

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: P1323761

Luminaire Tested: LDSQA3D09R309030D2WDE010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323761
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309030D2WDE010 3LSQPHR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

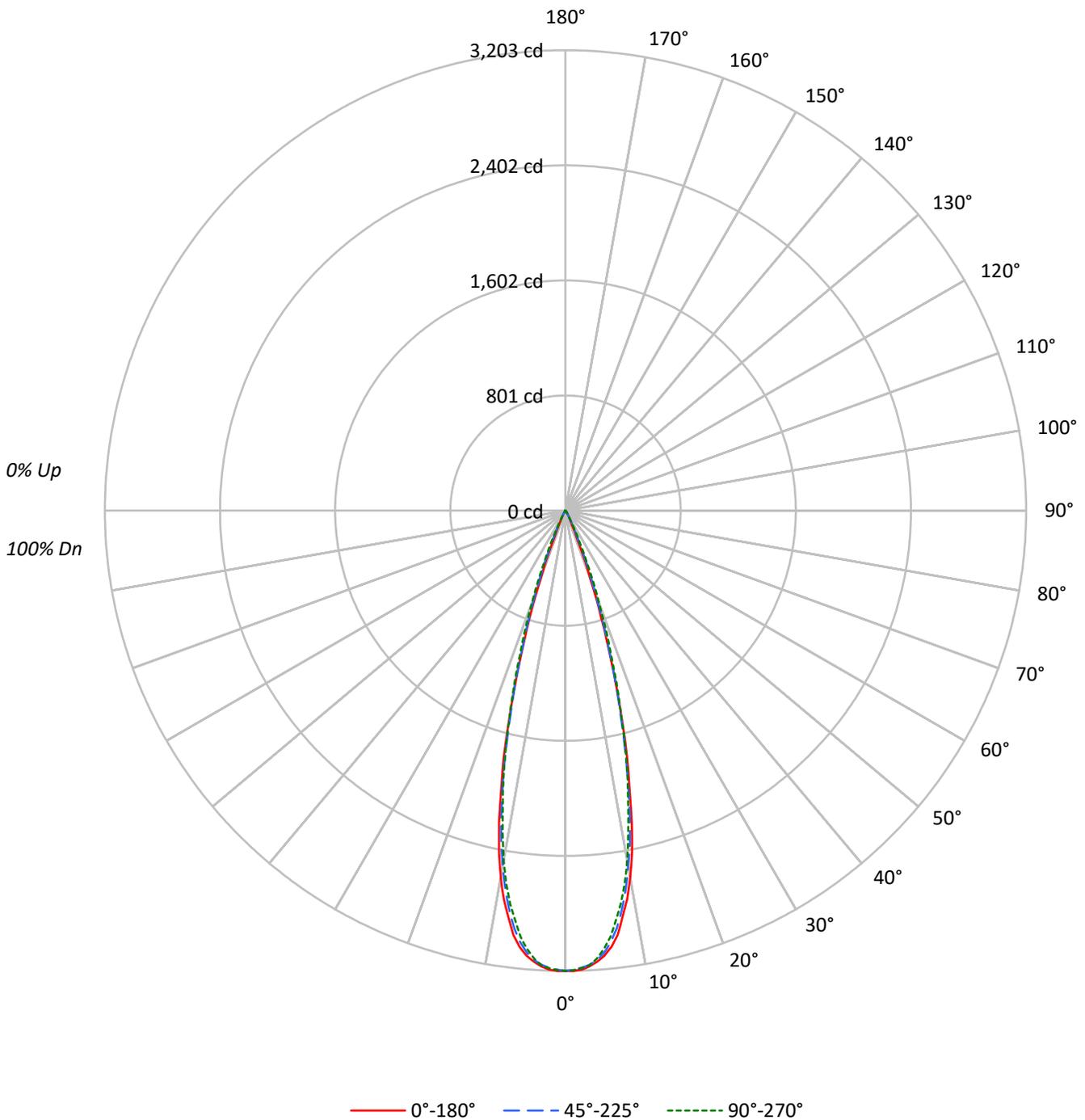
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 776.0 lumens
Efficiency: N/A
Efficacy: 52.8 lumens/watt
Spacing Criteria (0/90/45): 0.5 / 0.49 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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				
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	110	113	111	109	108	107	106	105	103	103	102	100	99	99	99	99	99	97
2	112	108	105	103	110	107	104	102	104	101	100	101	99	98	98	97	96	96	96	96	94
3	108	104	101	98	107	103	100	97	100	98	96	98	96	94	96	94	93	96	94	93	92
4	105	100	97	94	104	99	96	93	97	94	92	95	93	91	94	92	90	94	92	90	89
5	102	97	93	90	101	96	93	90	95	91	89	93	90	88	92	89	88	92	89	88	87
6	100	94	90	87	99	93	90	87	92	89	86	91	88	86	90	87	85	90	87	85	84
7	97	91	87	84	96	91	87	84	90	86	84	88	86	83	88	85	83	88	85	83	82
8	95	89	85	82	94	88	84	82	87	84	82	86	83	81	86	83	81	86	83	81	80
9	92	86	82	80	92	86	82	80	85	82	79	84	81	79	84	81	79	84	81	79	78
10	90	84	80	78	90	84	80	78	83	80	77	82	79	77	82	79	77	82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	551560	551560	551560
5°	537364	533648	529256
10°	453480	439560	432424
15°	273277	265646	270532
20°	92701	107051	123473
25°	17026	26699	31525
30°	5847	6523	7318
35°	1682	2102	2250
40°	450	742	607
45°	170	170	170
50°	188	0	188
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 52.5°

