

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: P1310218

Luminaire Tested: LDSQA3D09R359035DE010 3LSQPHRL1MMS

Issue Date: 1/29/2026

**Test Information**

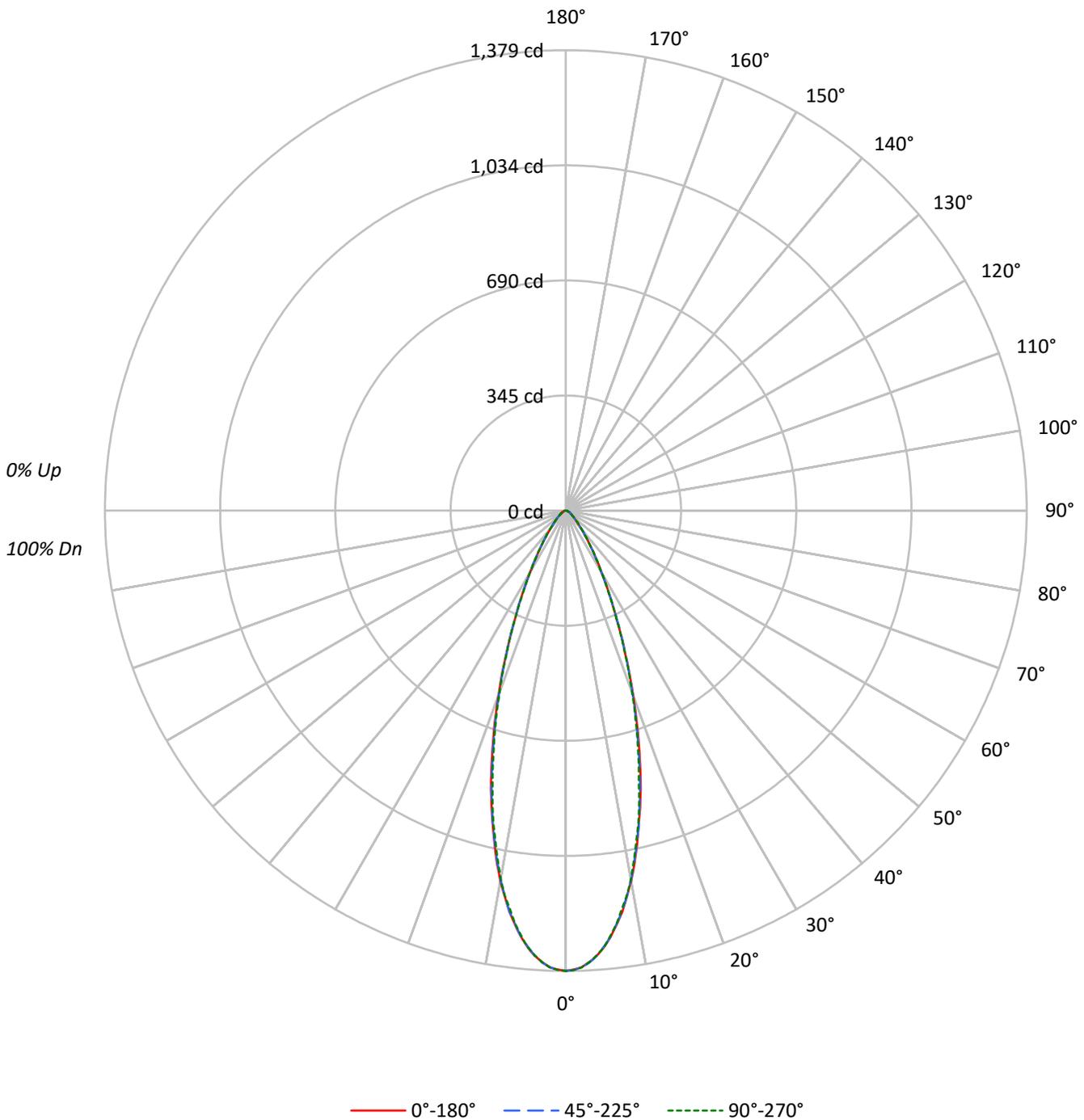
Test Method: LM-79-2019  
Report Number: P1310218  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R359035DE010 3LSQPHRL1MMS  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 680.1 lumens  
Efficiency: N/A  
Efficacy: 61.3 lumens/watt  
Spacing Criteria (0/90/45): 0.59 / 0.58 / 0.6  
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 (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				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	106	104	105	103	101	101	99	98	97	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	85	88	86	83	83	83	83	82
4	98	91	86	82	96	90	85	81	88	84	80	86	82	79	84	81	78	78	78	78	77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	74	74	74	73
6	90	81	76	72	88	81	75	71	79	74	71	78	74	70	76	73	70	70	70	70	69
7	86	77	72	68	85	77	71	67	75	71	67	74	70	67	73	69	66	66	66	66	65
8	82	73	68	64	81	73	68	64	72	67	64	71	67	63	70	66	63	63	63	63	62
9	79	70	65	61	78	70	64	61	69	64	61	68	63	60	67	63	60	60	60	60	59
10	76	67	62	58	75	67	61	58	66	61	58	65	61	58	64	60	57	57	57	57	56

