

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: P1323553

Luminaire Tested: LDSQA3D02R709030D2WDE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323553
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R709030D2WDE010 3LSQCLSWWR 1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
3LSQCLSWWR 1MB TRIM
Light Source: -
Ballast/Driver: -

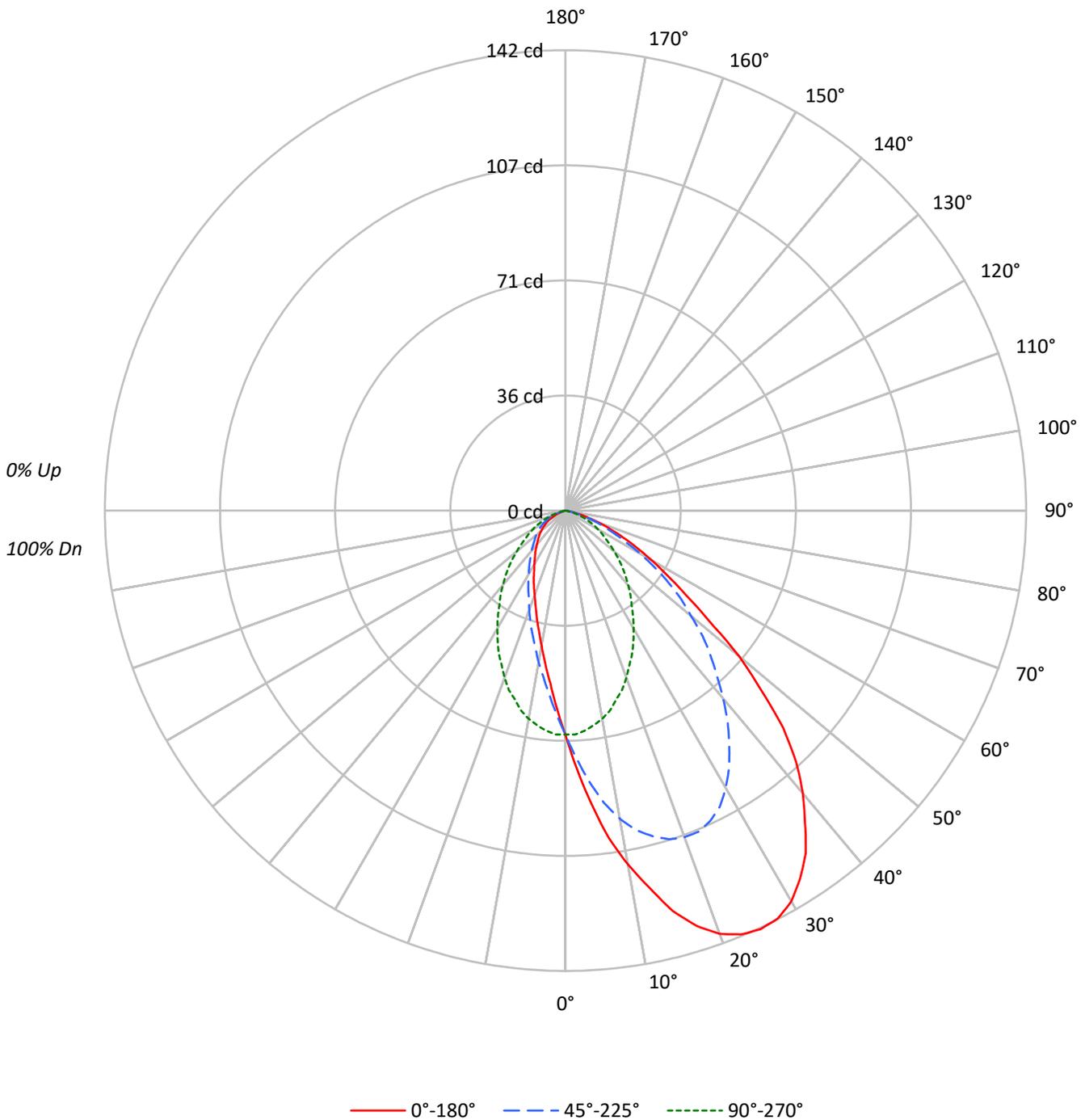
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 155.0 lumens
Efficiency: N/A
Efficacy: 21.5 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
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				
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	100			100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89			89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67			67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59			59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52			52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46			46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42			42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38			38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34			34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31			31

