

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: P1320152

Luminaire Tested: LDSQA3D13R509840DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320152
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R509840DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

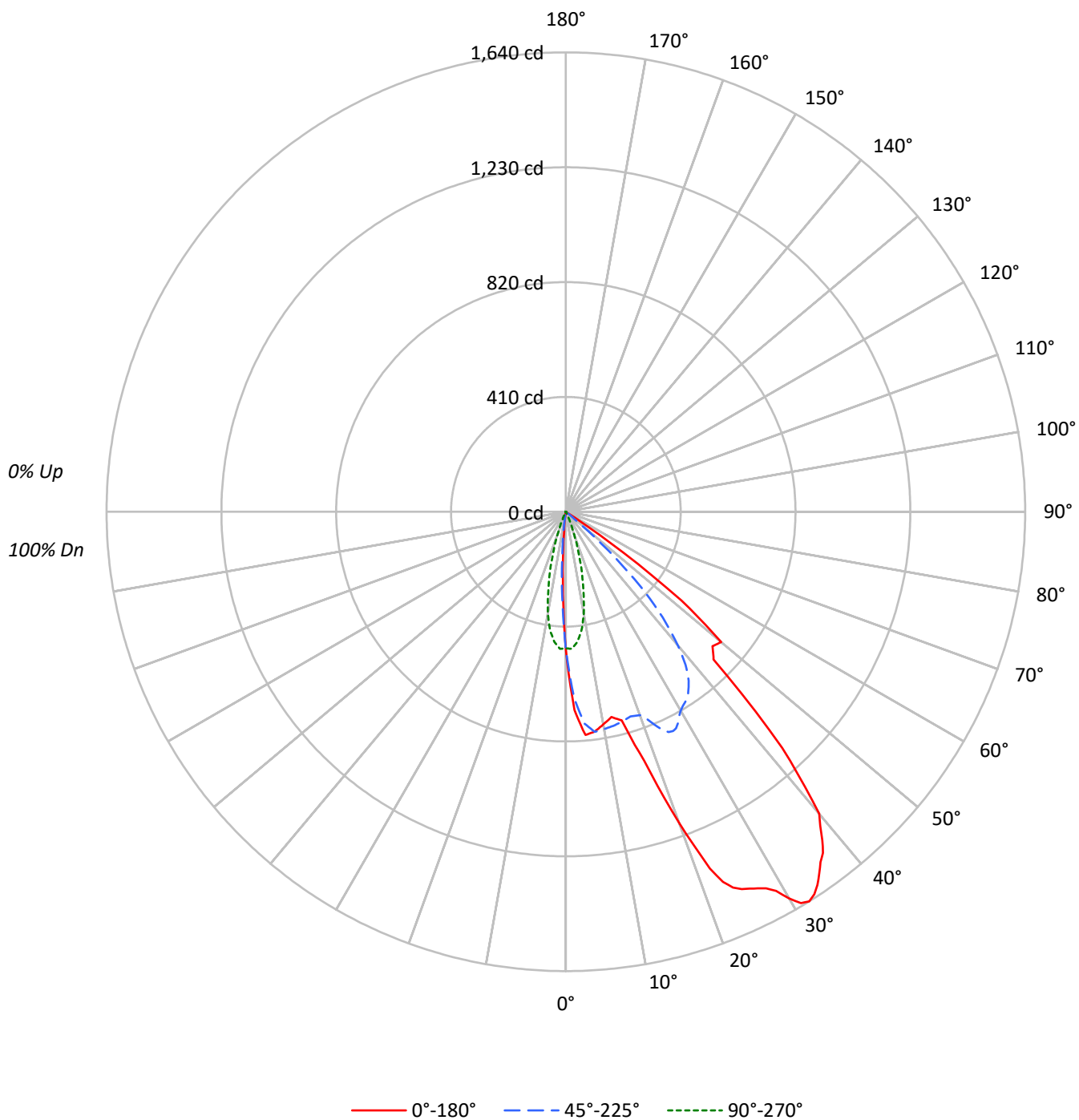
Lumens per Lamp: N/A
Luminaire Lumens: 785.0 lumens
Efficiency: N/A
Efficacy: 54.1 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	104		110	107	104	102		103	101	99		99	97	96		96	94	93		91			
2	105	99	95	91		103	98	93	90		94	91	88		91	88	86		89	86	84		82			
3	98	91	85	80		96	89	84	79		86	82	78		84	80	77		82	78	75		74			
4	92	83	76	71		90	81	75	70		79	74	70		77	72	69		75	71	68		66			
5	86	76	68	63		84	75	68	63		73	67	62		71	66	62		69	65	61		59			
6	80	69	62	57		78	68	62	57		67	61	56		65	60	56		64	59	55		54			
7	75	64	56	51		73	63	56	51		61	55	51		60	55	50		59	54	50		48			
8	70	59	51	46		69	58	51	46		57	50	46		56	50	46		55	49	46		44			
9	66	54	47	42		64	54	47	42		53	46	42		52	46	42		51	45	42		40			
10	62	50	43	39		61	50	43	39		49	43	38		48	42	38		47	42	38		37			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	83941	83941	83941	83941	83941
5°	138304	131251	80666	23961	11981
10°	134780	137753	64635	1207	1609
15°	137414	138252	38708	1230	410
20°	216613	141544	15945	0	0
25°	282380	164905	3801	0	0
30°	316952	163070	159	0	0
35°	331704	160585	0	0	0
40°	316435	139524	0	0	0
45°	181720	92090	0	0	0
50°	193928	10530	0	0	0
55°	55248	0	0	0	0
60°	0	0	276	0	0
65°	0	326	326	0	0
70°	0	403	403	0	0
75°	0	532	532	0	0
80°	0	793	1488	793	0
85°	0	1581	2964	1581	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 200669 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	5.2
10°-20°	103.1	13.1
20°-30°	198.1	25.2
30°-40°	230.6	29.4
40°-50°	165.0	21.0
50°-60°	45.9	5.9
60°-70°	0.3	0.0
70°-80°	0.5	0.1
80°-90°	0.6	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°	342.2	43.6
