

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: P1323549

Luminaire Tested: LDSQA3D02R709030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323549
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R709030D2WDE010 3LSQCDR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

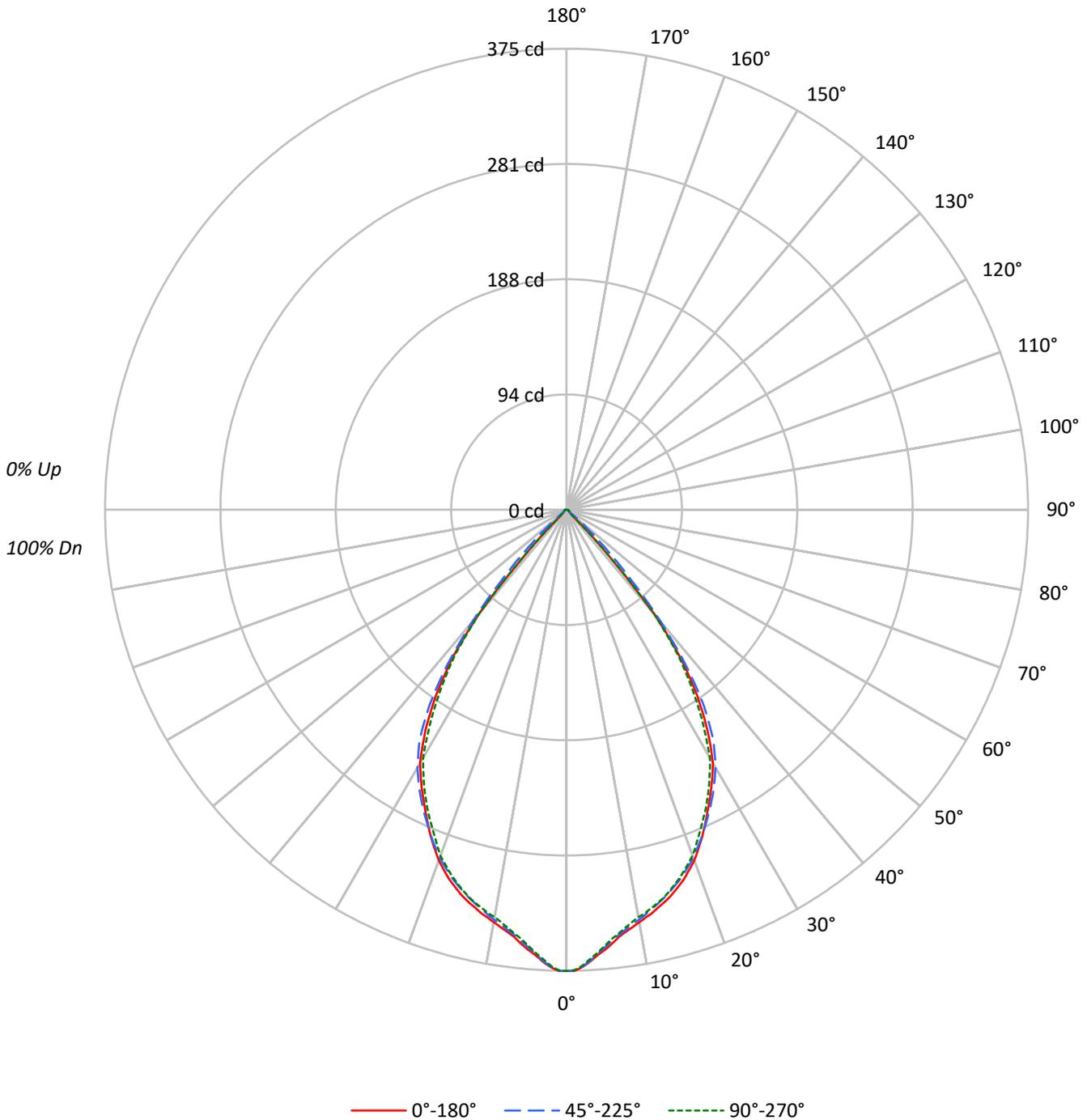
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 400.0 lumens
Efficiency: N/A
Efficacy: 55.6 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
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 (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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	75	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	51	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	64601	64601	64601
5°	62099	61770	61545
10°	59581	59232	58847
15°	58072	57448	57376
20°	55642	55221	54873
25°	51516	51896	50908
30°	47330	48165	46356
35°	39021	40872	37529
40°	24843	26754	24843
45°	1754	11569	1900
50°	777	2358	777
55°	871	871	871
60°	896	896	896
65°	815	937	815
70°	806	1007	806
75°	865	865	865
80°	992	992	992
85°	593	1383	593

