

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: P1310039

Luminaire Tested: LDSQA3D05R309035DE010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

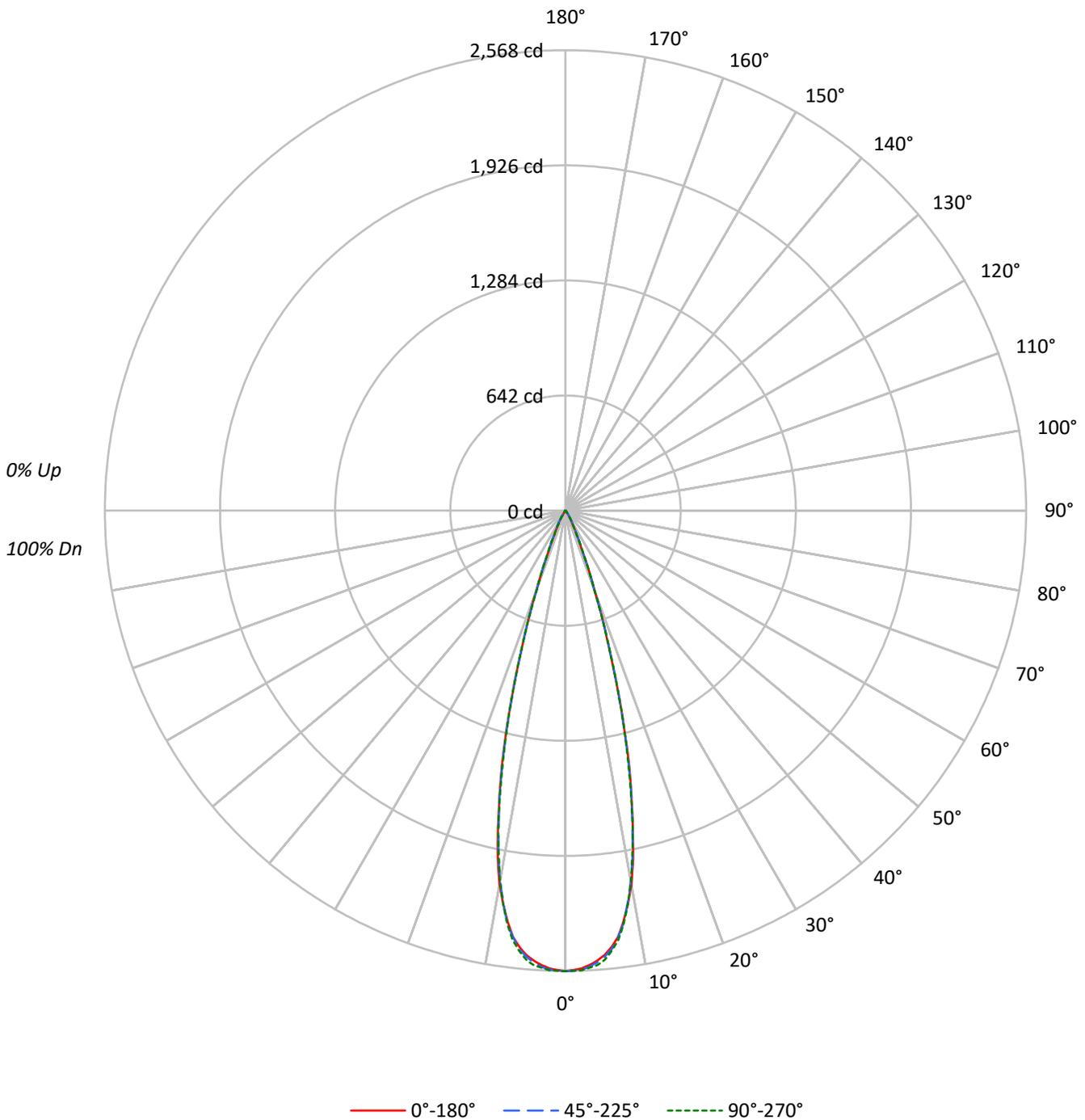
Test Method: LM-79-2019  
Report Number: P1310039  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R309035DE010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 667.9 lumens  
Efficiency: N/A  
Efficacy: 92.8 lumens/watt  
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 7.2  
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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	95	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	93	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	94	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