0°-40°	572.7	73.0
0°-60°	783.7	99.8
0°-90°	785.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	785.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	487	487	487	487	487	
5°	800	759	467	139	69	73
15°	771	775	217	7	2	249
25°	1486	868	20	0	0	676
35°	1578	764	0	0	0	976
45°	746	378	0	0	0	702
55°	184	0	0	0	0	232
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	2	1	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4	487.4
2.5°	708.4	712.2	713.0	703.8	705.3	692.2	693.0	683.7	661.4	583.6	489.7
5°	800.0	797.7	800.0	796.9	800.0	792.3	787.7	783.8	759.2	649.1	466.6
7.5°	791.5	788.5	793.1	794.6	800.0	797.7	798.5	800.8	792.3	684.5	427.3
10°	770.7	770.0	772.3	772.3	778.4	779.2	782.3	786.9	787.7	696.8	369.6
12.5°	750.7	748.4	748.4	747.6	750.7	750.0	757.7	768.4	783.1	689.1	290.3
15°	770.7	768.4	765.4	756.9	750.7	743.8	744.6	751.5	775.4	669.1	217.1
17.5°	932.4	920.1	904.7	877.8	849.3	800.0	770.7	752.3	766.1	638.3	144.8
20°	1181.9	1176.5	1151.9	1108.0	1061.8	989.4	899.3	827.0	772.3	599.8	87.0
21°	1276.6	1273.5	1247.4	1206.5	1154.2	1066.4	974.0	887.0	784.6	583.6	68.5
22°	1373.6	1362.1	1341.3	1295.9	1241.2	1153.4	1050.2	954.0	809.2	562.8	52.4
23°	1436.0	1429.1	1406.7	1370.6	1318.2	1232.7	1127.2	1022.5	833.1	539.8	39.3
24°	1468.3	1466.0	1448.3	1422.9	1378.3	1291.2	1191.1	1083.4	853.1	512.8	28.5
25°	1486.0	1478.3	1467.6	1449.1	1415.2	1339.8	1250.4	1136.5	867.8	485.9	20.0
26°	1496.8	1492.2	1475.3	1459.1	1426.8	1365.2	1288.9	1168.8	871.6	452.7	13.9
27°	1509.1	1498.4	1482.2	1462.9	1426.8	1372.9	1303.6	1182.7	867.0	418.9	9.2
28°	1522.2	1514.5	1492.2	1467.6	1424.4	1372.9	1298.2	1164.2	853.1	386.5	5.4
29°	1547.6	1537.6	1509.9	1473.7	1425.2	1371.3	1277.4	1125.7	834.6	350.3	3.1
30°	1593.8	1573.1	1539.2	1488.4	1430.6	1368.2	1242.7	1068.0	820.0	309.5	0.8
31°	1630.0	1618.5	1579.2	1515.3	1446.0	1359.8	1201.9	1011.0	810.0	274.1	0.0
