

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: P1323555

Luminaire Tested: LDSQA3D02R709030D2WDE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323555
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R709030D2WDE010 3LSQCLSWWR 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
3LSQCLSWWR 1MW TRIM
Light Source: -
Ballast/Driver: -

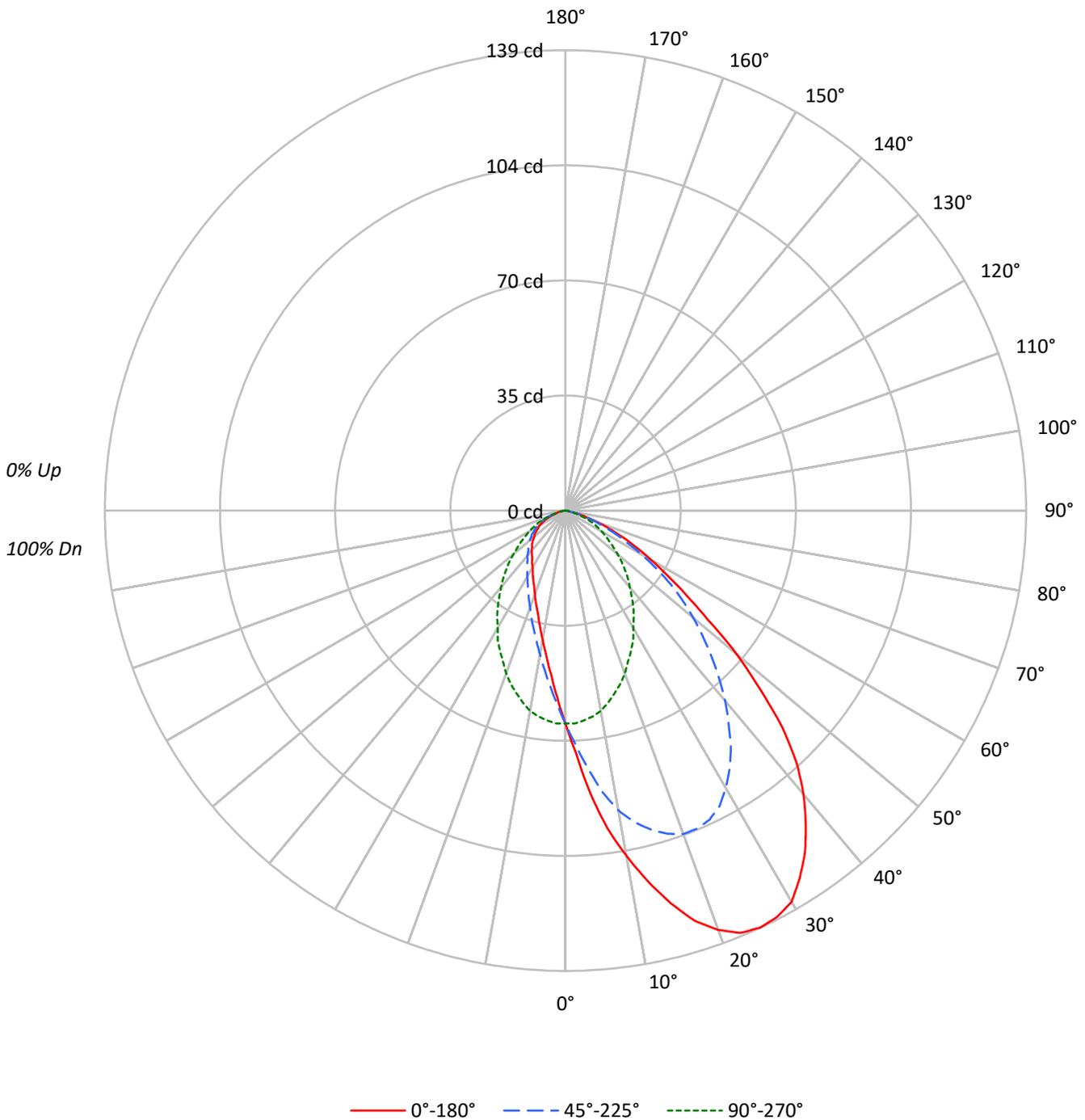
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 157.0 lumens
Efficiency: N/A
Efficacy: 21.8 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88
2	102	95	89	84	100	93	88	84	90	85	82	87	83	80	84	81	78	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	76	71	68	66
4	87	76	68	63	85	75	68	62	73	66	61	70	65	60	68	64	60	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	11074	11074	11074	11074	11074
5°	14816	13519	10995	9197	8592
10°	18502	16071	10738	7730	6925
15°	21877	17776	10181	6597	5723
20°	24687	19042	9585	5718	4930
25°	26395	19554	8874	5055	4371
30°	27125	19230	8134	4574	3938
35°	26491	18291	7506	4226	3679
40°	25112	16862	6790	4024	3575
45°	22529	15174	6162	3873	3483
50°	18085	13477	5493	3751	3296
55°	13362	11590	4864	3693	3213
60°	10299	9059	4374	3582	3134
65°	7824	6765	3831	3301	2771
70°	5237	4733	2921	2921	2266
75°	2795	2795	1930	1930	1730
80°	595	1289	992	1289	1587
85°	0	593	593	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22529 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	4.0
10°-20°	19.3	12.3
20°-30°	29.7	18.9
30°-40°	33.7	21.5
40°-50°	30.5	19.4
50°-60°	21.3	13.6
60°-70°	11.7	7.5
70°-80°	3.9	2.5
80°-90°	0.5	0.3
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°	55.3	35.2
0°-40°	89.0	56.7
0°-60°	140.8	89.7
0°-90°	157.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	157.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	64	64	64	64	64	
5°	86	78	64	53	50	9
15°	123	100	57	37	32	35
25°	139	103	47	27	23	64
