

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: P1323655

Luminaire Tested: LDSQA3D05R459030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

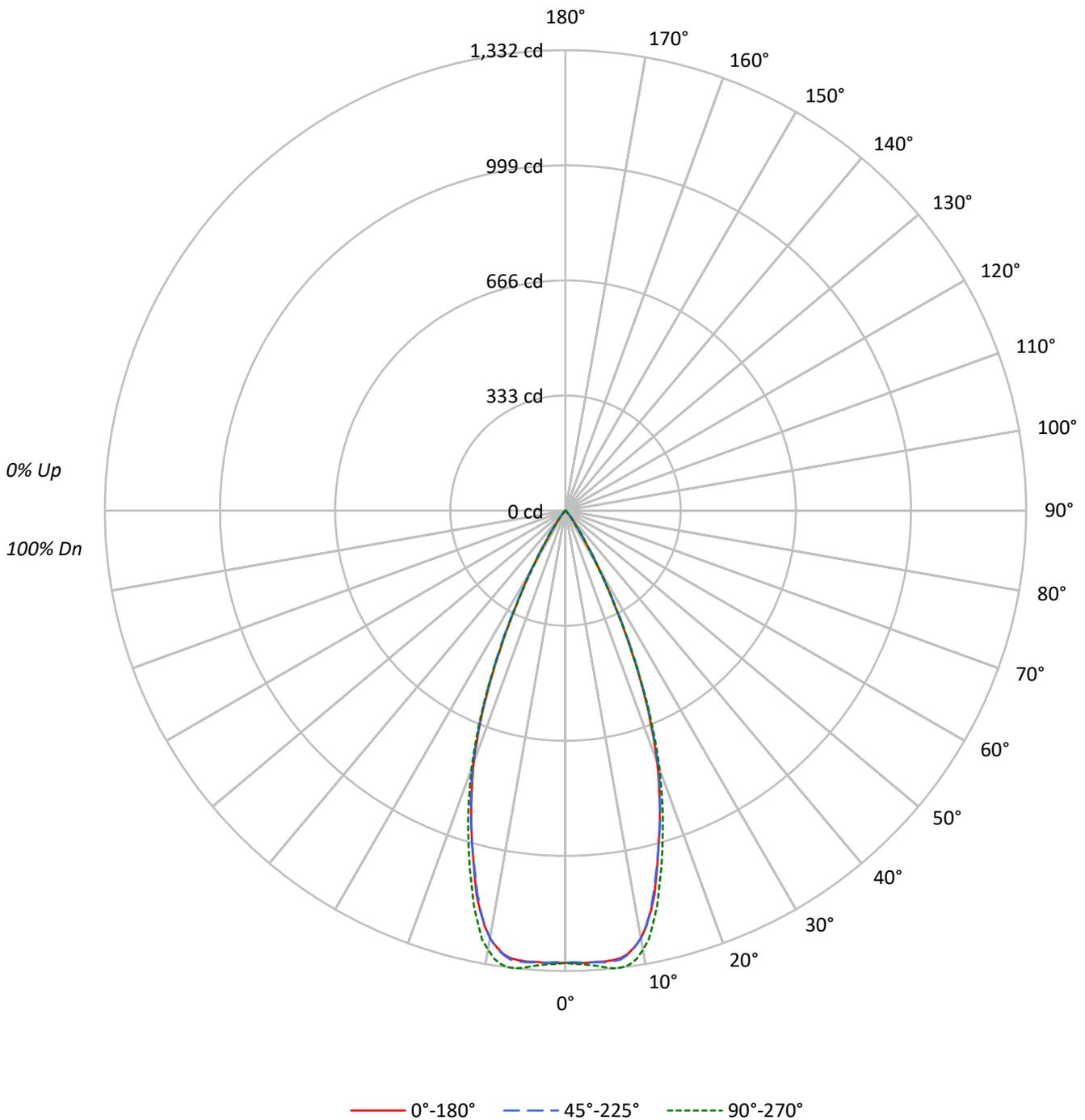
Test Method: LM-79-2019  
Report Number: P1323655  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R459030D2WDE010 3LSQCDR1MW  
Description: 3in Adjustable Dim to Warm LED luminaire with, R45 optic, 3000K CCT AND, 90CRI ,  
3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 677.0 lumens  
Efficiency: N/A  
Efficacy: 61.0 lumens/watt  
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67  
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	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	87	83	81	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	70	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

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

	0°	45°	90°
0°	225284	225284	225284
5°	226404	226819	229412
10°	219684	219509	225612
15°	184111	184021	190779
20°	142313	143780	145796
25°	87241	89046	87431
30°	37407	39097	36233
35°	11753	14171	11437
40°	4047	5171	3934
45°	731	2192	609
50°	402	804	402
55°	450	450	450
60°	344	344	344
65°	408	408	408
70°	252	252	252
75°	333	333	333
80°	496	496	496
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 2192 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.3	18.4
10°-20°	287.3	42.4
20°-30°	210.3	31.1
30°-40°	46.5	6.9
40°-50°	5.7	0.8
50°-60°	1.3	0.2
60°-70°	1.0	0.1
70°-80°	0.5	0.1
80°-90°	0.1	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°	621.9	91.9
0°-40°	668.4	98.7
0°-60°	675.4	99.8
0°-90°	677.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	677.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1308	1308	1308	1308	1308	
5°	1310	1309	1312	1322	1327	124
15°	1033	1027	1032	1057	1070	285
25°	459	459	469	465	460	208
35°	56	59	67	59	54	44
45°	3	5	9	5	2	4
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1308.1	1308.1	1308.1	1308.1	1308.1
1°	1309.1	1307.1	1306.6	1310.1	1312.5
2°	1310.1	1307.6	1308.1	1311.5	1313.0
3°	1309.1	1306.6	1309.1	1314.0	1316.0
4°	1308.6	1307.6	1310.1	1317.0	1320.5
5°	1309.6	1308.6	1312.0	1321.5	1327.0
6°	1308.1	1306.6	1311.5	1323.5	1331.5
7°	1304.6	1303.1	1308.6	1323.0	1332.0
8°	1295.1	1292.1	1297.6	1315.5	1326.5
9°	1278.1	1274.1	1279.6	1300.6	1313.5
10°	1256.2	1251.7	1255.2	1275.6	1290.1
11°	1224.7	1218.7	1222.7	1244.7	1263.6
12°	1184.8	1176.3	1181.3	1206.2	1219.7
13°	1141.4	1133.4	1134.4	1156.8	1175.8
14°	1087.5	1077.0	1081.5	1104.9	1119.9
15°	1032.6	1027.1	1032.1	1057.0	1070.0
17.5°	906.8	906.3	910.8	929.3	936.3
20°	776.5	778.0	784.5	794.5	795.5
22.5°	622.3	622.8	629.8	636.8	635.3
25°	459.1	458.6	468.6	465.1	460.1
27.5°	304.4	306.4	315.4	308.9	303.9
30°	188.1	192.1	196.6	188.6	182.2
32.5°	101.8	108.3	114.8	107.8	101.3
35°	55.9	58.9	67.4	58.9	54.4
37.5°	32.4	33.9	39.4	33.9	30.9
40°	18.0	20.5	23.0	20.5	17.5
42.5°	7.5	11.5	14.0	11.5	7.5
45°	3.0	5.0	9.0	5.0	2.5
47.5°	1.5	2.0	5.5	2.0	1.5
50°	1.5	1.5	3.0	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.0	1.0	1.0	1.5	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	0.5	0.5	0.5	1.0	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.0	0.0	0.0	0.0
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)