

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: P1308611

Luminaire Tested: LDSQA3D24R409027D010 3LSQCDR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1308611  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D24R409027D010 3LSQCDR1MW  
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM  
Light Source: -  
Ballast/Driver: -

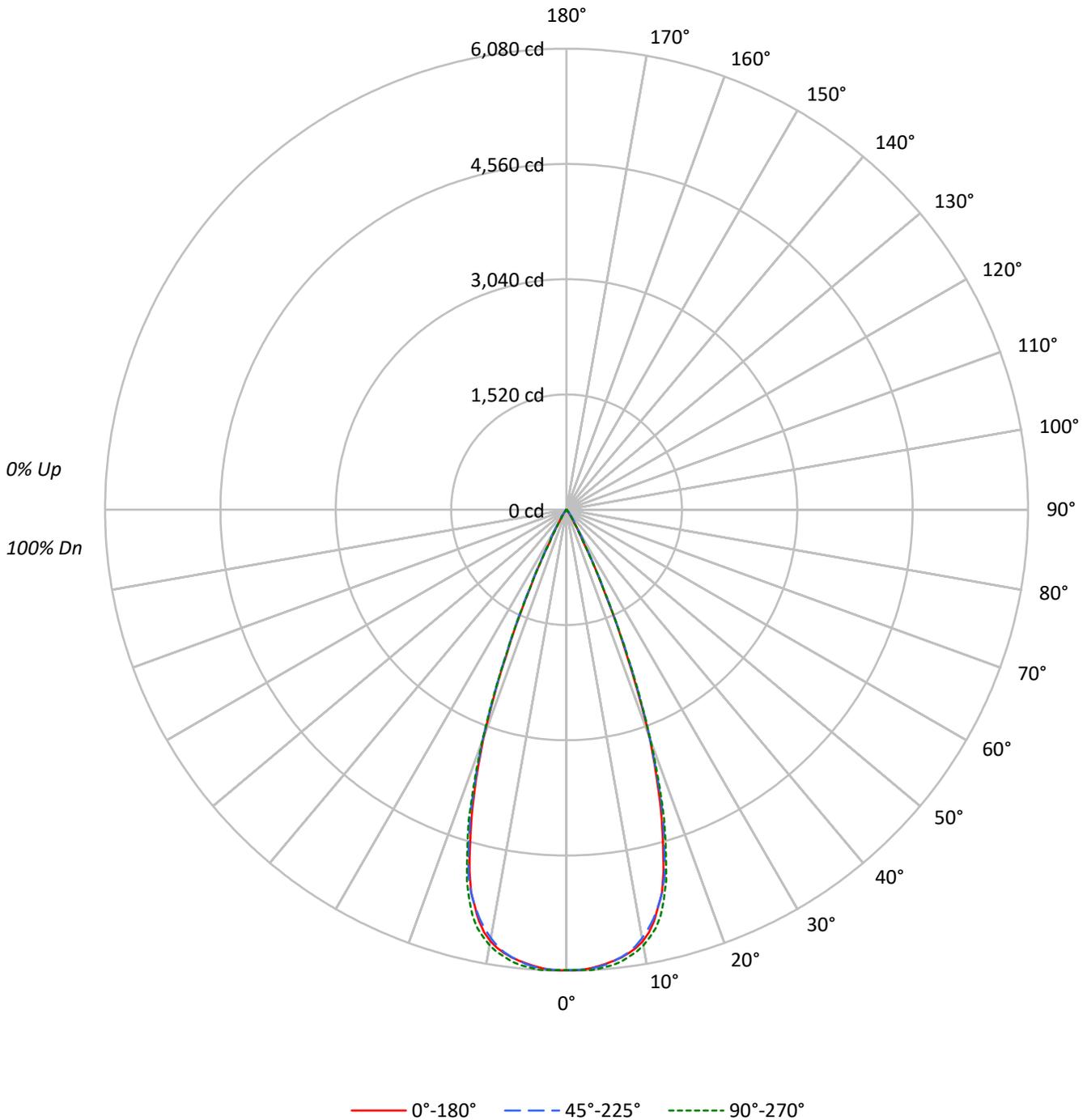
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2570.0 lumens  
Efficiency: N/A  
Efficacy: 89.2 lumens/watt  
Spacing Criteria (0/90/45): 0.69 / 0.69 / 0.6  
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	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	69	68

