

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: P1318566

Luminaire Tested: LDSQA3D17R609830DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318566
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R609830DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

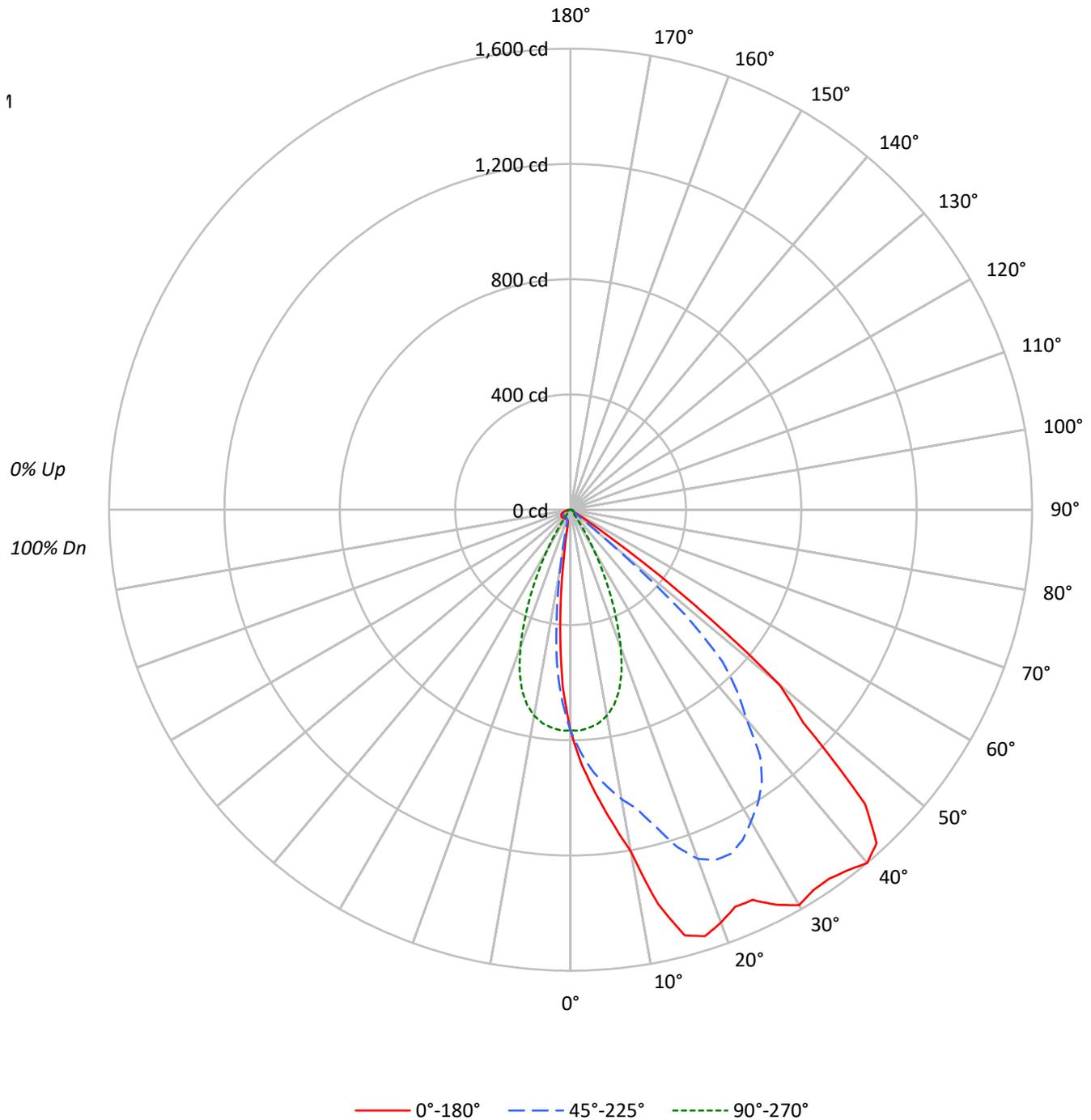
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1244.0 lumens
Efficiency: N/A
Efficacy: 61.0 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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	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	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	131888	131888	131888	131888	131888
5°	170356	158168	131164	93407	71261
10°	210537	178290	126928	35326	10475
15°	272653	202921	115805	7756	6918
20°	279404	236352	93214	6451	6671
25°	283900	250189	62500	6252	6689
30°	315083	248522	32236	6304	7000
35°	328655	242980	8893	6665	7653
40°	359646	213085	4227	7127	8453
45°	351846	181087	4287	7721	9450
50°	253623	44691	4716	8493	10396
55°	48672	2822	4924	9158	11650
60°	2411	2824	4857	9713	12538
65°	2404	2853	4768	10066	13407
70°	2367	2971	4733	10071	13596
75°	2329	3127	4658	10181	14040
80°	1190	3471	4661	10513	13984
85°	2371	2371	4545	9287	13832

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 351846 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	5.4
10°-20°	183.9	14.8
20°-30°	283.0	22.7
30°-40°	332.0	26.7
40°-50°	266.2	21.4
50°-60°	82.7	6.6
60°-70°	15.6	1.3
70°-80°	10.4	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°	533.4	42.9
0°-40°	865.4	69.6
0°-60°	1214.4	97.6
0°-90°	1244.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1244.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	766	766	766	766	766	
5°	985	915	759	540	412	101
15°	1529	1138	650	44	39	419
25°	1494	1317	329	33	35	705
35°	1563	1156	42	32	36	989
45°	1445	744	18	32	39	1034
55°	162	9	16	30	39	256
65°	6	7	12	25	33	6
75°	4	5	7	15	21	3
85°	1	1	2	5	7	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°	765.8	765.8	765.8	765.8	765.8	765.8	765.8	765.8	765.8	765.8	765.8
