

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: P1311375

Luminaire Tested: LDSQA3D09R559040DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

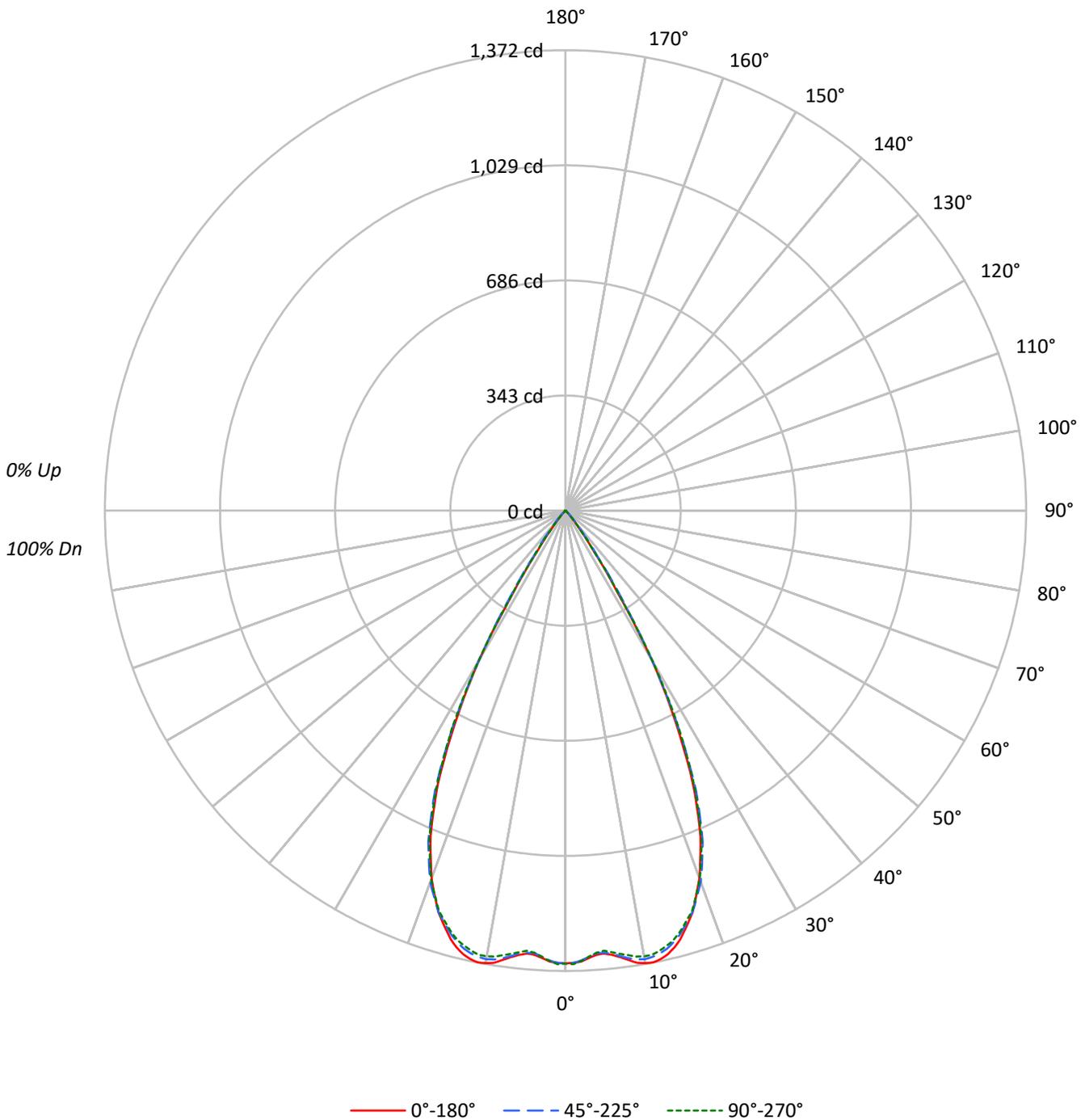
Test Method: LM-79-2019  
Report Number: P1311375  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R559040DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1035.1 lumens  
Efficiency: N/A  
Efficacy: 93.3 lumens/watt  
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 11.1  
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	109	107	112	109	107	105	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

