

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: P1308198

Luminaire Tested: LDSQA3D13R609027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308198  
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: LDSQA3D13R609027DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R60 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

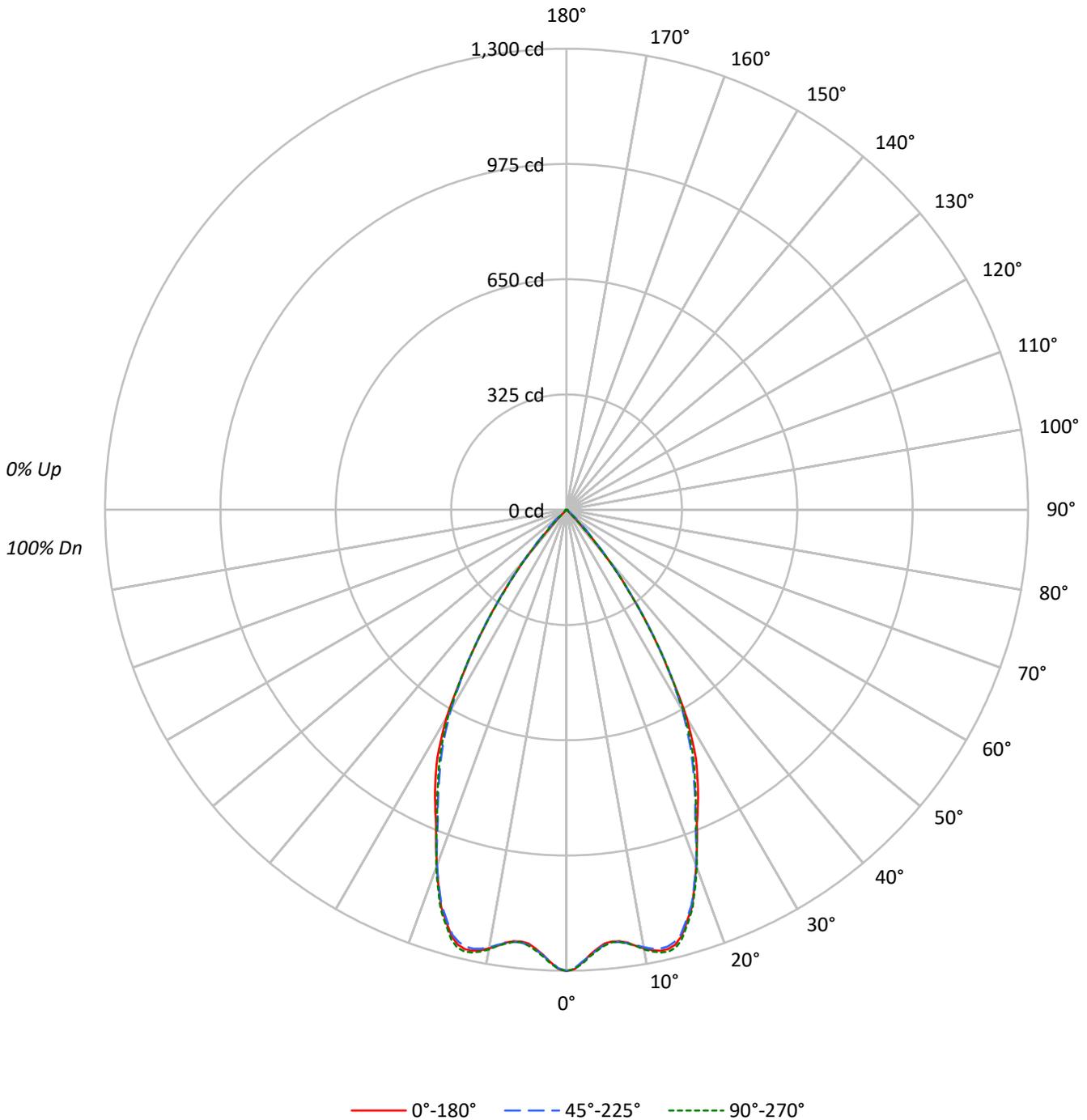
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1159.9 lumens  
Efficiency: N/A  
Efficacy: 79.4 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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### 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°	223976	223976	223976
5°	212280	212920	213231
10°	219666	219019	220138
15°	222338	221357	223621
20°	195775	195610	196600
25°	166596	161770	163138
30°	134453	129760	131927
35°	85107	85864	84918
40°	39793	41412	40400
45°	2436	14589	2874
50°	1206	3403	1206
55°	1351	1351	1351
60°	1240	1240	1240
65°	1100	1467	1100
70°	1360	1360	1360
75°	1198	1198	1198
80°	893	893	893
85°	1778	1778	1778

