

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: P1311544

Luminaire Tested: LDSQA3D13R609040DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311544
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: LDSQA3D13R609040DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 4000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

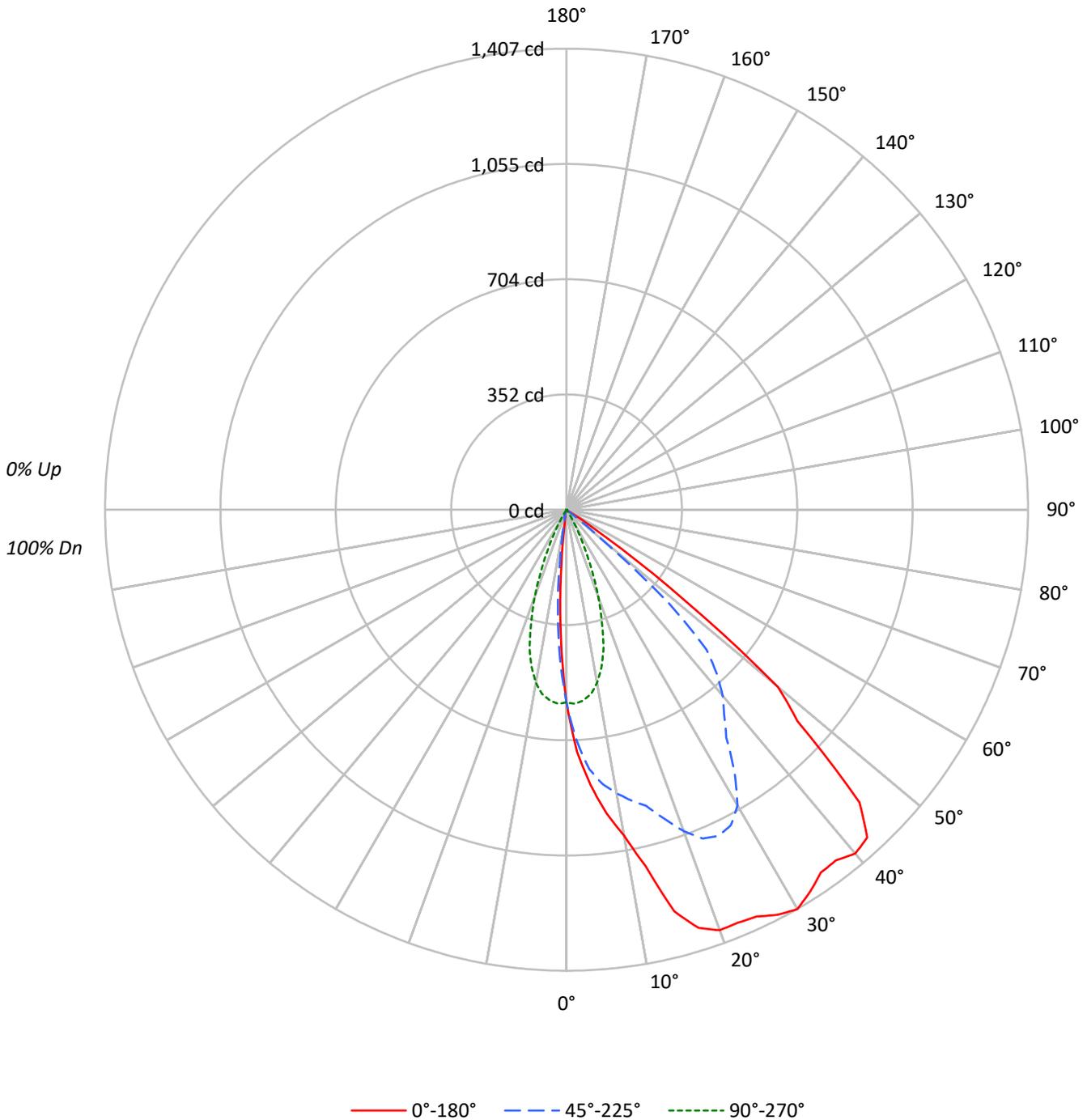
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 954.9 lumens
Efficiency: N/A
Efficacy: 65.4 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): 14.6
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

TEST NUMBER: P1311544
CATALOG NUMBER: LDSQA3D13R609040DE010 3LSQCA30R 1MB

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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	74	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	66	73	69	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	60	66	62	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	54	61	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	49	57	51	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	44	53	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	40	49	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	37	45	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	101198	101198	101198	101198	101198
5°	145859	137371	101031	52054	33435
10°	176436	153579	93788	6208	3655
15°	226118	166833	77738	4101	3352
20°	250244	191230	52124	2291	385
25°	260261	208611	25635	190	0
30°	279864	207297	7060	0	0
35°	284209	178498	0	0	0
40°	307914	166412	0	0	0
45°	307616	146940	0	0	0
50°	225223	35581	0	0	0
55°	43958	0	0	0	0
60°	0	0	0	0	0
65°	0	408	408	0	0
70°	0	504	504	0	0
75°	0	665	665	0	0
80°	0	992	992	992	0
85°	0	1976	1976	1976	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 308127 cd/sqm



