

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: P1316189

Luminaire Tested: LDSQA3D02R709740DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316189
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: LDSQA3D02R709740DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

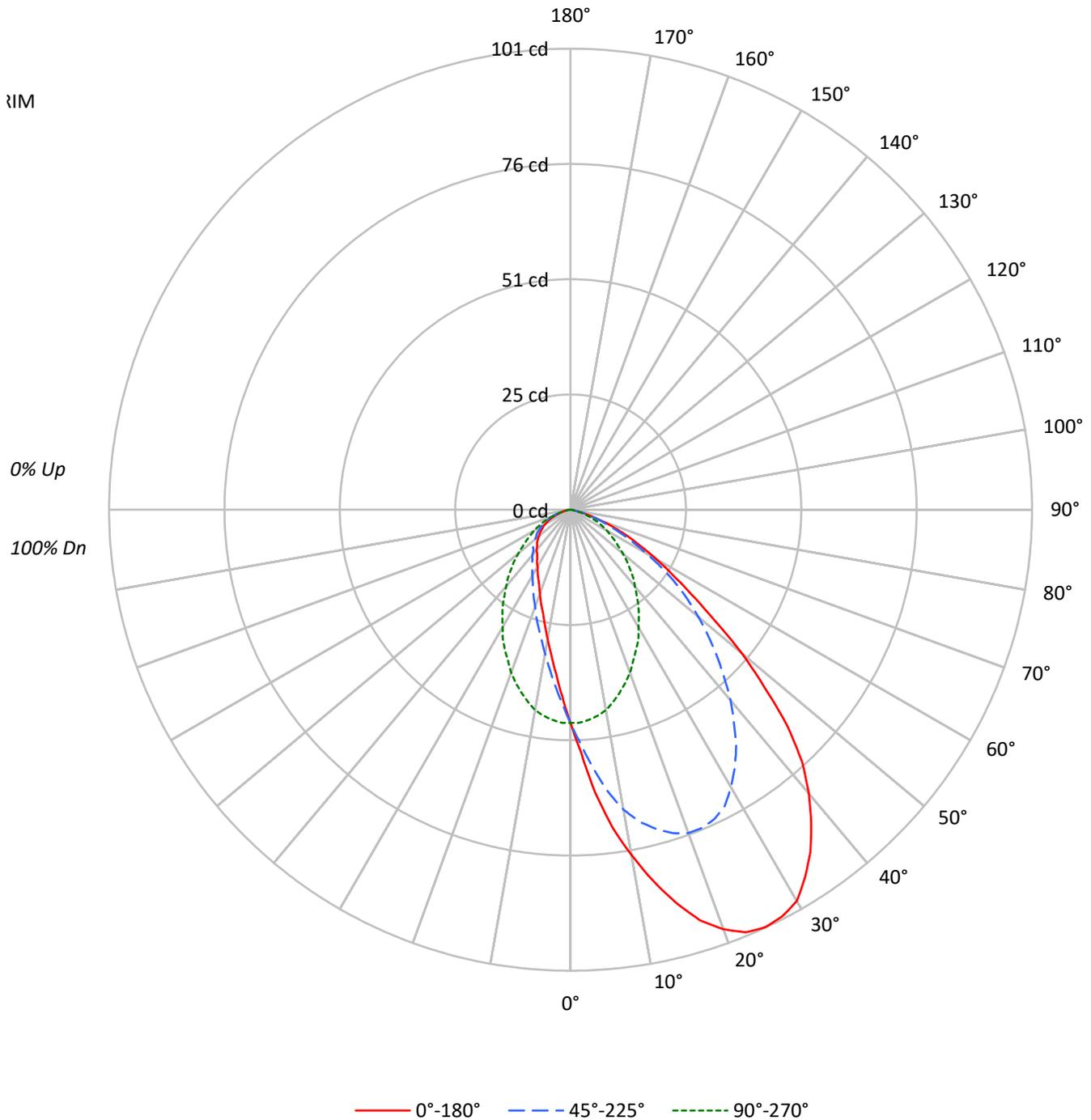
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 114.0 lumens
Efficiency: N/A
Efficacy: 31.7 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): 3.6
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	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	84	81	78	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	75	71	68	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	68	64	60	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	62	57	53	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	57	51	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	52	46	42	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	48	42	38	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	44	39	35	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	41	36	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8043	8043	8043	8043	8043
5°	10753	9820	7987	6690	6241
10°	13431	11664	7800	5614	5037
15°	15886	12909	7399	4796	4154
20°	17924	13819	6964	4142	3592
25°	19174	14195	6442	3668	3173
30°	19688	13960	5906	3321	2864
35°	19237	13287	5445	3070	2670
40°	18233	12253	4924	2923	2608
45°	16367	11033	4481	2825	2533
50°	13129	9779	3992	2706	2411
55°	9698	8437	3543	2702	2342
60°	7474	6579	3169	2583	2273
65°	5664	4890	2771	2404	2038
70°	3777	3424	2115	2115	1662
75°	2063	2063	1397	1397	1264
80°	496	893	694	893	1190
85°	0	395	395	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16367 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	4.0
10°-20°	14.0	12.3
20°-30°	21.6	18.9
30°-40°	24.5	21.5
40°-50°	22.1	19.4
50°-60°	15.5	13.6
60°-70°	8.5	7.5
70°-80°	2.9	2.5
80°-90°	0.4	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°	40.2	35.2
