

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: P1323967

Luminaire Tested: LDSQA3D13R609030D2WDE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323967
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R609030D2WDE010 3LSQCA30R 1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R60 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

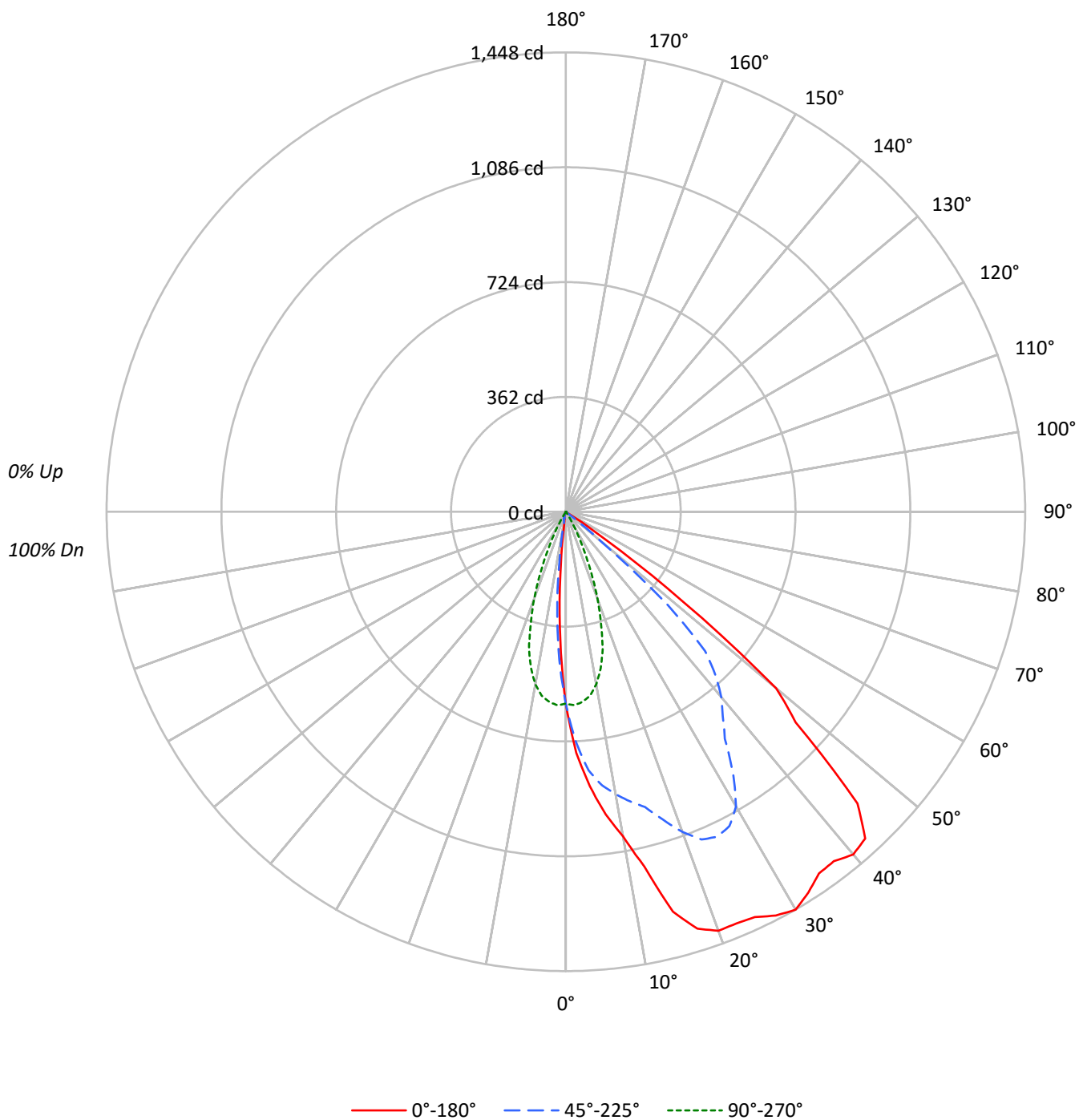
Lumens per Lamp: N/A
Luminaire Lumens: 983.0 lumens
Efficiency: N/A
Efficacy: 48.9 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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				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	100	95	91	103	98	93	90	94	91	88		91	88	86		89	86	84		82
3	99	91	85	80	96	89	84	79	87	82	78		84	80	77		82	78	76		74
4	92	83	76	71	90	82	75	71	79	74	70		77	73	69		75	71	68		66
5	86	76	69	63	84	75	68	63	73	67	63		71	66	62		69	65	61		60
6	80	69	62	57	79	69	62	57	67	61	56		65	60	56		64	59	56		54
7	75	64	57	52	74	63	56	51	62	56	51		60	55	51		59	54	50		49
8	70	59	52	47	69	58	51	47	57	51	46		56	50	46		55	50	46		44
9	66	55	47	43	65	54	47	43	53	47	42		52	46	42		51	46	42		40
10	62	51	44	39	61	50	43	39	49	43	39		48	43	39		48	42	39		37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	104160	104160	104160	104160	104160
5°	150147	141399	104005	53576	34421
10°	181612	158091	96551	6401	3760
15°	232750	171737	80020	4226	3459
20°	257594	196838	53645	2364	403
25°	267900	214730	26376	209	0
30°	288057	213363	7278	0	0
35°	292556	183712	0	0	0
40°	316952	171291	0	0	0
45°	316627	151226	0	0	0
50°	231814	36626	0	0	0
55°	45249	0	0	0	0
60°	0	0	0	0	0
65°	0	448	448	0	0
70°	0	554	554	0	0
75°	0	732	732	0	0
80°	0	1091	1091	1091	0
85°	0	2174	2174	2174	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°

