

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: P1320162

Luminaire Tested: LDSQA3D13R559840DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320162
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R559840DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 98CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

Summary

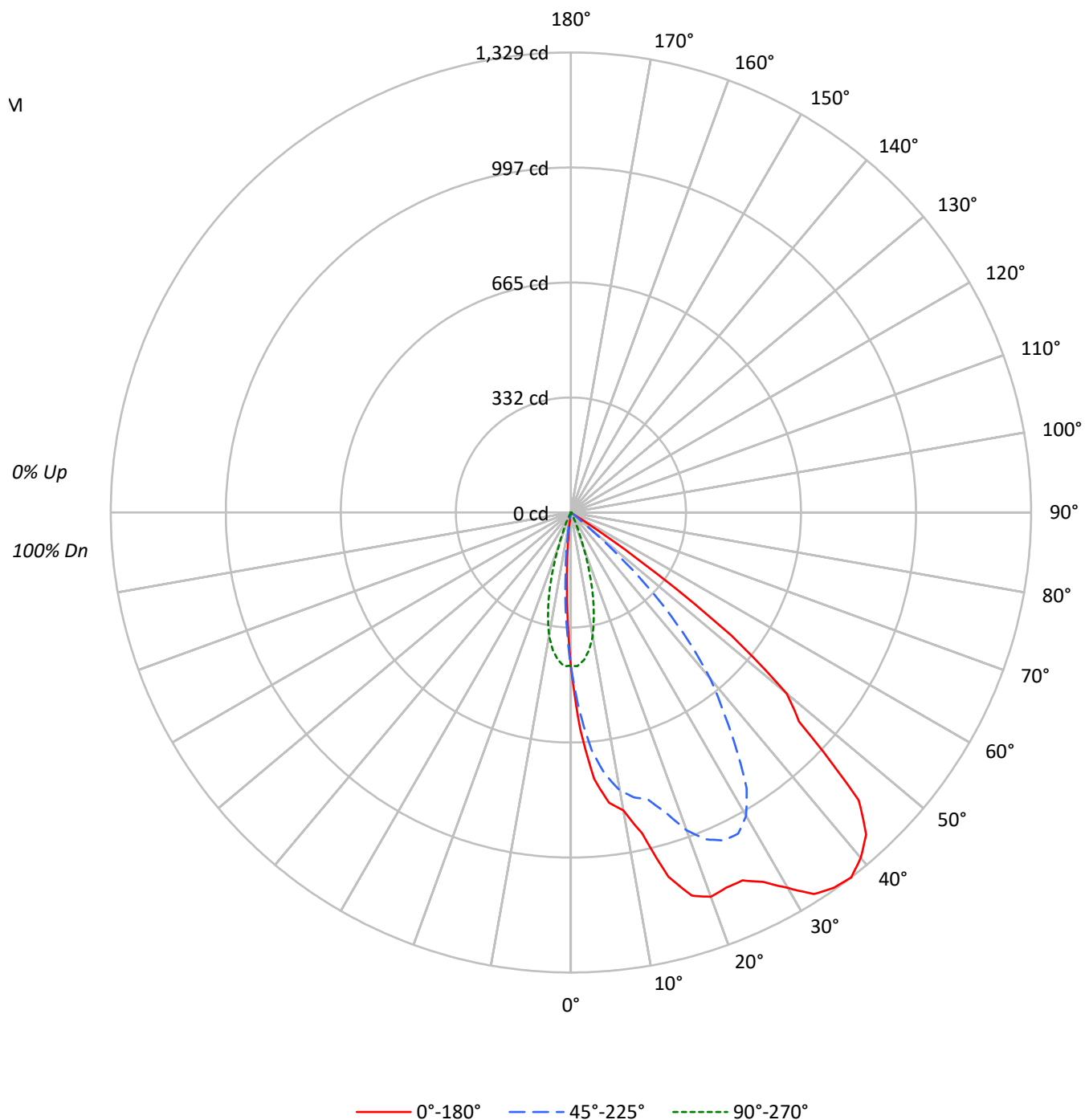
Lumens per Lamp: N/A
Luminaire Lumens: 819.0 lumens
Efficiency: N/A
Efficacy: 56.5 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82		
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73		
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66		
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	76226	76226	76226	76226	76226
5°	133585	119080	73976	30738	17703
10°	152897	142544	63254	3358	1207
15°	194309	153015	43362	678	410
20°	216522	179005	19042	0	0
25°	222901	198616	5416	0	0
30°	249019	201272	756	0	0
35°	278322	174756	0	0	0
40°	292784	140670	0	0	0
45°	286256	88851	0	0	0
50°	217962	18139	0	0	0
55°	71402	0	0	0	0
60°	0	0	0	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	1581	1581	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 286256 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.4	4.9
10°-20°	118.5	14.5
20°-30°	192.7	23.5
30°-40°	229.0	28.0
40°-50°	187.3	22.9
50°-60°	49.6	6.1
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°	351.6	42.9
0°-40°	580.7	70.9
0°-60°	817.6	99.8
0°-90°	819.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	819.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	443	443	443	443	443	
5°	773	689	428	178	102	76
15°	1090	858	243	4	2	305
25°	1173	1045	28	0	0	552
35°	1324	831	0	0	0	823
45°	1175	365	0	0	0	844
55°	238	0	0	0	0	267
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°	67.5°
0°	442.6	442.6	442.6	442.6	442.6	442.6	442.6	442.6	442.6	442.6	442.6
2.5°	628.0	623.4	624.2	621.9	624.2	614.2	603.4	593.4	585.7	574.9	509.5
5°	772.7	765.0	762.7	759.7	756.6	744.3	734.3	721.9	707.3	688.8	568.8
7.5°	845.9	839.7	836.6	838.2	831.2	826.6	813.5	799.7	784.3	764.3	613.4
10°	874.3	868.2	867.4	866.6	865.9	862.8	856.6	844.3	830.5	815.1	638.8
12.5°	949.0	935.1	925.9	915.1	902.0	885.1	871.3	860.5	855.1	842.8	650.4
15°	1089.8	1076.7	1066.7	1052.9	1028.3	992.1	959.0	916.7	879.7	858.2	645.7
17.5°	1160.6	1154.5	1146.0	1136.8	1119.8	1093.7	1059.8	1015.2	968.2	907.4	623.4
20°	1181.4	1178.3	1172.2	1168.3	1156.8	1138.3	1115.2	1080.6	1036.7	976.7	588.8
22.5°	1173.0	1175.3	1178.3	1188.3	1189.9	1176.8	1155.3	1122.2	1077.5	1022.1	535.7
25°	1173.0	1171.4	1171.4	1192.2	1205.3	1199.1	1183.7	1153.7	1108.3	1045.2	470.3
27.5°	1203.0	1193.7	1174.5	1196.0	1217.6	1215.3	1201.4	1166.0	1115.2	1046.0	390.2
30°	1252.2	1232.2	1200.7	1220.7	1240.7	1232.2	1209.9	1164.5	1099.8	1012.1	292.5
32.5°	1306.9	1297.6	1281.5	1294.6	1291.5	1257.6	1217.6	1154.5	1068.3	944.4	197.0
35°	1323.8	1325.3	1314.6	1312.3	1294.6	1259.9	1217.6	1126.0	1002.1	831.2	117.0
37.5°	1329.2	1330.0	1313.0	1291.5	1265.3	1224.5	1173.7	1067.5	879.7	721.9	62.3
40°	1302.3	1301.5	1273.8	1247.6	1218.4	1178.3	1104.5	944.4	763.5	625.7	22.3
42.5°	1262.2	1252.2	1226.1	1193.7	1158.3	1108.3	992.9	797.4	663.4	501.0	1.5
45°	1175.3	1166.0	1145.2	1110.6	1071.4	1000.6	818.1	685.0	539.5	364.8	0.0
47.5°	893.6	889.0	910.5	915.1	914.4	833.5	682.7	558.8	396.4	212.4	0.0
50°	813.5	807.4	785.8	758.1	708.9	641.1	547.2	414.1	232.4	67.7	0.0
52.5°	584.2	604.2	608.8	588.0	541.8	474.9	377.1	238.6	80.8	0.0	0.0
55°	237.8	225.5	234.7	246.3	255.5	234.7	173.9	84.7	0.8	0.0	0.0
57.5°	0.0	0.8	4.6	10.8	17.7	22.3	23.9	1.5	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	0.0	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	0.8	0.0	0.8	0.8	0.8
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	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	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	1.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8
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):