2.5°	883.2	873.8	873.8	870.3	866.8	867.9	858.6	862.1	852.7	845.6	839.8
5°	985.4	973.7	972.5	966.6	960.7	956.0	944.3	937.2	923.1	914.9	897.3
7.5°	1091.1	1081.7	1075.8	1068.8	1058.2	1046.5	1026.5	1013.6	991.3	969.0	946.6
10°	1203.9	1195.6	1182.7	1174.5	1145.1	1126.3	1099.3	1081.7	1048.8	1019.5	985.4
12.5°	1401.2	1396.5	1371.8	1355.4	1313.1	1275.5	1216.8	1169.8	1111.1	1062.9	1017.1
15°	1529.2	1523.3	1510.4	1495.1	1468.1	1425.8	1373.0	1307.2	1225.0	1138.1	1060.6
17.5°	1551.5	1552.7	1544.5	1540.9	1523.3	1496.3	1454.0	1404.7	1322.5	1226.2	1120.5
20°	1524.5	1533.9	1531.5	1538.6	1542.1	1531.5	1503.3	1455.2	1383.6	1289.6	1171.0
22.5°	1491.6	1499.8	1497.5	1510.4	1530.4	1540.9	1531.5	1492.8	1420.0	1315.4	1199.2
25°	1494.0	1499.8	1482.2	1490.4	1516.3	1542.1	1543.3	1509.2	1430.5	1316.6	1196.8
27.5°	1545.6	1528.0	1488.1	1484.6	1516.3	1549.2	1551.5	1509.2	1415.3	1291.9	1173.3
30°	1584.4	1571.5	1526.8	1521.0	1551.5	1573.8	1562.1	1496.3	1378.9	1249.7	1139.3
32.5°	1565.6	1567.9	1549.2	1567.9	1607.9	1617.3	1567.9	1465.8	1328.3	1208.6	1099.3
35°	1563.2	1572.6	1583.2	1612.6	1639.6	1617.3	1538.6	1408.2	1274.3	1155.7	1037.1
37.5°	1577.3	1592.6	1607.9	1633.7	1633.7	1576.2	1461.1	1335.4	1209.7	1080.5	907.9
40°	1599.7	1609.1	1613.8	1611.4	1579.7	1495.1	1373.0	1247.3	1127.5	947.8	822.1
42.5°	1570.3	1569.1	1564.4	1544.5	1485.7	1375.3	1261.4	1159.2	970.1	855.0	711.7
45°	1444.6	1444.6	1431.7	1400.0	1346.0	1254.4	1153.3	1004.2	884.4	743.5	528.5
47.5°	1093.5	1085.2	1099.3	1118.1	1118.1	1109.9	1018.3	889.1	766.9	536.7	169.1
50°	946.6	933.7	916.1	919.6	917.3	926.7	867.9	770.5	567.3	166.8	11.7
52.5°	535.6	559.1	616.6	697.6	734.1	747.0	710.6	586.1	191.4	10.6	9.4
55°	162.1	166.8	189.1	232.5	315.9	404.0	409.9	190.3	12.9	9.4	9.4
57.5°	7.0	7.0	9.4	14.1	32.9	49.3	52.9	11.7	8.2	9.4	9.4
60°	7.0	7.0	7.0	7.0	7.0	7.0	8.2	8.2	8.2	8.2	9.4
62.5°	5.9	5.9	7.0	7.0	7.0	7.0	7.0	7.0	8.2	8.2	8.2
65°	5.9	5.9	5.9	5.9	5.9	5.9	7.0	7.0	7.0	7.0	8.2
67.5°	4.7	4.7	4.7	5.9	5.9	5.9	5.9	5.9	7.0	7.0	7.0
70°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.9	5.9	5.9	5.9
72.5°	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7	4.7	4.7	5.9