32°	1640.0	1631.6	1603.1	1543.0	1472.2	1352.8	1155.7	955.5	802.3	234.8	0.0
33°	1628.5	1623.1	1593.1	1538.4	1479.1	1343.6	1102.6	900.9	793.8	199.4	0.0
34°	1606.9	1600.0	1573.8	1518.4	1461.4	1303.6	1051.8	859.3	781.5	166.3	0.0
35°	1577.7	1572.3	1545.3	1490.7	1429.1	1241.2	1001.0	831.6	763.8	133.2	0.0
36°	1546.1	1544.6	1509.9	1456.0	1387.5	1181.1	939.4	810.8	746.1	105.5	0.0
37°	1525.3	1517.6	1479.9	1426.8	1338.2	1111.1	890.1	803.9	721.5	81.6	0.0
38°	1487.6	1489.1	1446.0	1397.5	1288.2	1050.2	850.0	798.5	693.7	59.3	0.0
39°	1442.9	1443.7	1399.0	1357.5	1228.9	986.3	816.9	793.1	659.1	37.7	0.0
40°	1407.5	1406.7	1355.9	1311.3	1165.0	926.3	799.2	785.4	620.6	21.6	0.0
42.5°	1144.2	1148.8	1155.0	1173.4	1014.8	820.8	782.3	742.3	511.3	0.0	0.0
45°	746.1	763.8	768.4	823.9	823.1	777.7	742.3	665.3	378.1	0.0	0.0
47.5°	709.9	715.3	725.3	746.9	758.4	736.1	663.7	555.9	206.4	0.0	0.0
50°	723.8	723.0	725.3	725.3	704.5	646.8	544.4	410.4	39.3	0.0	0.0
52.5°	519.7	539.0	559.8	569.0	542.1	481.2	397.3	241.0	0.0	0.0	0.0
55°	184.0	177.9	173.2	189.4	185.6	208.7	172.5	56.2	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.8	3.1	6.9	9.2	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.5
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	1.5
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):

	112.5°	135°	157.5°	180°
0°	487.4	487.4	487.4	487.4
2.5°	390.4	299.5	242.5	246.4
5°	274.1	138.6	85.5	69.3
7.5°	164.0	42.3	8.5	6.9
10°	77.0	6.9	7.7	9.2
12.5°	23.1	6.2	8.5	7.7
15°	6.2	6.9	3.8	2.3
17.5°	2.3	3.1	0.0	0.0
20°	1.5	0.0	0.0	0.0
21°	1.5	0.0	0.0	0.0
22°	0.8	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.8	0.0	0.0	0.0
67.5°	0.8	0.0	0.0	0.0
70°	0.8	0.0	0.0	0.0
72.5°	0.8	0.0	0.0	0.0
75°	0.8	0.0	0.0	0.0
77.5°	0.8	0.0	0.0	0.0
80°	0.8	0.8	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.8	0.8	0.0	0.0
85°	0.8	0.8	0.0	0.0
87.5°	0.8	0.8	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)