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

	0°	45°	90°
0°	237461	237461	237461
5°	226906	226525	226906
10°	196984	196337	196057
15°	154353	153140	150733
20°	107986	107015	106336
25°	68581	69018	68581
30°	42259	42557	42259
35°	26133	26302	26302
40°	16592	16772	16772
45°	11204	11374	11569
50°	8065	8279	8279
55°	6336	6336	6336
60°	5201	5201	5201
65°	4605	4605	4605
70°	4179	4179	4179
75°	3527	3527	3527
80°	2975	2975	2975
85°	1581	1581	2964

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 67.5°  
 Vertical Angle: 45°  
 Luminance: 11569 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.2	17.5
10°-20°	234.6	34.5
20°-30°	169.3	24.9
30°-40°	81.6	12.0
40°-50°	37.6	5.5
50°-60°	19.5	2.9
60°-70°	11.2	1.7
70°-80°	5.7	0.8
80°-90°	1.4	0.2
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°	523.1	76.9
0°-40°	604.7	88.9
0°-60°	661.8	97.3
0°-90°	680.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	680.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1379	1379	1379	1379	1379	
5°	1312	1316	1310	1311	1312	119
15°	866	864	859	855	845	236
25°	361	362	363	363	361	169
35°	124	124	125	125	125	81
45°	46	47	47	48	48	37
55°	21	21	21	21	21	19
65°	11	11	11	11	11	11
75°	5	5	5	5	5	6
85°	1	1	1	1	2	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1378.8	1378.8	1378.8	1378.8	1378.8
1°	1375.1	1377.3	1376.6	1377.3	1376.6
2°	1368.3	1369.8	1368.3	1369.0	1369.0
3°	1354.0	1355.5	1355.5	1354.7	1354.0
4°	1336.6	1340.4	1336.6	1337.4	1335.1
5°	1312.5	1315.5	1310.3	1311.0	1312.5
6°	1283.1	1283.9	1282.4	1281.6	1280.1
7°	1249.2	1252.2	1247.0	1247.7	1246.2
8°	1213.1	1212.3	1212.3	1209.3	1204.8
9°	1169.4	1172.4	1167.9	1166.4	1167.1
10°	1126.4	1126.4	1122.7	1118.9	1121.1
11°	1077.4	1075.9	1073.7	1068.4	1066.9
12°	1024.0	1027.0	1020.2	1017.9	1012.6
13°	968.9	973.5	970.5	962.2	962.9
14°	917.7	914.7	912.4	910.9	905.7
15°	865.7	864.2	858.9	855.2	845.4
17.5°	723.3	724.8	715.0	713.5	709.8
20°	589.2	584.7	583.9	584.7	580.2
22.5°	464.9	469.4	464.1	464.9	461.9
25°	360.9	361.7	363.2	363.2	360.9
27.5°	280.3	280.3	278.8	280.3	278.0
30°	212.5	212.5	214.0	215.5	212.5
32.5°	164.3	164.3	164.3	165.0	165.8
35°	124.3	124.3	125.1	125.1	125.1
37.5°	95.7	96.4	97.2	97.2	97.2
40°	73.8	74.6	74.6	75.3	74.6
42.5°	58.8	58.8	58.8	59.5	59.5
45°	46.0	46.7	46.7	47.5	47.5
47.5°	37.7	37.7	37.7	38.4	38.4
50°	30.1	30.9	30.9	30.9	30.9
52.5°	24.9	24.9	25.6	25.6	25.6
55°	21.1	21.1	21.1	21.1	21.1
57.5°	17.3	18.1	18.1	18.1	18.1
60°	15.1	15.1	15.1	15.1	15.1
62.5°	12.8	12.8	12.8	12.8	12.8
65°	11.3	11.3	11.3	11.3	11.3
67.5°	9.0	9.8	9.8	9.8	9.8
70°	8.3	8.3	8.3	8.3	8.3
72.5°	6.0	6.8	6.8	6.8	6.8
75°	5.3	5.3	5.3	5.3	5.3
77.5°	4.5	3.8	3.8	3.8	4.5
80°	3.0	3.0	3.0	3.0	3.0
82.5°	2.3	2.3	2.3	2.3	2.3
85°	0.8	0.8	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.8	0.8



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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)