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 14589 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	118.5	10.2
10°-20°	341.4	29.4
20°-30°	393.5	33.9
30°-40°	252.7	21.8
40°-50°	44.0	3.8
50°-60°	4.2	0.4
60°-70°	3.2	0.3
70°-80°	1.9	0.2
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°	853.4	73.6
0°-40°	1106.1	95.4
0°-60°	1154.2	99.5
0°-90°	1159.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1159.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1300	1300	1300	1300	1300	
5°	1228	1231	1232	1234	1233	118
15°	1247	1242	1242	1250	1254	342
25°	877	867	851	852	858	400
35°	405	402	408	400	404	253
45°	10	30	60	35	12	33
55°	4	4	4	4	4	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°	1300.5	1300.5	1300.5	1300.5	1300.5
1°	1295.1	1294.2	1293.3	1294.2	1295.1
2°	1276.9	1276.0	1275.1	1278.7	1280.6
3°	1257.0	1257.9	1258.8	1260.6	1261.5
4°	1240.6	1242.4	1243.4	1245.2	1246.1
5°	1227.9	1230.6	1231.6	1234.3	1233.4
6°	1224.3	1226.1	1227.0	1227.9	1226.1
7°	1226.1	1227.0	1227.9	1229.7	1227.9
8°	1232.5	1233.4	1234.3	1235.2	1235.2
9°	1245.2	1243.4	1242.4	1246.1	1245.2
10°	1256.1	1253.3	1252.4	1257.9	1258.8
11°	1265.1	1261.5	1260.6	1266.9	1268.8
12°	1271.5	1266.0	1265.1	1273.3	1276.9
13°	1271.5	1264.2	1264.2	1273.3	1278.7
14°	1264.2	1256.1	1256.1	1266.0	1272.4
15°	1247.0	1242.4	1241.5	1249.7	1254.2
17.5°	1174.4	1168.9	1169.8	1178.9	1179.8
20°	1068.2	1065.5	1067.3	1069.1	1072.7
22.5°	960.2	958.4	948.4	951.1	952.9
25°	876.7	866.7	851.3	852.2	858.5
27.5°	788.7	778.7	756.9	761.4	767.8
30°	676.1	668.0	652.5	655.3	663.4
32.5°	530.9	547.3	532.7	537.3	534.5
35°	404.8	402.0	408.4	400.2	403.9
37.5°	285.0	285.9	288.6	281.3	281.3
40°	177.0	181.5	184.2	180.6	179.7
42.5°	74.4	101.6	107.1	101.6	75.3
45°	10.0	29.9	59.9	35.4	11.8
47.5°	4.5	6.4	31.8	6.4	4.5
50°	4.5	4.5	12.7	4.5	4.5
52.5°	4.5	4.5	4.5	4.5	4.5
55°	4.5	4.5	4.5	4.5	4.5
57.5°	4.5	4.5	4.5	4.5	4.5
60°	3.6	3.6	3.6	3.6	3.6
62.5°	3.6	3.6	3.6	3.6	3.6
65°	2.7	3.6	3.6	3.6	2.7
67.5°	2.7	2.7	2.7	2.7	2.7
70°	2.7	2.7	2.7	2.7	2.7
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.8	1.8	1.8	1.8	1.8
80°	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.9	0.9
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)