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CATALOG NUMBER: LDSQA3D13R609040DE010 3LSQCA30R 1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.4	5.3
10°-20°	143.7	15.0
20°-30°	229.0	24.0
30°-40°	264.7	27.7
40°-50°	210.2	22.0
50°-60°	55.3	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°	423.2	44.3
0°-40°	687.9	72.0
0°-60°	953.4	99.8
0°-90°	954.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	954.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	588	588	588	588	588	
5°	844	795	584	301	193	85
15°	1268	936	436	23	19	353
25°	1370	1098	135	1	0	639
35°	1352	849	0	0	0	859
45°	1263	603	0	0	0	899
55°	146	0	0	0	0	221
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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 CATALOG NUMBER: LDSQA3D13R609040DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	587.6	587.6	587.6	587.6	587.6	587.6	587.6	587.6	587.6	587.6	587.6
2.5°	739.2	746.5	743.4	740.2	732.9	729.8	729.8	721.4	707.8	705.7	696.3
5°	843.7	845.8	845.8	843.7	838.5	830.1	828.0	819.7	807.1	794.6	782.0
7.5°	934.7	933.6	927.4	923.2	913.8	902.3	891.8	880.3	861.5	844.8	827.0
10°	1008.9	1012.1	1006.8	996.4	983.8	968.1	951.4	931.6	903.3	878.2	855.2
12.5°	1113.5	1112.4	1098.8	1081.1	1050.7	1021.5	995.3	973.4	938.9	908.5	880.3
15°	1268.2	1266.1	1253.6	1237.9	1194.0	1150.1	1105.1	1043.4	985.9	935.7	896.0
17.5°	1338.3	1342.4	1332.0	1323.6	1298.5	1269.2	1229.5	1167.8	1079.0	988.0	904.4
20°	1365.4	1370.7	1363.3	1362.3	1350.8	1337.2	1304.8	1237.9	1151.1	1043.4	939.9
22.5°	1364.4	1368.6	1365.4	1379.0	1392.6	1385.3	1345.6	1278.7	1189.8	1086.3	969.2
25°	1369.6	1366.5	1355.0	1374.8	1394.7	1388.4	1368.6	1311.1	1213.8	1097.8	979.6
27.5°	1393.7	1370.7	1347.7	1372.8	1382.2	1384.3	1372.8	1304.8	1209.7	1085.2	958.7
30°	1407.3	1382.2	1363.3	1384.3	1384.3	1395.8	1371.7	1294.3	1174.1	1042.4	903.3
32.5°	1382.2	1376.9	1393.7	1414.6	1419.8	1419.8	1366.5	1259.8	1114.5	954.6	814.5
35°	1351.8	1364.4	1412.5	1421.9	1421.9	1398.9	1334.1	1199.2	1025.6	849.0	748.6
37.5°	1348.7	1368.6	1421.9	1410.4	1391.6	1348.7	1254.6	1093.6	899.1	789.4	699.4
40°	1369.6	1388.4	1419.8	1378.0	1333.0	1266.1	1153.2	955.6	822.8	740.2	639.9
42.5°	1357.1	1374.8	1375.9	1314.2	1250.4	1159.5	1010.0	843.7	767.4	677.5	571.9
45°	1263.0	1265.1	1260.9	1195.0	1129.2	1035.1	876.1	788.3	706.8	603.3	420.3
47.5°	954.6	950.4	966.1	947.2	950.4	893.9	795.6	723.5	626.3	423.4	127.6
50°	840.6	835.4	819.7	803.0	786.2	759.0	713.0	635.7	451.7	132.8	4.2
52.5°	450.6	475.7	524.8	600.1	628.4	626.3	591.8	470.5	142.2	1.0	0.0
55°	146.4	144.3	161.0	190.3	261.4	301.1	313.7	160.0	3.1	0.0	0.0
57.5°	0.0	0.0	0.0	3.1	10.5	27.2	35.5	2.1	0.0	1.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1311544

CATALOG NUMBER: LDSQA3D13R609040DE010 3LSQCA30R 1MB

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	587.6	587.6	587.6	587.6	587.6	587.6	587.6	587.6
2.5°	683.8	669.1	652.4	592.8	522.8	454.8	405.7	393.1
5°	762.2	737.1	701.5	584.4	431.8	301.1	215.4	193.4
7.5°	803.0	781.0	743.4	567.7	334.6	148.5	55.4	37.6
10°	828.0	801.9	760.1	536.3	218.5	35.5	19.9	20.9
12.5°	845.8	815.5	768.5	491.4	110.8	17.8	25.1	26.1
15°	853.1	820.7	767.4	436.0	39.7	23.0	22.0	18.8
17.5°	849.0	808.2	753.8	356.5	13.6	22.0	11.5	9.4
20°	843.7	797.7	731.9	284.4	11.5	12.5	4.2	2.1
22.5°	860.5	780.0	701.5	203.9	11.5	4.2	0.0	0.0
25°	862.5	772.6	662.9	134.9	5.2	1.0	0.0	0.0
27.5°	841.6	729.8	603.3	79.5	0.0	0.0	0.0	0.0
30°	774.7	676.4	539.5	35.5	0.0	0.0	0.0	0.0
32.5°	708.9	616.9	468.4	8.4	0.0	0.0	0.0	0.0
35°	656.6	555.2	390.0	0.0	0.0	0.0	0.0	0.0
37.5°	591.8	482.0	290.7	0.0	0.0	0.0	0.0	0.0
40°	523.8	388.9	145.3	0.0	0.0	0.0	0.0	0.0
42.5°	408.8	185.1	14.6	0.0	0.0	0.0	0.0	0.0
45°	156.8	16.7	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	8.4	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°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
65°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
67.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
70°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
72.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
75°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
77.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
82.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
85°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)