Vertical Angle: 45°

Luminance: 317163 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.9	5.3
10°-20°	147.9	15.0
20°-30°	235.7	24.0
30°-40°	272.5	27.7
40°-50°	216.4	22.0
50°-60°	56.9	5.8
60°-70°	0.4	0.0
70°-80°	0.6	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°	435.6	44.3
0°-40°	708.0	72.0
0°-60°	981.4	99.8
0°-90°	983.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	983.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	605	605	605	605	605	
5°	868	818	602	310	199	88
15°	1305	963	449	24	19	364
25°	1410	1130	139	1	0	657
35°	1392	874	0	0	0	884
45°	1300	621	0	0	0	926
55°	151	0	0	0	0	227
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	0
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°	604.8	604.8	604.8	604.8	604.8	604.8	604.8	604.8	604.8	604.8	604.8
2.5°	760.8	768.4	765.2	761.9	754.4	751.2	751.2	742.6	728.6	726.4	716.7
5°	868.5	870.6	870.6	868.5	863.1	854.5	852.3	843.7	830.8	817.9	805.0
7.5°	962.1	961.0	954.6	950.3	940.6	928.7	918.0	906.1	886.8	869.5	851.2
10°	1038.5	1041.7	1036.3	1025.6	1012.7	996.5	979.3	958.9	929.8	904.0	880.3
12.5°	1146.1	1145.0	1131.0	1112.8	1081.5	1051.4	1024.5	1001.9	966.4	935.2	906.1
15°	1305.4	1303.2	1290.3	1274.2	1229.0	1183.8	1137.5	1074.0	1014.8	963.2	922.3
17.5°	1377.5	1381.8	1371.0	1362.4	1336.6	1306.5	1265.6	1202.1	1110.6	1017.0	930.9
20°	1405.5	1410.9	1403.3	1402.2	1390.4	1376.4	1343.1	1274.2	1184.9	1074.0	967.5
22.5°	1404.4	1408.7	1405.5	1419.5	1433.5	1425.9	1385.0	1316.1	1224.7	1118.1	997.6
25°	1409.8	1406.5	1394.7	1415.2	1435.6	1429.1	1408.7	1349.5	1249.4	1130.0	1008.4
27.5°	1434.5	1410.9	1387.2	1413.0	1422.7	1424.8	1413.0	1343.1	1245.1	1117.1	986.8
30°	1448.5	1422.7	1403.3	1424.8	1424.8	1436.7	1411.9	1332.3	1208.5	1072.9	929.8
32.5°	1422.7	1417.3	1434.5	1456.1	1461.4	1461.4	1406.5	1296.8	1147.2	982.5	838.3
35°	1391.5	1404.4	1453.9	1463.6	1463.6	1439.9	1373.2	1234.4	1055.7	873.8	770.5
37.5°	1388.3	1408.7	1463.6	1451.7	1432.4	1388.3	1291.4	1125.7	925.5	812.5	720.0
40°	1409.8	1429.1	1461.4	1418.4	1372.1	1303.2	1187.0	983.6	846.9	761.9	658.6
