9	3.9	3.9	5.2	5.2	5.2	5.2	5.2	5.2	5.2	6.4
72.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.2	5.2	5.2
75°	2.6	2.6	2.6	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
77.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9	3.9	3.9
80°	1.3	1.3	1.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.9
82.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6	2.6
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.6	2.6
87.5°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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°	826.6	826.6	826.6	826.6	826.6	826.6	826.6	826.6
2.5°	965.7	950.2	919.3	826.6	730.1	633.5	573.0	557.5
5°	1041.6	1023.6	979.8	806.0	610.3	442.9	347.6	311.6
7.5°	1088.0	1066.1	1014.6	773.8	475.1	257.5	154.5	123.6
10°	1108.6	1089.3	1031.3	724.9	343.8	122.3	54.1	45.1
12.5°	1117.6	1102.2	1037.8	660.5	224.0	54.1	39.9	38.6
15°	1121.5	1104.7	1035.2	582.0	127.5	38.6	37.3	37.3
17.5°	1125.3	1106.0	1019.8	491.9	70.8	36.1	34.8	36.1
20°	1156.2	1100.9	992.7	394.0	46.4	33.5	33.5	34.8
22.5°	1187.1	1099.6	945.1	301.3	36.1	32.2	33.5	33.5
25°	1197.4	1086.7	884.6	215.0	30.9	30.9	32.2	33.5
27.5°	1178.1	1049.4	803.4	145.5	27.0	30.9	32.2	33.5
30°	1133.1	986.3	705.6	92.7	25.8	29.6	32.2	33.5
32.5°	1049.4	861.4	596.1	55.4	24.5	29.6	33.5	33.5
35°	882.0	722.3	472.5	28.3	24.5	29.6	33.5	34.8
37.5°	771.3	602.6	329.6	19.3	24.5	29.6	33.5	34.8
40°	639.9	435.2	137.8	18.0	24.5	29.6	33.5	36.1
42.5°	442.9	189.3	21.9	16.7	23.2	29.6	34.8	36.1
45°	159.7	24.5	10.3	16.7	23.2	29.6	34.8	36.1
47.5°	14.2	9.0	10.3	16.7	23.2	29.6	34.8	37.3
50°	9.0	9.0	9.0	15.5	23.2	29.6	34.8	37.3
52.5°	9.0	9.0	9.0	15.5	21.9	29.6	36.1	37.3
55°	9.0	9.0	9.0	14.2	21.9	29.6	34.8	37.3
57.5°	9.0	9.0	10.3	14.2	21.9	28.3	34.8	36.1
60°	9.0	9.0	9.0	14.2	20.6	27.0	33.5	34.8
62.5°	7.7	9.0	9.0	12.9	19.3	25.8	32.2	33.5
65°	7.7	7.7	9.0	11.6	18.0	24.5	29.6	32.2
67.5°	6.4	7.7	7.7	10.3	15.5	21.9	27.0	29.6
70°	6.4	6.4	6.4	9.0	14.2	19.3	25.8	27.0
72.5°	5.2	6.4	6.4	7.7	11.6	16.7	21.9	24.5
75°	5.2	5.2	5.2	6.4	10.3	15.5	19.3	20.6
77.5°	3.9	3.9	5.2	5.2	9.0	11.6	16.7	18.0
80°	3.9	3.9	3.9	5.2	6.4	10.3	12.9	14.2
82.5°	2.6	2.6	2.6	3.9	5.2	6.4	9.0	10.3
85°	2.6	2.6	2.6	2.6	3.9	5.2	6.4	6.4
87.5°	1.3	1.3	1.3	2.6	2.6	2.6	2.6	2.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)