

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: P1318573

Luminaire Tested: LDSQA3D17R659830DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318573
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: LDSQA3D17R659830DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

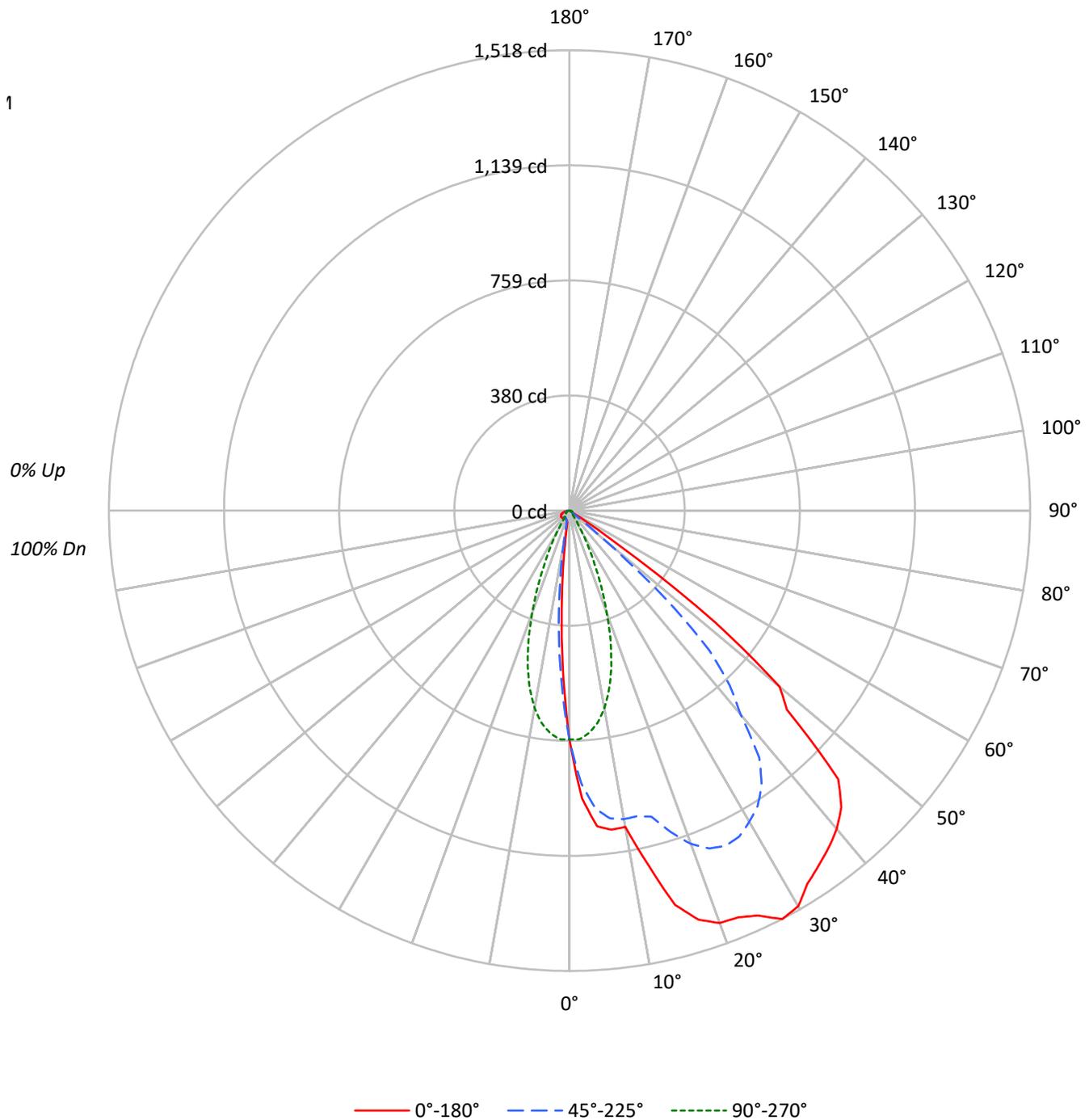
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1131.0 lumens
Efficiency: N/A
Efficacy: 55.4 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): 20.4
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				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	90	102	97	92	88	94	90	87	91	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	81	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	68	61	56	66	60	55	64	59	55	63	58	54	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	47	42	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	129959	129959	129959	129959	129959
5°	180643	170477	127205	69896	49167
10°	185197	180668	115718	19534	7188
15°	239953	186304	94730	6294	6080
20°	265163	214341	65924	5608	5810
25°	279852	231604	37302	5359	5815
30°	299651	235596	16824	5369	6085
35°	300734	232026	5445	5677	6665
40°	308094	197123	3710	6070	7397
45°	305156	158874	3726	6576	8013
50°	242156	37484	3778	7234	9136
55°	57530	2132	3873	8107	10239
60°	2032	2446	4443	8508	10919
65°	2404	2404	4320	9088	11981
70°	1762	2367	4129	8862	12438
75°	1597	2329	3926	9382	12510
80°	1190	2380	4661	9323	12794
85°	2371	4742	4742	9287	11659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°
 Vertical Angle: 45°
 Luminance: 305740 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.0	5.6
10°-20°	165.8	14.7
20°-30°	260.5	23.0
30°-40°	298.0	26.3
40°-50°	239.5	21.2
50°-60°	77.9	6.9
60°-70°	13.8	1.2
70°-80°	9.1	0.8
80°-90°	3.3	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°	489.3	43.3
0°-40°	787.3	69.6
0°-60°	1104.7	97.7
0°-90°	1131.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1131.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	755	755	755	755	755	
5°	1045	986	736	404	284	99
15°	1346	1045	531	35	34	375
25°	1473	1219	196	28	31	686
35°	1430	1104	26	27	32	898
45°	1253	652	15	27	33	901
55°	192	7	13	27	34	274
