

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: P1319285

Luminaire Tested: LDSQA3D13R559835DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

**Test Information**

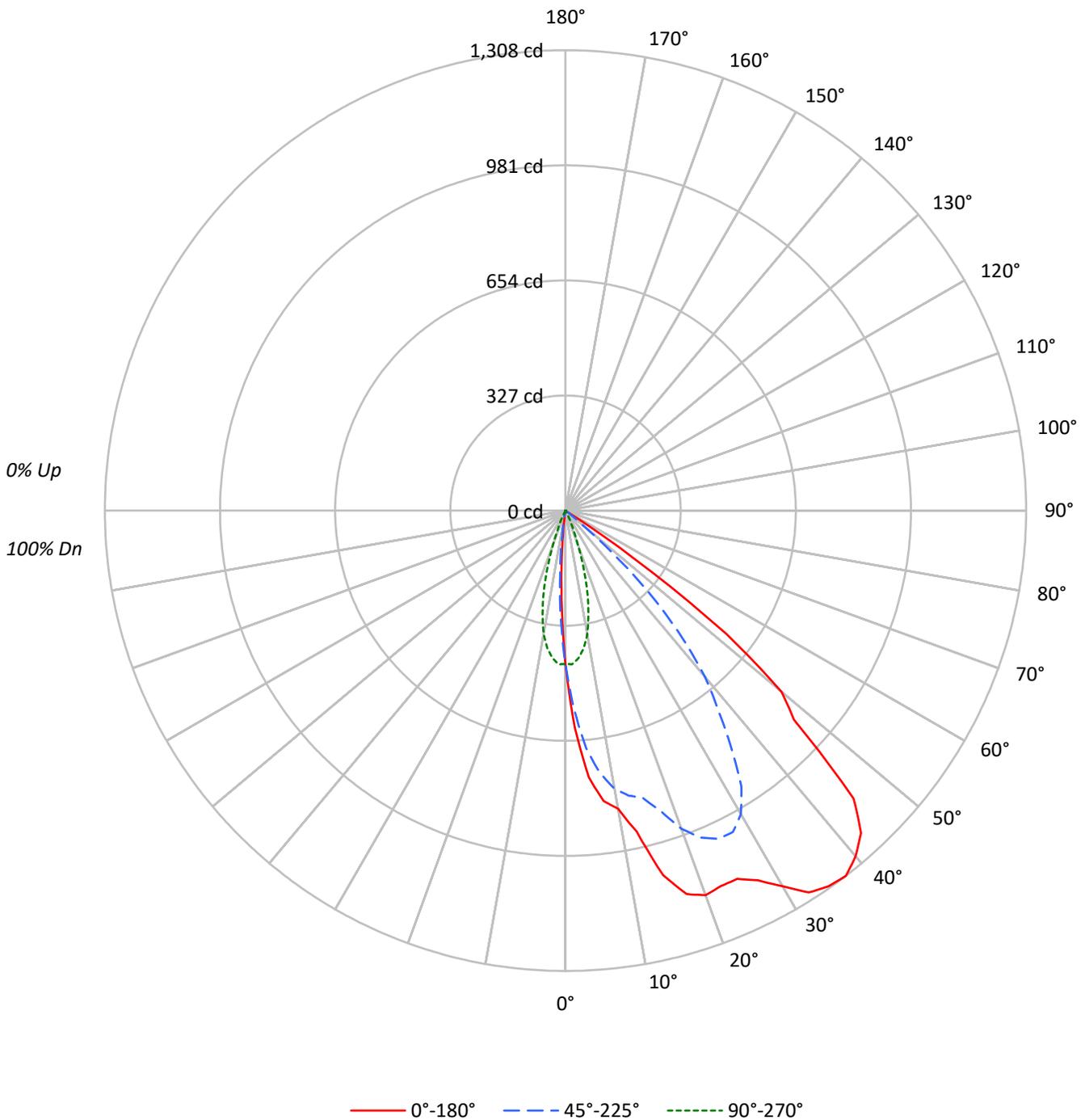
Test Method: LM-79-2019  
Report Number: P1319285  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R559835DE010 3LSQCA30R 1MB  
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 806.1 lumens  
Efficiency: N/A  
Efficacy: 55.6 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 (A<sub>in</sub>): 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	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	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	88	86	84	82
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	81	78	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	75	71	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	59	55	64	59	55	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	59	54	50	48
8	70	58	51	46	68	58	51	46	56	50	46	55	50	46	54	49	45	54	49	45	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	49	42	38	48	42	38	47	42	38	47	42	38	36