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

	0°	45°	90°
0°	442354	442354	442354
5°	430230	432098	434777
10°	369957	366792	367159
15°	227312	225476	225672
20°	86524	86708	85095
25°	27516	28979	27611
30°	11077	13742	11375
35°	3574	6076	3574
40°	1619	2675	1619
45°	633	1120	633
50°	268	563	268
55°	300	300	300
60°	344	344	344
65°	204	204	204
70°	252	252	252
75°	333	333	333
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 1120 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	226.6	33.9
10°-20°	336.1	50.3
20°-30°	83.5	12.5
30°-40°	16.7	2.5
40°-50°	3.0	0.5
50°-60°	0.9	0.1
60°-70°	0.7	0.1
70°-80°	0.5	0.1
80°-90°	0.0	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°	646.2	96.7
0°-40°	662.8	99.2
0°-60°	666.8	99.8
0°-90°	667.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	667.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2568	2568	2568	2568	2568	
5°	2489	2497	2499	2503	2515	226
15°	1275	1278	1265	1269	1266	337
25°	145	148	152	150	145	81
35°	17	22	29	22	17	14
45°	3	3	5	4	3	2
55°	1	1	1	1	1	1
65°	0	0	0	0	0	1
75°	0	0	0	0	0	0
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°	2568.5	2568.5	2568.5	2568.5	2568.5
1°	2562.8	2565.9	2567.9	2567.9	2567.9
2°	2555.6	2557.6	2560.7	2561.2	2565.4
3°	2538.6	2543.2	2548.4	2551.4	2553.5
4°	2517.9	2524.1	2527.2	2535.0	2541.7
5°	2488.6	2496.8	2499.4	2503.0	2514.9
6°	2448.9	2455.1	2460.2	2461.8	2469.0
7°	2396.3	2399.4	2398.4	2401.0	2413.8
8°	2316.4	2317.5	2326.2	2320.6	2329.3
9°	2221.6	2217.5	2215.4	2219.6	2220.1
10°	2115.5	2101.6	2097.4	2093.8	2099.5
11°	1977.9	1959.8	1961.4	1960.4	1952.1
12°	1806.8	1804.7	1791.3	1793.9	1806.3
13°	1632.1	1635.7	1633.1	1636.2	1622.3
14°	1468.2	1450.7	1455.3	1437.8	1444.5
15°	1274.9	1277.5	1264.6	1268.8	1265.7
17.5°	816.3	822.0	817.8	814.2	819.9
20°	472.1	471.5	473.1	468.4	464.3
22.5°	248.4	252.0	256.6	257.2	260.2
25°	144.8	147.9	152.5	150.5	145.3
27.5°	88.6	94.3	101.5	96.4	90.2
30°	55.7	60.3	69.1	60.8	57.2
32.5°	31.4	38.1	45.3	38.1	31.4
35°	17.0	22.2	28.9	21.6	17.0
37.5°	11.3	12.9	19.1	12.9	11.3
40°	7.2	8.8	11.9	8.8	7.2
42.5°	4.1	5.7	6.7	5.7	4.1
45°	2.6	3.1	4.6	3.6	2.6
47.5°	1.0	1.5	3.1	1.5	1.5
50°	1.0	1.0	2.1	1.0	1.0
52.5°	1.0	1.0	1.0	1.0	1.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	1.0	1.0	1.0	1.0	1.0
60°	1.0	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	0.5	0.5	0.5	0.5	0.5
67.5°	0.5	0.5	0.5	0.5	0.5
70°	0.5	0.5	0.5	0.5	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°	0.0	0.0	0.0	0.0	0.0
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)