	90°	112.5°	135°	157.5°	180°
0°	442.6	442.6	442.6	442.6	442.6
2.5°	444.1	375.6	309.4	273.2	255.5
5°	427.9	287.1	177.8	123.1	102.4
7.5°	401.0	197.0	70.8	29.2	20.8
10°	361.7	113.1	19.2	7.7	6.9
12.5°	305.6	51.6	6.9	5.4	5.4
15°	243.2	17.7	3.8	3.1	2.3
17.5°	170.9	4.6	1.5	0.0	0.0
20°	103.9	0.8	0.0	0.0	0.0
22.5°	57.7	0.0	0.0	0.0	0.0
25°	28.5	0.0	0.0	0.0	0.0
27.5°	12.3	0.0	0.0	0.0	0.0
30°	3.8	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.8	0.0	0.0	0.0	0.0
65°	0.8	0.8	0.0	0.0	0.0
67.5°	0.8	0.8	0.0	0.0	0.0
70°	0.8	0.8	0.0	0.0	0.0
72.5°	0.8	0.8	0.0	0.0	0.0
75°	0.8	0.8	0.0	0.0	0.0
77.5°	1.5	0.8	0.8	0.0	0.0
80°	1.5	0.8	0.8	0.0	0.0
82.5°	1.5	0.8	0.8	0.0	0.0
85°	0.8	0.8	0.8	0.0	0.0
87.5°	1.5	0.8	0.8	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)