

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: P1310434

Luminaire Tested: LDSQA3D13R609035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310434  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-41)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R609035DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

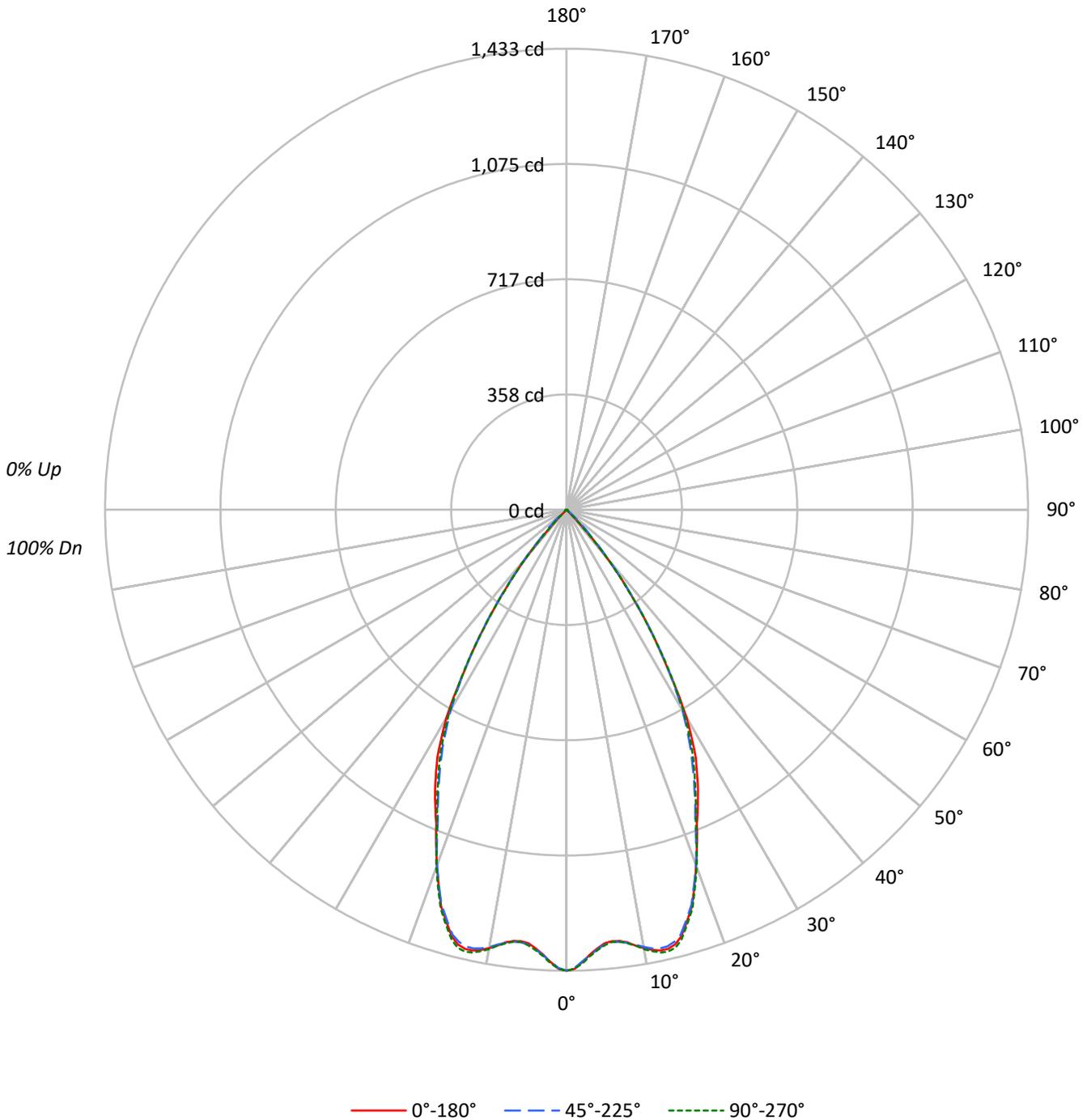
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1278.0 lumens  
Efficiency: N/A  
Efficacy: 87.5 lumens/watt  
Spacing Criteria (0/90/45): 0.94 / 0.92 / 0.9  
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 (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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CATALOG NUMBER: LDSQA3D13R609035DE010 3LSQCDR1MW