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	11901	11901	11901	11901	11901
5°	15663	14487	11773	9854	9249
10°	19377	16876	11402	8324	7415
15°	22786	18543	10751	7025	6098
20°	25457	19647	10043	5975	5077
25°	27060	20067	9235	5150	4390
30°	27682	19648	8352	4474	3818
35°	27143	18502	7464	4037	3427
40°	25585	16996	6745	3665	3080
45°	23114	15393	6040	3337	2850
50°	18702	13531	5251	3135	2626
55°	13602	11650	4504	2943	2342
60°	10540	9197	4030	2687	2136
65°	7987	6642	3301	2404	1589
70°	5589	4784	2467	1813	1007
75°	3261	2795	1331	865	200
80°	694	992	298	0	0
85°	0	0	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23114 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.8	4.4
10°-20°	20.1	13.0
20°-30°	30.4	19.6
30°-40°	33.7	21.8
40°-50°	29.9	19.3
50°-60°	20.3	13.1
60°-70°	10.6	6.9
70°-80°	3.0	2.0
80°-90°	0.1	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°	57.3	36.9
0°-40°	91.0	58.7
0°-60°	141.2	91.1
0°-90°	155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	155.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	69	69	69	69	69	
5°	91	84	68	57	54	9
15°	128	104	60	39	34	36
25°	142	106	49	27	23	65
35°	129	88	36	19	16	80
45°	95	63	25	14	12	72
55°	45	39	15	10	8	42
65°	20	16	8	6	4	20
75°	5	4	2	1	0	5
85°	0	0	0	0	0	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°	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
2.5°	79.5	79.2	78.9	78.9	78.6	78.2	77.6	77.6	76.9	76.3	75.6
5°	90.6	90.6	90.6	89.6	89.6	88.3	87.7	86.4	85.1	83.8	82.1
7.5°	101.7	101.7	100.7	100.4	99.4	98.1	97.1	95.2	92.9	90.9	88.3
10°	110.8	110.8	109.8	109.2	107.2	105.9	104.0	101.7	99.4	96.5	93.2
12.5°	119.0	119.3	118.0	116.7	114.7	112.8	110.2	107.2	104.3	101.0	96.8
15°	127.8	127.5	125.8	124.2	121.9	119.0	115.7	111.8	107.9	104.0	99.4
17.5°	134.3	134.0	132.3	130.4	127.5	123.9	120.3	115.7	111.2	106.3	100.7
20°	138.9	138.5	136.9	134.3	131.4	127.5	123.2	118.0	113.1	107.2	101.0
22.5°	141.5	141.1	139.2	136.9	133.3	129.1	124.5	119.0	113.4	107.2	100.4
25°	142.4	141.8	139.8	137.2	133.6	129.1	123.9	118.0	112.1	105.6	98.4
27.5°	141.8	141.1	138.9	135.9	132.0	126.8	121.6	115.7	109.5	103.0	95.5
30°	139.2	138.2	136.3	133.3	129.1	123.9	118.3	112.1	105.6	98.8	91.3
32.5°	134.6	134.0	132.0	128.8	124.5	119.3	113.8	107.2	100.7	93.9	86.4
35°	129.1	127.8	125.8	122.9	118.7	113.4	107.9	101.0	94.9	88.0	80.8
37.5°	121.3	120.9	118.7	116.4	112.1	106.6	101.4	94.9	88.7	82.1	75.0
40°	113.8	113.1	111.2	108.5	104.3	99.4	93.9	88.0	81.8	75.6	69.1
42.5°	105.3	104.3	103.0	100.4	96.5	91.6	86.4	80.5	75.0	69.1	63.2