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

	0°	45°	90°
0°	1045805	1045805	1045805
5°	1038856	1040429	1046048
10°	1010733	1003144	1019897
15°	880649	889671	903525
20°	586610	589579	595206
25°	213267	219785	214293
30°	45282	60734	45282
35°	15958	26974	15201
40°	5688	8543	5688
45°	1315	3532	1315
50°	965	1447	965
55°	1081	1081	1081
60°	1240	1240	1240
65°	734	1467	734
70°	906	906	906
75°	1198	1198	1198
80°	0	0	0
85°	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 45°  
 Vertical Angle: 45°  
 Luminance: 3532 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	567.4	22.1
10°-20°	1322.3	51.5
20°-30°	595.1	23.2
30°-40°	67.7	2.6
40°-50°	9.7	0.4
50°-60°	3.3	0.1
60°-70°	2.8	0.1
70°-80°	1.7	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°	2484.8	96.7
0°-40°	2552.6	99.3
0°-60°	2565.5	99.8
0°-90°	2570.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2570.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6072	6072	6072	6072	6072	
5°	6009	6002	6018	6045	6051	567
15°	4939	4952	4990	5030	5068	1312
25°	1122	1130	1157	1157	1128	581
35°	76	85	128	81	72	57
45°	5	9	14	9	5	7
55°	4	4	4	4	4	3
65°	2	4	4	4	2	2
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°	6072.4	6072.4	6072.4	6072.4	6072.4
1°	6076.0	6070.6	6068.8	6079.6	6070.6
2°	6070.6	6067.0	6068.8	6079.6	6072.4
3°	6054.3	6056.1	6061.5	6081.4	6079.6
4°	6034.4	6032.6	6043.5	6068.8	6068.8
5°	6009.1	6001.9	6018.2	6045.3	6050.7
6°	5980.2	5971.2	5983.8	6018.2	6030.8
7°	5947.7	5929.6	5940.5	5982.0	5998.3
8°	5904.3	5880.8	5893.5	5935.0	5947.7
9°	5850.1	5813.9	5824.8	5875.4	5900.7
10°	5779.6	5734.4	5736.2	5792.3	5832.0
11°	5680.2	5629.6	5631.4	5701.9	5743.5
12°	5548.3	5503.1	5512.1	5577.2	5644.1
13°	5369.4	5356.7	5367.5	5438.0	5499.5
14°	5195.9	5183.2	5203.1	5268.2	5297.1
15°	4939.2	4951.9	4989.8	5029.6	5067.5
17.5°	4126.0	4174.8	4219.9	4247.1	4279.6
20°	3200.7	3144.6	3216.9	3184.4	3247.6
22.5°	2065.7	2107.3	2125.3	2107.3	2114.5
25°	1122.3	1129.5	1156.6	1156.6	1127.7
27.5°	477.1	515.1	549.4	536.8	477.1
30°	227.7	262.1	305.4	263.9	227.7
32.5°	128.3	151.8	197.0	148.2	124.7
35°	75.9	84.9	128.3	81.3	72.3
37.5°	45.2	47.0	70.5	48.8	43.4
40°	25.3	30.7	38.0	30.7	25.3
42.5°	12.7	18.1	23.5	18.1	12.7
45°	5.4	9.0	14.5	9.0	5.4
47.5°	5.4	5.4	9.0	5.4	5.4
50°	3.6	3.6	5.4	3.6	3.6
52.5°	3.6	3.6	3.6	3.6	3.6
55°	3.6	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	3.6	3.6	3.6
60°	3.6	3.6	3.6	3.6	3.6
62.5°	3.6	3.6	3.6	3.6	3.6
65°	1.8	3.6	3.6	3.6	1.8
67.5°	1.8	1.8	1.8	1.8	1.8
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°	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)