35°	126	87	36	20	18	78
45°	92	62	25	16	14	70
55°	44	39	16	12	11	41
65°	19	17	9	8	7	19
75°	4	4	3	3	3	5
85°	0	0	0	1	1	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
2.5°	73.4	74.0	74.3	73.7	73.4	73.0	72.4	72.1	71.4	70.8	70.4
5°	85.7	85.7	85.7	85.1	84.1	83.4	82.1	81.2	79.5	78.2	76.9
7.5°	96.7	96.7	96.4	95.4	94.8	93.2	91.6	90.3	87.7	85.7	83.1
10°	105.8	105.8	105.5	103.9	102.9	101.0	99.3	97.1	94.5	91.9	89.0
12.5°	114.6	114.6	113.3	112.0	110.1	107.5	105.2	102.9	99.3	96.4	92.8
15°	122.7	122.7	122.1	119.8	117.2	114.3	111.0	107.8	103.6	99.7	95.8
17.5°	129.9	129.5	128.6	126.0	123.4	119.8	115.9	112.0	106.8	102.3	97.4
20°	134.7	134.7	133.4	130.5	127.6	123.7	119.5	114.9	109.4	103.9	98.0
22.5°	138.0	137.7	136.4	133.4	129.9	126.0	121.1	116.2	110.1	103.9	97.7
25°	138.9	138.6	137.3	134.1	130.5	126.3	121.1	115.9	109.4	102.9	96.1
27.5°	138.3	138.0	136.7	133.1	129.5	124.7	119.5	114.0	107.5	100.6	93.8
30°	136.4	135.4	134.1	130.8	126.9	122.1	116.5	110.4	103.9	96.7	89.9
32.5°	131.5	131.5	129.9	126.6	122.7	117.5	112.0	106.2	99.0	92.2	85.1
35°	126.0	125.6	124.3	120.8	117.2	112.3	106.8	100.6	93.8	87.0	80.2
37.5°	119.1	118.8	117.5	114.3	110.4	105.8	100.0	94.1	87.7	80.8	74.7
40°	111.7	111.0	109.4	106.8	103.6	98.4	93.2	87.3	81.2	75.0	68.8
42.5°	103.2	102.6	101.3	99.3	95.4	90.9	86.0	80.5	74.7	68.5	64.0
45°	92.5	92.5	91.9	89.9	87.0	83.4	78.2	73.4	67.9	62.3	57.5
47.5°	79.2	79.9	79.5	78.6	77.3	74.0	70.4	66.2	61.0	56.2	51.6
50°	67.5	67.9	68.2	67.5	66.6	64.3	62.0	59.4	54.9	50.3	46.1
52.5°	54.2	55.2	55.2	55.5	55.5	54.9	54.2	51.3	49.0	44.5	40.6
55°	44.5	44.5	44.5	45.1	45.5	45.8	45.1	44.5	41.9	38.6	35.1
57.5°	36.4	36.4	37.0	36.7	36.7	37.3	37.3	37.0	35.4	32.5	29.2
60°	29.9	29.9	29.9	29.9	30.2	30.2	30.2	30.2	28.9	26.3	23.7
62.5°	24.0	24.0	24.0	24.3	24.3	24.3	24.7	24.3	23.0	21.1	18.8
65°	19.2	18.8	19.2	19.2	19.5	19.5	19.5	19.2	17.9	16.6	14.9
67.5°	14.3	14.6	14.6	14.6	14.9	15.3	14.9	14.6	13.6	12.3	11.7