Luminance: 198 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.9	35.7
10°-20°	404.7	52.2
20°-30°	85.6	11.0
30°-40°	7.9	1.0
40°-50°	0.8	0.1
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	767.3	98.9
0°-40°	775.2	99.9
0°-60°	776.0	100.0
0°-90°	776.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	776.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3203	3203	3203	3203	3203	
5°	3108	3102	3087	3078	3061	281
15°	1533	1527	1490	1525	1517	404
25°	90	100	140	165	166	65
35°	8	10	10	12	11	7
45°	1	1	1	1	1	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3202.6	3202.6	3202.6	3202.6	3202.6
1°	3203.3	3199.9	3195.2	3201.9	3197.2
2°	3196.6	3188.5	3181.8	3188.5	3186.5
3°	3176.5	3169.8	3165.1	3168.5	3168.5
4°	3146.4	3139.0	3135.0	3135.7	3125.6
5°	3108.3	3102.2	3086.8	3077.5	3061.4
6°	3052.1	3037.3	3018.6	3003.2	2982.5
7°	2975.8	2953.0	2926.3	2899.5	2873.4
8°	2853.4	2842.7	2806.5	2788.5	2762.4
9°	2738.3	2712.2	2673.4	2644.0	2629.9
10°	2593.1	2554.3	2513.5	2490.1	2472.7
11°	2421.2	2381.7	2348.9	2314.8	2288.0
12°	2219.1	2185.7	2148.2	2125.5	2094.0
13°	1979.6	1974.9	1932.8	1925.4	1921.4
14°	1774.2	1755.5	1714.0	1725.4	1728.1
15°	1532.7	1527.4	1489.9	1524.7	1517.3
17.5°	960.0	962.0	985.5	1040.3	1057.7
20°	505.8	521.2	584.1	650.3	673.7
22.5°	204.7	238.8	303.1	347.9	378.0
25°	89.6	100.4	140.5	165.2	165.9
27.5°	50.8	51.5	67.6	70.2	71.6
30°	29.4	30.1	32.8	34.8	36.8
32.5°	16.1	17.4	18.1	20.7	20.7
35°	8.0	10.0	10.0	12.0	10.7
37.5°	4.7	5.4	6.0	6.0	5.4
40°	2.0	2.7	3.3	3.3	2.7
42.5°	0.7	1.3	1.3	1.3	2.0
45°	0.7	0.7	0.7	0.7	0.7
47.5°	0.7	0.7	0.0	0.7	0.7
50°	0.7	0.0	0.0	0.0	0.7
52.5°	0.7	0.0	0.0	0.0	0.7
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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)