65°	6	6	11	22	29	5
75°	2	4	6	14	19	3
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°	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6
2.5°	949.7	946.1	950.8	942.6	941.4	933.2	928.5	926.2	915.6	901.5	888.6
5°	1044.9	1030.8	1034.3	1033.1	1027.2	1023.7	1019.0	1013.1	999.0	986.1	969.7
7.5°	1061.3	1049.6	1051.9	1053.1	1049.6	1048.4	1047.2	1044.9	1035.5	1023.7	1009.6
10°	1059.0	1047.2	1046.1	1042.5	1039.0	1040.2	1040.2	1040.2	1037.8	1033.1	1028.4
12.5°	1195.3	1178.9	1175.3	1150.7	1128.3	1089.5	1064.9	1041.4	1030.8	1031.9	1028.4
15°	1345.8	1344.6	1332.8	1309.3	1271.7	1236.5	1180.0	1137.7	1083.7	1044.9	1028.4
17.5°	1413.9	1412.8	1402.2	1382.2	1355.2	1322.3	1281.1	1231.8	1171.8	1111.9	1062.5
20°	1446.8	1455.1	1443.3	1426.9	1401.0	1370.4	1331.7	1287.0	1230.6	1169.5	1110.7
22.5°	1451.5	1462.1	1451.5	1439.8	1421.0	1401.0	1368.1	1322.3	1264.7	1205.9	1148.3
25°	1472.7	1476.2	1453.9	1438.6	1421.0	1406.9	1381.0	1341.1	1282.3	1218.8	1162.4
27.5°	1518.5	1503.3	1456.2	1435.1	1418.6	1405.7	1381.0	1339.9	1276.4	1211.8	1153.0
30°	1506.8	1500.9	1459.8	1439.8	1425.7	1412.8	1382.2	1329.3	1252.9	1184.7	1123.6
32.5°	1458.6	1470.3	1456.2	1449.2	1442.1	1425.7	1381.0	1309.3	1223.5	1154.2	1071.9
35°	1430.4	1444.5	1445.7	1445.7	1437.4	1412.8	1359.9	1279.9	1194.1	1103.6	993.2
37.5°	1402.2	1413.9	1421.0	1425.7	1413.9	1378.7	1311.7	1240.0	1146.0	1027.2	833.3
40°	1370.4	1378.7	1384.5	1386.9	1369.3	1323.4	1262.3	1181.2	1075.4	876.8	744.0
42.5°	1325.8	1330.5	1329.3	1328.1	1309.3	1258.8	1201.2	1116.6	907.4	781.6	620.6
45°	1252.9	1248.2	1255.3	1255.3	1230.6	1193.0	1116.6	952.0	812.2	652.3	399.6
47.5°	970.8	974.4	1008.4	1063.7	1097.8	1087.2	983.8	833.3	682.9	427.8	132.8
50°	903.8	900.3	901.5	907.4	910.9	881.5	807.5	704.0	451.3	139.9	9.4
52.5°	606.5	610.0	637.0	699.3	719.3	698.2	627.6	470.1	164.5	9.4	8.2
55°	191.6	204.5	219.8	252.7	310.3	346.7	339.7	166.9	10.6	7.1	8.2
57.5°	7.1	7.1	9.4	16.5	31.7	51.7	54.1	10.6	8.2	8.2	8.2
60°	5.9	5.9	5.9	5.9	5.9	5.9	7.1	7.1	7.1	7.1	7.1
62.5°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.1	7.1	7.1	7.1
65°	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.1
67.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.9	5.9	5.9	5.9