75°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7	4.7
77.5°	2.3	2.3	2.3	2.3	2.3	3.5	3.5	3.5	3.5	3.5	3.5
80°	1.2	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.5	3.5
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	2.3	2.3	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	1.2	2.3
87.5°	0.0	0.0	0.0	0.0	1.2	1.2	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°	765.8	765.8	765.8	765.8	765.8	765.8	765.8	765.8
2.5°	831.5	822.1	811.6	766.9	723.5	664.8	624.8	613.1
5°	882.0	866.8	843.3	758.7	656.5	540.3	446.3	412.2
7.5°	924.3	900.8	867.9	747.0	576.7	366.4	236.1	199.7
10°	954.9	925.5	883.2	725.8	471.0	202.0	79.9	59.9
12.5°	980.7	941.9	891.4	694.1	343.0	82.2	41.1	41.1
15°	998.3	951.3	895.0	649.5	222.0	43.5	38.8	38.8
17.5°	1023.0	961.9	895.0	587.2	121.0	37.6	37.6	37.6
20°	1062.9	972.5	882.0	508.6	66.9	35.2	36.4	36.4
22.5°	1084.1	987.7	865.6	416.9	42.3	34.1	35.2	35.2
25°	1088.8	985.4	830.4	328.9	34.1	32.9	34.1	35.2
27.5°	1072.3	969.0	783.4	239.6	30.5	31.7	34.1	35.2
30°	1042.9	929.0	708.2	162.1	28.2	31.7	34.1	35.2
32.5°	987.7	832.7	620.1	97.5	27.0	31.7	34.1	36.4
35°	864.4	731.7	519.1	42.3	25.8	31.7	35.2	36.4
37.5°	775.2	630.7	401.7	21.1	25.8	31.7	35.2	37.6
40°	676.5	507.4	185.6	18.8	25.8	31.7	35.2	37.6
42.5°	515.6	234.9	22.3	18.8	24.7	31.7	36.4	37.6
45°	187.9	24.7	11.7	17.6	24.7	31.7	36.4	38.8
47.5°	14.1	9.4	10.6	17.6	24.7	31.7	36.4	38.8
50°	9.4	9.4	10.6	17.6	24.7	31.7	36.4	38.8
52.5°	9.4	10.6	10.6	16.4	23.5	31.7	36.4	38.8
55°	9.4	10.6	10.6	16.4	23.5	30.5	36.4	38.8
57.5°	9.4	9.4	10.6	15.3	22.3	29.4	36.4	37.6
60°	9.4	9.4	10.6	14.1	21.1	28.2	34.1	36.4
62.5°	9.4	9.4	9.4	12.9	20.0	27.0	32.9	35.2
65°	8.2	8.2	9.4	11.7	17.6	24.7	30.5	32.9
67.5°	7.0	8.2	8.2	10.6	16.4	22.3	28.2	30.5
70°	7.0	7.0	7.0	9.4	14.1	20.0	25.8	27.0
72.5°	5.9	5.9	7.0	8.2	12.9	17.6	23.5	24.7
75°	4.7	5.9	5.9	7.0	10.6	15.3	20.0	21.1
77.5°	4.7	4.7	4.7	5.9	9.4	12.9	16.4	17.6
80°	3.5	3.5	3.5	4.7	7.0	10.6	12.9	14.1
82.5°	2.3	3.5	3.5	3.5	5.9	7.0	9.4	10.6
85°	2.3	2.3	2.3	2.3	3.5	4.7	5.9	7.0
87.5°	1.2	1.2	2.3	2.3	2.3	2.3	2.3	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)