0°-40°	64.6	56.7
0°-60°	102.3	89.7
0°-90°	114.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	114.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	47	47	47	47	47	
5°	62	57	46	39	36	6
15°	89	72	42	27	23	25
25°	101	75	34	19	17	46
35°	92	63	26	15	13	57
45°	67	45	18	12	10	51
55°	32	28	12	9	8	30
65°	14	12	7	6	5	14
75°	3	3	2	2	2	4
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°	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
2.5°	53.3	53.7	54.0	53.5	53.3	53.0	52.6	52.3	51.9	51.4	51.2
5°	62.2	62.2	62.2	61.8	61.1	60.6	59.6	58.9	57.8	56.8	55.9
7.5°	70.2	70.2	70.0	69.3	68.8	67.7	66.5	65.5	63.6	62.2	60.3
10°	76.8	76.8	76.6	75.4	74.7	73.3	72.1	70.5	68.6	66.7	64.6
12.5°	83.2	83.2	82.3	81.3	79.9	78.0	76.4	74.7	72.1	70.0	67.4
15°	89.1	89.1	88.6	87.0	85.1	83.0	80.6	78.3	75.2	72.4	69.5
17.5°	94.3	94.1	93.3	91.5	89.6	87.0	84.2	81.3	77.6	74.3	70.7
20°	97.8	97.8	96.9	94.8	92.6	89.8	86.7	83.4	79.4	75.4	71.2
22.5°	100.2	100.0	99.0	96.9	94.3	91.5	87.9	84.4	79.9	75.4	71.0
25°	100.9	100.7	99.7	97.4	94.8	91.7	87.9	84.2	79.4	74.7	69.8
27.5°	100.4	100.2	99.2	96.6	94.1	90.5	86.7	82.7	78.0	73.1	68.1
30°	99.0	98.3	97.4	95.0	92.2	88.6	84.6	80.1	75.4	70.2	65.3
32.5°	95.5	95.5	94.3	91.9	89.1	85.3	81.3	77.1	71.9	66.9	61.8
35°	91.5	91.2	90.3	87.7	85.1	81.6	77.6	73.1	68.1	63.2	58.2
37.5°	86.5	86.3	85.3	83.0	80.1	76.8	72.6	68.4	63.6	58.7	54.2
40°	81.1	80.6	79.4	77.6	75.2	71.4	67.7	63.4	58.9	54.5	50.0
42.5°	75.0	74.5	73.5	72.1	69.3	66.0	62.5	58.5	54.2	49.7	46.4
45°	67.2	67.2	66.7	65.3	63.2	60.6	56.8	53.3	49.3	45.3	41.7
47.5°	57.5	58.0	57.8	57.0	56.1	53.7	51.2	48.1	44.3	40.8	37.5
50°	49.0	49.3	49.5	49.0	48.3	46.7	45.0	43.1	39.8	36.5	33.5
52.5°	39.4	40.1	40.1	40.3	40.3	39.8	39.4	37.2	35.6	32.3	29.5
55°	32.3	32.3	32.3	32.8	33.0	33.2	32.8	32.3	30.4	28.1	25.5
57.5°	26.4	26.4	26.9	26.6	26.6	27.1	27.1	26.9	25.7	23.6	21.2
60°	21.7	21.7	21.7	21.7	21.9	21.9	21.9	21.9	21.0	19.1	17.2
62.5°	17.4	17.4	17.4	17.7	17.7	17.7	17.9	17.7	16.7	15.3	13.7
65°	13.9	13.7	13.9	13.9	14.1	14.1	14.1	13.9	13.0	12.0	10.8