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	75003	75003	75003	75003	75003
5°	131476	117196	72800	30254	17409
10°	150484	140271	62257	3305	1189
15°	191225	150573	42685	678	410
20°	213094	176164	18749	0	0
25°	219348	195461	5321	0	0
30°	245082	198070	756	0	0
35°	273907	171980	0	0	0
40°	288130	138445	0	0	0
45°	281701	87438	0	0	0
50°	214505	17871	0	0	0
55°	70261	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: 281701 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	39.8	4.9
10°-20°	116.6	14.5
20°-30°	189.7	23.5
30°-40°	225.4	28.0
40°-50°	184.3	22.9
50°-60°	48.9	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°	346.1	42.9
0°-40°	571.5	70.9
0°-60°	804.6	99.8
0°-90°	806.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	806.1	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	436	436	436	436	436	
5°	760	678	421	175	101	75
15°	1072	844	239	4	2	300
25°	1154	1029	28	0	0	544
35°	1303	818	0	0	0	810
45°	1157	359	0	0	0	830
55°	234	0	0	0	0	263
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°	435.5	435.5	435.5	435.5	435.5	435.5	435.5	435.5	435.5	435.5	435.5
2.5°	618.1	613.5	614.3	612.0	614.3	604.4	593.8	584.0	576.4	565.8	501.4
5°	760.5	752.9	750.6	747.6	744.6	732.4	722.6	710.5	696.1	677.9	559.7
7.5°	832.4	826.4	823.3	824.9	818.0	813.5	800.6	787.0	771.8	752.1	603.7
10°	860.5	854.4	853.6	852.9	852.1	849.1	843.0	830.9	817.3	802.1	628.7
12.5°	933.9	920.3	911.2	900.6	887.7	871.1	857.4	846.8	841.5	829.4	640.0
15°	1072.5	1059.7	1049.8	1036.2	1011.9	976.3	943.8	902.1	865.8	844.5	635.5
17.5°	1142.2	1136.2	1127.8	1118.7	1102.1	1076.3	1043.0	999.1	952.9	893.0	613.5
20°	1162.7	1159.6	1153.6	1149.8	1138.4	1120.3	1097.5	1063.4	1020.3	961.2	579.4
22.5°	1154.3	1156.6	1159.6	1169.5	1171.0	1158.1	1136.9	1104.3	1060.4	1005.9	527.2
25°	1154.3	1152.8	1152.8	1173.3	1186.1	1180.1	1164.9	1135.4	1090.7	1028.6	462.8
27.5°	1183.9	1174.8	1155.9	1177.1	1198.3	1196.0	1182.4	1147.5	1097.5	1029.4	384.0
30°	1232.4	1212.7	1181.6	1201.3	1221.0	1212.7	1190.7	1146.0	1082.4	996.0	287.8
32.5°	1286.1	1277.0	1261.1	1274.0	1271.0	1237.7	1198.3	1136.2	1051.3	929.4	193.9
35°	1302.8	1304.3	1293.7	1291.4	1274.0	1239.9	1198.3	1108.1	986.2	818.0	115.1
37.5°	1308.1	1308.9	1292.2	1271.0	1245.2	1205.1	1155.1	1050.6	865.8	710.5	61.4
40°	1281.6	1280.8	1253.6	1227.8	1199.0	1159.6	1086.9	929.4	751.4	615.8	22.0
42.5°	1242.2	1232.4	1206.6	1174.8	1139.9	1090.7	977.1	784.7	652.9	493.1	1.5
45°	1156.6	1147.5	1127.1	1093.0	1054.4	984.7	805.2	674.1	531.0	359.0	0.0
47.5°	879.4	874.8	896.1	900.6	899.8	820.3	671.8	549.9	390.1	209.1	0.0
50°	800.6	794.6	773.3	746.1	697.6	630.9	538.5	407.5	228.7	66.7	0.0
52.5°	574.9	594.6	599.1	578.7	533.2	467.3	371.1	234.8	79.5	0.0	0.0
55°	234.0	221.9	231.0	242.4	251.5	231.0	171.2	83.3	0.8	0.0	0.0
57.5°	0.0	0.8	4.5	10.6	17.4	22.0	23.5	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°	435.5	435.5	435.5	435.5	435.5
2.5°	437.0	369.6	304.5	268.9	251.5
5°	421.1	282.5	175.0	121.2	100.7
7.5°	394.6	193.9	69.7	28.8	20.5
10°	356.0	111.3	18.9	7.6	6.8
12.5°	300.7	50.7	6.8	5.3	5.3
15°	239.4	17.4	3.8	3.0	2.3
17.5°	168.2	4.5	1.5	0.0	0.0
20°	102.3	0.8	0.0	0.0	0.0
22.5°	56.8	0.0	0.0	0.0	0.0
25°	28.0	0.0	0.0	0.0	0.0
27.5°	12.1	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)