70°	10.4	10.7	10.7	10.7	11.0	11.4	11.0	10.7	10.1	9.4	8.8
72.5°	6.8	7.1	7.1	7.5	7.8	7.8	7.5	7.5	7.1	6.5	6.2
75°	4.2	4.2	4.5	4.5	4.9	4.9	4.9	4.5	4.5	4.2	4.2
77.5°	1.9	1.9	2.3	2.3	2.3	2.6	2.6	2.6	2.6	2.6	2.3
80°	0.6	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.3	1.3	1.3
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
2.5°	69.8	68.8	67.5	64.3	61.0	58.4	56.8	56.5
5°	75.3	73.7	70.8	63.6	57.8	53.2	50.6	49.7
7.5°	80.8	77.9	73.7	62.7	53.9	48.4	45.5	44.2
10°	85.4	81.8	76.3	61.4	50.6	44.2	40.6	39.6
12.5°	89.0	84.7	77.9	59.4	47.4	40.3	36.7	35.7
15°	91.2	86.7	78.9	57.1	44.2	37.0	33.4	32.1
17.5°	92.2	86.7	78.6	54.9	41.2	34.1	30.5	29.5
20°	92.2	86.0	77.6	52.3	38.3	31.2	27.9	26.9
22.5°	91.2	84.7	75.3	49.3	35.7	28.9	25.6	24.7
25°	89.3	82.1	72.7	46.7	33.1	26.6	23.7	23.0
27.5°	86.4	79.2	69.5	44.2	30.8	24.7	22.1	21.4
30°	82.8	75.6	65.9	40.9	28.6	23.0	20.8	19.8
32.5°	78.2	71.4	62.0	38.3	26.6	21.4	19.5	18.8
35°	73.4	67.2	57.8	35.7	24.7	20.1	18.2	17.5
37.5°	68.5	62.0	54.2	32.8	23.0	18.8	17.2	16.6
40°	63.3	58.4	50.3	30.2	21.8	17.9	16.2	15.9
42.5°	58.1	52.9	44.8	27.9	20.1	16.6	15.3	14.9
45°	51.9	47.1	40.6	25.3	18.8	15.9	14.6	14.3
47.5°	46.7	42.2	36.4	23.0	17.5	14.9	13.6	13.3
50°	41.9	37.3	31.8	20.5	16.2	14.0	13.0	12.3
52.5°	36.4	32.5	27.6	18.2	14.9	13.0	12.0	11.7
55°	31.5	27.6	23.0	16.2	13.6	12.3	11.0	10.7
57.5°	26.0	22.7	19.5	14.3	12.3	11.0	10.4	9.7
60°	21.1	18.8	16.6	12.7	11.0	10.4	9.4	9.1
62.5°	17.2	15.6	14.0	11.0	9.7	9.1	8.4	7.8
65°	13.6	12.7	11.4	9.4	8.4	8.1	7.5	6.8
67.5°	10.7	10.1	9.1	7.5	7.1	6.8	6.2	5.5
70°	8.1	7.8	7.1	5.8	5.5	5.8	5.2	4.5
72.5°	5.8	5.5	5.2	4.2	4.2	4.2	3.9	3.2
75°	3.9	3.6	3.2	2.9	2.9	2.9	2.9	2.6
77.5°	2.3	2.3	1.9	1.6	1.9	1.9	2.3	2.3
80°	1.0	1.0	1.0	1.0	1.3	1.3	1.6	1.6
82.5°	0.6	0.6	0.6	0.6	1.0	1.0	1.0	1.0
85°	0.3	0.3	0.3	0.3	0.3	0.6	0.6	0.6
87.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)