

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: P1308629

Luminaire Tested: LDSQA3D24R509027D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

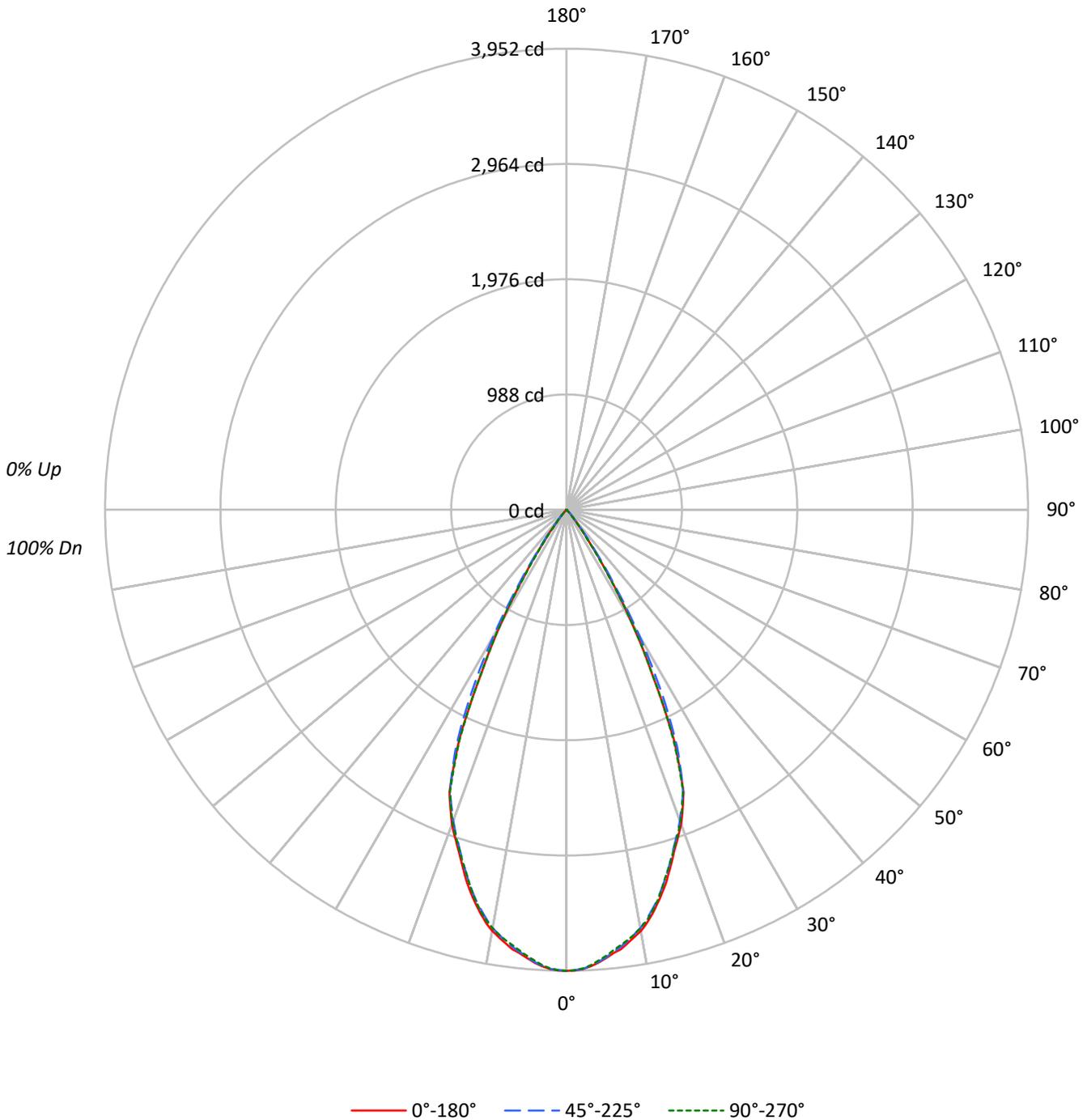
Test Method: LM-79-2019  
Report Number: P1308629  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R509027D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2546.9 lumens  
Efficiency: N/A  
Efficacy: 88.4 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 28.8  
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	112	109	107	112	109	107	106	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	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