### 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	114	111	108	106	111	109	107	105	105	103	101	101	100	98	98	96	95	95	95	95	94
2	108	103	99	96	106	102	98	95	98	95	93	95	93	91	93	91	89	89	89	89	87
3	103	97	92	88	101	95	91	87	93	89	86	90	87	84	88	85	83	83	83	83	82
4	98	90	85	81	96	89	84	80	87	83	79	85	81	79	83	80	78	78	78	78	76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	73	73	73	71
6	88	80	74	70	87	79	73	69	77	73	69	76	72	68	75	71	68	68	68	68	67
7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	64	64	64	62
8	80	71	65	61	79	70	65	61	69	64	60	68	64	60	67	63	60	60	60	60	59
9	76	67	61	57	75	66	61	57	65	60	57	65	60	57	64	60	56	56	56	56	55
10	73	63	58	54	72	63	57	54	62	57	54	61	57	53	61	56	53	53	53	53	52

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

	0°	45°	90°
0°	246761	246761	246761
5°	233873	234564	234910
10°	241998	241299	242523
15°	244946	243876	246372
20°	215697	215514	216613
25°	183547	178226	179746
30°	148135	142964	145351
35°	93748	94589	93538
40°	43840	45639	44514
45°	2679	16075	3166
50°	1340	3751	1340
55°	1501	1501	1501
60°	1378	1378	1378
65°	1223	1630	1223
70°	1511	1511	1511
75°	1331	1331	1331
80°	992	992	992
85°	1976	1976	1976

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 16075 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	130.6	10.2
10°-20°	376.1	29.4
20°-30°	433.6	33.9
30°-40°	278.4	21.8
40°-50°	48.4	3.8
50°-60°	4.6	0.4
60°-70°	3.5	0.3
70°-80°	2.1	0.2
80°-90°	0.7	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°	940.2	73.6
0°-40°	1218.6	95.4
0°-60°	1271.7	99.5
0°-90°	1278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1278.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1433	1433	1433	1433	1433	
5°	1353	1356	1357	1360	1359	130
15°	1374	1369	1368	1377	1382	376
25°	966	955	938	939	946	440
35°	446	443	450	441	445	278
45°	11	33	66	39	13	36
55°	5	5	5	5	5	4
65°	3	4	4	4	3	3
75°	2	2	2	2	2	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1432.8	1432.8	1432.8	1432.8	1432.8
1°	1426.8	1425.8	1424.8	1425.8	1426.8
2°	1406.8	1405.8	1404.8	1408.8	1410.8
3°	1384.8	1385.8	1386.8	1388.8	1389.8
4°	1366.8	1368.8	1369.8	1371.8	1372.8
5°	1352.8	1355.8	1356.8	1359.8	1358.8
6°	1348.8	1350.8	1351.8	1352.8	1350.8
7°	1350.8	1351.8	1352.8	1354.8	1352.8
8°	1357.8	1358.8	1359.8	1360.8	1360.8
9°	1371.8	1369.8	1368.8	1372.8	1371.8
10°	1383.8	1380.8	1379.8	1385.8	1386.8
11°	1393.8	1389.8	1388.8	1395.8	1397.8
12°	1400.8	1394.8	1393.8	1402.8	1406.8
13°	1400.8	1392.8	1392.8	1402.8	1408.8
14°	1392.8	1383.8	1383.8	1394.8	1401.8
15°	1373.8	1368.8	1367.8	1376.8	1381.8
17.5°	1293.8	1287.8	1288.8	1298.8	1299.8
20°	1176.9	1173.9	1175.9	1177.9	1181.9
22.5°	1057.9	1055.9	1044.9	1047.9	1049.9
25°	965.9	954.9	937.9	938.9	945.9
27.5°	868.9	857.9	833.9	838.9	845.9
30°	744.9	735.9	718.9	721.9	730.9
32.5°	584.9	602.9	586.9	591.9	588.9
35°	445.9	442.9	449.9	440.9	444.9
37.5°	314.0	315.0	318.0	310.0	310.0
40°	195.0	200.0	203.0	199.0	198.0
42.5°	82.0	112.0	118.0	112.0	83.0
45°	11.0	33.0	66.0	39.0	13.0
47.5°	5.0	7.0	35.0	7.0	5.0
50°	5.0	5.0	14.0	5.0	5.0
52.5°	5.0	5.0	5.0	5.0	5.0
55°	5.0	5.0	5.0	5.0	5.0
57.5°	5.0	5.0	5.0	5.0	5.0
60°	4.0	4.0	4.0	4.0	4.0
62.5°	4.0	4.0	4.0	4.0	4.0
65°	3.0	4.0	4.0	4.0	3.0
67.5°	3.0	3.0	3.0	3.0	3.0
70°	3.0	3.0	3.0	3.0	3.0
72.5°	2.0	2.0	2.0	2.0	2.0
75°	2.0	2.0	2.0	2.0	2.0
77.5°	2.0	2.0	2.0	2.0	2.0
80°	1.0	1.0	1.0	1.0	1.0
82.5°	1.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)