70°	3.5	3.5	3.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.9
72.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7	4.7
75°	2.4	2.4	2.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
77.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5	3.5
80°	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5
82.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4	2.4
85°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	2.4	2.4
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°	754.6	754.6	754.6	754.6	754.6	754.6	754.6	754.6
2.5°	881.5	867.4	839.2	754.6	666.4	578.3	523.0	508.9
5°	950.8	934.4	894.4	735.8	557.1	404.3	317.3	284.4
7.5°	993.2	973.2	926.2	706.4	433.7	235.1	141.0	112.8
10°	1012.0	994.3	941.4	661.7	313.8	111.7	49.4	41.1
12.5°	1020.2	1006.1	947.3	602.9	204.5	49.4	36.4	35.3
15°	1023.7	1008.4	945.0	531.3	116.4	35.3	34.1	34.1
17.5°	1027.2	1009.6	930.9	449.0	64.6	32.9	31.7	32.9
20°	1055.5	1004.9	906.2	359.7	42.3	30.6	30.6	31.7
22.5°	1083.7	1003.7	862.7	275.0	32.9	29.4	30.6	30.6
25°	1093.1	992.0	807.5	196.3	28.2	28.2	29.4	30.6
27.5°	1075.4	957.9	733.4	132.8	24.7	28.2	29.4	30.6
30°	1034.3	900.3	644.1	84.6	23.5	27.0	29.4	30.6
32.5°	957.9	786.3	544.2	50.5	22.3	27.0	30.6	30.6
35°	805.1	659.4	431.3	25.9	22.3	27.0	30.6	31.7
37.5°	704.0	550.1	300.9	17.6	22.3	27.0	30.6	31.7
40°	584.1	397.3	125.8	16.5	22.3	27.0	30.6	32.9
42.5°	404.3	172.8	20.0	15.3	21.2	27.0	31.7	32.9
45°	145.7	22.3	9.4	15.3	21.2	27.0	31.7	32.9
47.5°	12.9	8.2	9.4	15.3	21.2	27.0	31.7	34.1
50°	8.2	8.2	8.2	14.1	21.2	27.0	31.7	34.1
52.5°	8.2	8.2	8.2	14.1	20.0	27.0	32.9	34.1
55°	8.2	8.2	8.2	12.9	20.0	27.0	31.7	34.1
57.5°	8.2	8.2	9.4	12.9	20.0	25.9	31.7	32.9
60°	8.2	8.2	8.2	12.9	18.8	24.7	30.6	31.7
62.5°	7.1	8.2	8.2	11.8	17.6	23.5	29.4	30.6
65°	7.1	7.1	8.2	10.6	16.5	22.3	27.0	29.4
67.5°	5.9	7.1	7.1	9.4	14.1	20.0	24.7	27.0
70°	5.9	5.9	5.9	8.2	12.9	17.6	23.5	24.7
72.5°	4.7	5.9	5.9	7.1	10.6	15.3	20.0	22.3
75°	4.7	4.7	4.7	5.9	9.4	14.1	17.6	18.8
77.5°	3.5	3.5	4.7	4.7	8.2	10.6	15.3	16.5
80°	3.5	3.5	3.5	4.7	5.9	9.4	11.8	12.9
82.5°	2.4	2.4	2.4	3.5	4.7	5.9	8.2	9.4
85°	2.4	2.4	2.4	2.4	3.5	4.7	5.9	5.9
87.5°	1.2	1.2	1.2	2.4	2.4	2.4	2.4	2.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)