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

	0°	45°	90°
0°	232449	232449	232449
5°	229119	228704	227614
10°	239462	237399	235895
15°	235728	233624	232643
20°	213754	215917	214322
25°	170929	174520	172867
30°	102515	102515	103768
35°	29624	35069	30612
40°	8498	11511	8498
45°	1924	4408	1924
50°	831	1474	643
55°	721	721	721
60°	827	827	827
65°	652	652	652
70°	806	806	806
75°	532	532	532
80°	793	793	793
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 4408 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.0	12.4
10°-20°	364.7	35.2
20°-30°	401.9	38.8
30°-40°	122.9	11.9
40°-50°	12.2	1.2
50°-60°	2.3	0.2
60°-70°	1.8	0.2
70°-80°	1.0	0.1
80°-90°	0.3	0.0
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°	894.6	86.4
0°-40°	1017.5	98.3
0°-60°	1031.9	99.7
0°-90°	1035.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1035.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1350	1350	1350	1350	1350	
5°	1325	1325	1323	1319	1317	128
15°	1322	1320	1310	1305	1305	366
25°	900	908	918	927	910	396
35°	141	148	167	154	146	116
45°	8	12	18	12	8	9
55°	2	2	2	2	2	2
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1349.7	1349.7	1349.7	1349.7	1349.7
1°	1348.1	1348.9	1348.1	1346.5	1352.0
2°	1344.9	1344.2	1341.8	1341.0	1343.4
3°	1334.7	1334.7	1331.6	1330.0	1330.8
4°	1326.8	1326.8	1322.1	1320.5	1321.3
5°	1325.3	1325.3	1322.9	1319.0	1316.6
6°	1331.6	1333.1	1327.6	1323.7	1323.7
7°	1341.0	1341.8	1337.9	1332.4	1330.8
8°	1352.8	1353.6	1347.3	1341.0	1337.9
9°	1364.6	1363.0	1354.4	1348.1	1345.7
10°	1369.3	1368.6	1357.5	1351.2	1348.9
11°	1371.7	1367.8	1355.2	1349.7	1348.9
12°	1366.2	1363.0	1349.7	1344.2	1341.8
13°	1356.7	1352.0	1341.0	1335.5	1332.4
14°	1341.8	1337.1	1326.8	1320.5	1321.3
15°	1322.1	1319.8	1310.3	1304.8	1304.8
17.5°	1256.8	1258.4	1256.0	1253.7	1252.1
20°	1166.3	1172.6	1178.1	1175.0	1169.4
22.5°	1050.6	1061.6	1067.9	1069.5	1059.3
25°	899.5	908.2	918.4	927.1	909.7
27.5°	711.4	719.3	728.7	734.2	731.9
30°	515.5	516.3	515.5	525.7	521.8
32.5°	286.5	310.1	314.0	321.1	295.9
35°	140.9	148.0	166.8	153.5	145.6
37.5°	67.7	72.4	90.5	74.0	70.8
40°	37.8	40.9	51.2	42.5	37.8
42.5°	18.1	23.6	27.5	24.4	18.1
45°	7.9	11.8	18.1	11.8	7.9
47.5°	3.1	4.7	11.0	4.7	3.1
50°	3.1	2.4	5.5	2.4	2.4
52.5°	2.4	2.4	3.1	2.4	2.4
55°	2.4	2.4	2.4	2.4	2.4
57.5°	2.4	2.4	2.4	2.4	2.4
60°	2.4	2.4	2.4	2.4	2.4
62.5°	1.6	2.4	2.4	2.4	1.6
65°	1.6	1.6	1.6	1.6	1.6
67.5°	1.6	1.6	1.6	1.6	1.6
70°	1.6	1.6	1.6	1.6	1.6
72.5°	0.8	1.6	0.8	0.8	0.8
75°	0.8	0.8	0.8	0.8	0.8
77.5°	0.8	0.8	0.8	0.8	0.8
80°	0.8	0.8	0.8	0.8	0.8
82.5°	0.8	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0
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)