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 11569 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.5	8.4
10°-20°	90.6	22.7
20°-30°	124.6	31.1
30°-40°	114.1	28.5
40°-50°	30.3	7.6
50°-60°	2.7	0.7
60°-70°	2.2	0.6
70°-80°	1.5	0.4
80°-90°	0.6	0.1
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°	248.7	62.2
0°-40°	362.8	90.7
0°-60°	395.8	98.9
0°-90°	400.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	400.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	375	375	375	375	375	
5°	359	358	357	357	356	34
15°	326	323	322	322	322	91
25°	271	272	273	270	268	125
35°	186	188	194	186	178	113
45°	7	24	48	25	8	21
55°	3	3	3	3	3	2
65°	2	2	2	2	2	2
75°	1	1	1	1	1	1
85°	0	1	1	1	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	375.1	375.1	375.1	375.1	375.1
1°	375.1	374.5	375.1	375.1	374.5
2°	372.2	371.6	371.9	371.6	371.2
3°	368.0	367.0	367.3	366.7	366.0
4°	363.1	362.1	362.1	361.8	361.2
5°	359.2	357.6	357.3	356.6	356.0
6°	354.7	353.0	352.7	351.7	351.1
7°	350.1	348.8	348.5	347.2	347.2
8°	346.5	344.9	344.9	343.3	343.3
9°	343.6	341.7	341.7	340.4	339.7
10°	340.7	338.7	338.7	337.1	336.5
11°	337.8	336.1	335.5	334.5	334.2
12°	335.2	332.9	332.2	331.9	331.3
13°	331.9	329.6	329.0	328.7	328.3
14°	329.0	326.1	325.7	325.1	325.4
15°	325.7	322.8	322.2	322.2	321.8
17.5°	315.7	313.7	312.7	312.1	311.4
20°	303.6	302.0	301.3	300.0	299.4
22.5°	288.0	287.7	287.4	285.7	283.1
25°	271.1	272.1	273.1	269.8	267.9
27.5°	254.9	257.5	258.4	255.2	251.0
30°	238.0	240.2	242.2	237.6	233.1
32.5°	213.6	219.1	222.0	216.8	206.4
35°	185.6	188.5	194.4	185.6	178.5
37.5°	153.1	154.7	159.3	153.4	148.6
40°	110.5	115.4	119.0	115.4	110.5
42.5°	49.7	69.6	78.7	73.5	52.0
45°	7.2	24.4	47.5	24.7	7.8
47.5°	2.9	3.9	24.7	3.6	2.9
50°	2.9	2.9	8.8	2.9	2.9
52.5°	2.9	2.9	3.3	2.9	2.9
55°	2.9	2.9	2.9	2.9	2.9
57.5°	2.6	2.6	2.9	2.6	2.6
60°	2.6	2.6	2.6	2.6	2.6
62.5°	2.3	2.6	2.6	2.6	2.3
65°	2.0	2.3	2.3	2.3	2.0
67.5°	2.0	2.0	2.0	2.0	2.0
70°	1.6	2.0	2.0	2.0	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.3	1.3	1.3	1.3	1.3
77.5°	1.0	1.3	1.3	1.3	1.0
80°	1.0	1.0	1.0	1.0	1.0
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.3	0.7	0.7	0.7	0.3
87.5°	0.3	0.3	0.3	0.3	0.3



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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)