67.5°	10.4	10.6	10.6	10.6	10.8	11.1	10.8	10.6	9.9	9.0	8.5
70°	7.5	7.8	7.8	7.8	8.0	8.3	8.0	7.8	7.3	6.8	6.4
72.5°	5.0	5.2	5.2	5.4	5.7	5.7	5.4	5.4	5.2	4.7	4.5
75°	3.1	3.1	3.3	3.3	3.5	3.5	3.5	3.3	3.3	3.1	3.1
77.5°	1.4	1.4	1.7	1.7	1.7	1.9	1.9	1.9	1.9	1.9	1.7
80°	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.9	0.9	0.9
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.2	0.2	0.2
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°	46.7	46.7	46.7	46.7	46.7	46.7	46.7	46.7
2.5°	50.7	50.0	49.0	46.7	44.3	42.4	41.3	41.0
5°	54.7	53.5	51.4	46.2	42.0	38.7	36.8	36.1
7.5°	58.7	56.6	53.5	45.5	39.1	35.1	33.0	32.1
10°	62.0	59.4	55.4	44.6	36.8	32.1	29.5	28.8
12.5°	64.6	61.5	56.6	43.1	34.4	29.2	26.6	25.9
15°	66.2	62.9	57.3	41.5	32.1	26.9	24.3	23.3
17.5°	66.9	62.9	57.0	39.8	29.9	24.8	22.2	21.5
20°	66.9	62.5	56.3	38.0	27.8	22.6	20.3	19.6
22.5°	66.2	61.5	54.7	35.8	25.9	21.0	18.6	17.9
25°	64.8	59.6	52.8	33.9	24.0	19.3	17.2	16.7
27.5°	62.7	57.5	50.4	32.1	22.4	17.9	16.0	15.6
30°	60.1	54.9	47.9	29.7	20.7	16.7	15.1	14.4
32.5°	56.8	51.9	45.0	27.8	19.3	15.6	14.1	13.7
35°	53.3	48.8	42.0	25.9	17.9	14.6	13.2	12.7
37.5°	49.7	45.0	39.4	23.8	16.7	13.7	12.5	12.0
40°	46.0	42.4	36.5	21.9	15.8	13.0	11.8	11.6
42.5°	42.2	38.4	32.5	20.3	14.6	12.0	11.1	10.8
45°	37.7	34.2	29.5	18.4	13.7	11.6	10.6	10.4
47.5°	33.9	30.6	26.4	16.7	12.7	10.8	9.9	9.7
50°	30.4	27.1	23.1	14.9	11.8	10.1	9.4	9.0
52.5°	26.4	23.6	20.0	13.2	10.8	9.4	8.7	8.5
55°	22.9	20.0	16.7	11.8	9.9	9.0	8.0	7.8
57.5°	18.9	16.5	14.1	10.4	9.0	8.0	7.5	7.1
60°	15.3	13.7	12.0	9.2	8.0	7.5	6.8	6.6
62.5°	12.5	11.3	10.1	8.0	7.1	6.6	6.1	5.7
65°	9.9	9.2	8.3	6.8	6.1	5.9	5.4	5.0
67.5°	7.8	7.3	6.6	5.4	5.2	5.0	4.5	4.0
70°	5.9	5.7	5.2	4.2	4.0	4.2	3.8	3.3
72.5°	4.2	4.0	3.8	3.1	3.1	3.1	2.8	2.4
75°	2.8	2.6	2.4	2.1	2.1	2.1	2.1	1.9
77.5°	1.7	1.7	1.4	1.2	1.4	1.4	1.7	1.7
80°	0.7	0.7	0.7	0.7	0.9	0.9	1.2	1.2
82.5°	0.5	0.5	0.5	0.5	0.7	0.7	0.7	0.7
85°	0.2	0.2	0.2	0.2	0.2	0.5	0.5	0.5
87.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)