42.5°	1396.9	1415.2	1416.2	1352.7	1287.1	1193.5	1039.6	868.5	789.9	697.4	588.7
45°	1300.0	1302.2	1297.9	1230.1	1162.3	1065.4	901.8	811.4	727.5	620.9	432.6
47.5°	982.5	978.2	994.4	975.0	978.2	920.1	819.0	744.7	644.6	435.8	131.3
50°	865.2	859.9	843.7	826.5	809.3	781.3	733.9	654.3	464.9	136.7	4.3
52.5°	463.8	489.7	540.2	617.7	646.8	644.6	609.1	484.3	146.4	1.1	0.0
55°	150.7	148.5	165.7	195.9	269.0	309.9	322.8	164.7	3.2	0.0	0.0
57.5°	0.0	0.0	0.0	3.2	10.8	28.0	36.6	2.2	0.0	1.1	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1
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°	604.8	604.8	604.8	604.8	604.8	604.8	604.8	604.8
2.5°	703.8	688.7	671.5	610.2	538.1	468.1	417.6	404.6
5°	784.5	758.7	722.1	601.6	444.5	309.9	221.7	199.1
7.5°	826.5	803.9	765.2	584.4	344.4	152.8	57.0	38.7
10°	852.3	825.4	782.4	552.1	224.9	36.6	20.4	21.5
12.5°	870.6	839.4	791.0	505.8	114.1	18.3	25.8	26.9
15°	878.2	844.8	789.9	448.8	40.9	23.7	22.6	19.4
17.5°	873.8	831.9	775.9	367.0	14.0	22.6	11.8	9.7
20°	868.5	821.1	753.3	292.7	11.8	12.9	4.3	2.2
22.5°	885.7	802.8	722.1	209.9	11.8	4.3	0.0	0.0
25°	887.8	795.3	682.3	138.8	5.4	1.1	0.0	0.0
27.5°	866.3	751.2	620.9	81.8	0.0	0.0	0.0	0.0
30°	797.4	696.3	555.3	36.6	0.0	0.0	0.0	0.0
32.5°	729.6	634.9	482.1	8.6	0.0	0.0	0.0	0.0
35°	675.8	571.4	401.4	0.0	0.0	0.0	0.0	0.0
37.5°	609.1	496.1	299.2	0.0	0.0	0.0	0.0	0.0
40°	539.2	400.3	149.6	0.0	0.0	0.0	0.0	0.0
42.5°	420.8	190.5	15.1	0.0	0.0	0.0	0.0	0.0
45°	161.4	17.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	1.1	1.1	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
65°	1.1	1.1	1.1	1.1	0.0	0.0	0.0	0.0
67.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
70°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
72.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
75°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
77.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
80°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0
82.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	0.0
85°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)