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

	0°	45°	90°
0°	680658	680658	680658
5°	667319	666074	664207
10°	641213	636789	637103
15°	588633	583141	582500
20°	525872	520228	522885
25°	413308	425337	409869
30°	221119	247727	221835
35°	72219	84392	68035
40°	17896	22347	17064
45°	2192	7916	2192
50°	1447	2411	1447
55°	1621	1621	1621
60°	1240	1240	1240
65°	1467	1467	1467
70°	906	906	906
75°	1198	1198	1198
80°	1785	1785	1785
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 7916 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	361.4	14.2
10°-20°	914.0	35.9
20°-30°	961.3	37.7
30°-40°	277.0	10.9
40°-50°	22.5	0.9
50°-60°	4.8	0.2
60°-70°	3.5	0.1
70°-80°	1.9	0.1
80°-90°	0.5	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°	2236.7	87.8
0°-40°	2513.8	98.7
0°-60°	2541.1	99.8
0°-90°	2546.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2546.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3952	3952	3952	3952	3952	
5°	3860	3858	3853	3856	3842	362
15°	3301	3280	3271	3271	3267	919
25°	2175	2229	2238	2213	2157	943
35°	344	356	401	344	324	266
45°	9	18	32	18	9	17
55°	5	5	5	5	5	5
65°	4	4	4	4	4	3
75°	2	2	2	2	2	2
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°	3952.2	3952.2	3952.2	3952.2	3952.2
1°	3950.4	3954.1	3946.8	3959.5	3948.6
2°	3941.4	3943.2	3939.6	3948.6	3934.2
3°	3919.7	3923.3	3916.1	3923.3	3910.7
4°	3894.4	3894.4	3887.2	3892.6	3876.3
5°	3860.0	3858.2	3852.8	3856.4	3842.0
6°	3823.9	3822.1	3813.0	3813.0	3802.2
7°	3796.8	3784.1	3776.9	3775.1	3764.2
8°	3753.4	3749.8	3735.3	3735.3	3728.1
9°	3710.0	3706.4	3690.1	3693.7	3688.3
10°	3666.6	3653.9	3641.3	3643.1	3643.1
11°	3608.7	3597.9	3579.8	3587.0	3590.6
12°	3540.0	3527.4	3511.1	3525.6	3523.8
13°	3464.1	3453.2	3440.6	3451.4	3447.8
14°	3384.5	3368.3	3357.4	3364.7	3361.0
15°	3301.4	3279.7	3270.6	3270.6	3267.0
17.5°	3068.1	3055.5	3046.4	3041.0	3053.7
20°	2869.3	2858.4	2838.5	2844.0	2853.0
22.5°	2619.8	2618.0	2607.1	2598.1	2608.9
25°	2175.0	2229.2	2238.3	2213.0	2156.9
27.5°	1580.2	1706.7	1751.9	1692.3	1589.2
30°	1111.9	1171.6	1245.7	1128.2	1115.5
32.5°	670.8	687.0	755.7	674.4	656.3
35°	343.5	356.2	401.4	343.5	323.6
37.5°	160.9	168.1	186.2	160.9	150.1
40°	79.6	88.6	99.4	83.2	75.9
42.5°	34.4	45.2	57.9	43.4	30.7
45°	9.0	18.1	32.5	18.1	9.0
47.5°	5.4	7.2	18.1	7.2	5.4
50°	5.4	5.4	9.0	5.4	5.4
52.5°	5.4	5.4	5.4	5.4	5.4
55°	5.4	5.4	5.4	5.4	5.4
57.5°	5.4	5.4	5.4	5.4	5.4
60°	3.6	5.4	3.6	5.4	3.6
62.5°	3.6	3.6	3.6	3.6	3.6
65°	3.6	3.6	3.6	3.6	3.6
67.5°	3.6	3.6	3.6	3.6	3.6
70°	1.8	1.8	1.8	1.8	1.8
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°	1.8	1.8	1.8	1.8	1.8
82.5°	0.0	1.8	0.0	1.8	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)