45°	94.9	94.5	92.9	91.6	88.0	83.8	78.6	73.3	67.8	63.2	58.7
47.5°	81.5	81.2	80.8	79.9	77.9	75.0	71.1	66.2	61.9	57.4	51.2
50°	69.8	69.4	68.8	68.5	66.8	65.2	62.3	59.3	55.7	50.5	45.6
52.5°	55.4	55.7	56.7	57.0	56.7	55.4	54.1	53.1	48.2	45.0	40.4
55°	45.3	45.3	45.0	45.3	45.6	46.3	46.3	45.0	41.7	38.8	34.9
57.5°	37.2	37.2	37.2	37.2	37.2	37.5	37.5	37.2	35.5	32.6	29.0
60°	30.6	30.3	30.3	30.6	30.3	30.3	30.6	30.6	29.0	26.7	23.5
62.5°	24.8	24.8	24.8	24.4	24.4	24.8	24.8	24.4	23.1	20.9	18.6
65°	19.6	19.6	19.6	19.6	19.6	19.9	19.6	19.2	17.9	16.3	14.7
67.5°	15.0	15.0	15.3	15.0	15.3	15.3	15.3	14.7	13.7	12.4	11.4
70°	11.1	11.1	11.1	11.4	11.7	11.7	11.4	10.8	10.1	9.5	8.5
72.5°	7.5	7.8	7.8	7.8	8.1	8.1	7.8	7.5	7.2	6.5	6.2
75°	4.9	4.6	4.9	4.9	5.2	5.2	4.9	4.9	4.6	4.2	3.9
77.5°	2.3	2.3	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.3	2.3
80°	0.7	0.7	0.7	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	0.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	69.1	69.1	69.1	69.1	69.1	69.1	69.1	69.1
2.5°	75.0	74.0	72.7	69.1	65.8	62.9	61.3	61.0
5°	80.2	78.9	75.6	68.1	61.9	57.0	54.1	53.5
7.5°	85.7	83.1	78.6	66.8	58.0	51.8	48.6	47.6
10°	90.0	86.7	80.5	65.2	54.1	47.6	43.7	42.4
12.5°	92.9	89.0	82.1	63.2	50.9	43.0	39.1	37.8
15°	94.5	90.3	82.5	60.3	46.9	39.4	35.2	34.2
17.5°	95.2	90.3	81.8	58.0	43.4	35.9	31.9	30.6
20°	94.9	89.0	80.2	54.8	40.1	32.6	28.7	27.7
22.5°	93.6	87.0	77.6	51.5	36.8	29.3	26.1	25.4
25°	91.6	84.4	74.6	48.6	33.9	27.1	23.8	23.1
27.5°	88.3	81.2	70.7	45.3	31.3	24.8	21.8	20.9
30°	84.1	77.3	66.8	42.0	28.7	22.5	19.9	19.2
32.5°	79.5	72.7	62.9	38.8	26.4	20.9	18.3	17.6
35°	74.3	67.8	58.0	35.5	24.1	19.2	16.6	16.3
37.5°	69.1	62.6	53.8	32.9	22.2	17.6	15.3	15.0
40°	63.2	58.0	51.5	30.0	20.5	16.3	14.3	13.7
42.5°	59.7	52.5	44.3	27.4	18.9	15.0	13.0	12.7
45°	51.8	46.6	40.1	24.8	17.3	13.7	12.1	11.7
47.5°	46.6	42.0	35.9	22.2	16.0	12.7	11.1	10.8
50°	41.4	37.2	31.3	19.6	14.7	11.7	10.1	9.8
52.5°	36.2	31.9	26.7	17.3	13.0	10.8	9.1	8.8
55°	31.0	27.1	22.2	15.0	11.7	9.8	8.5	7.8
57.5°	25.4	22.2	18.9	13.4	10.4	8.8	7.5	6.8
60°	20.5	18.6	16.0	11.7	9.1	7.8	6.5	6.2
62.5°	16.6	15.0	13.4	10.1	8.1	6.8	5.9	4.9
65°	13.4	12.4	11.1	8.1	6.8	5.9	4.9	3.9
67.5°	10.4	9.8	8.8	6.8	5.5	4.9	3.6	2.9
70°	8.1	7.5	6.8	4.9	4.2	3.6	2.6	2.0
72.5°	5.9	5.2	4.9	3.6	2.9	2.6	1.6	1.0
75°	3.6	3.6	2.9	2.0	1.6	1.3	0.7	0.3
77.5°	2.0	2.0	1.6	1.0	1.0	0.3	0.0	0.0
80°	1.0	0.7	0.7	0.3	0.3	0.0	0.0	0.0
82.5°	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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

(END OF REPORT)