

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: P1319759

Luminaire Tested: LDSQA3D02R709840DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319759
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: LDSQA3D02R709840DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 98CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

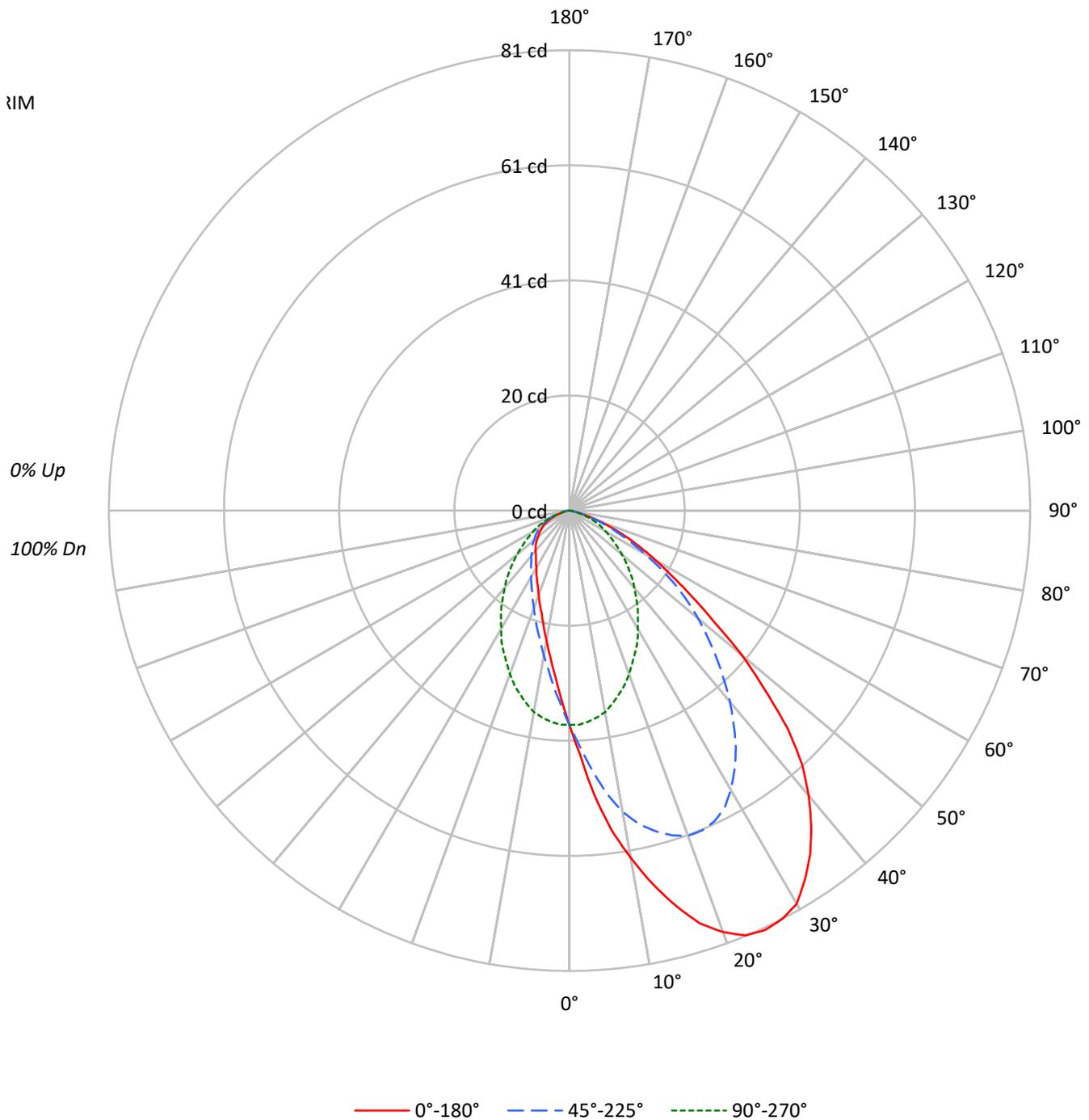
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 92.0 lumens
Efficiency: N/A
Efficacy: 25.6 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	94	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°	6493	6493	6493	6493	6493
5°	8679	7918	6448	5394	5031
10°	10843	9409	6296	4529	4057
15°	12820	10413	5973	3869	3352
20°	14460	11161	5608	3354	2896
25°	15468	11459	5207	2964	2565
30°	15889	11276	4773	2685	2307
35°	15516	10722	4394	2481	2166
40°	14703	9870	3979	2361	2091
45°	13201	8890	3605	2265	2046
50°	10610	7904	3215	2197	1929
55°	7837	6786	2852	2162	1892
60°	6028	5304	2549	2101	1826
65°	4564	3953	2241	1956	1630
70°	3072	2769	1712	1712	1360
75°	1664	1664	1131	1131	998
80°	397	793	595	793	992
85°	0	395	395	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13201 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	4.0
10°-20°	11.3	12.3
20°-30°	17.4	18.9
30°-40°	19.8	21.5
40°-50°	17.9	19.4
50°-60°	12.5	13.6
60°-70°	6.9	7.5
70°-80°	2.3	2.5
80°-90°	0.3	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°	32.4	35.2
0°-40°	52.2	56.7
0°-60°	82.5	89.7
0°-90°	92.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	92.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	38	38	38	38	38	
5°	50	46	37	31	29	5
15°	72	58	34	22	19	20
25°	81	60	27	16	14	37
35°	74	51	21	12	10	46
45°	54	36	15	9	8	41
55°	26	23	10	7	6	24
65°	11	10	6	5	4	11
75°	2	2	2	2	2	3
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°	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
2.5°	43.0	43.4	43.6	43.2	43.0	42.8	42.4	42.2	41.9	41.5	41.3
5°	50.2	50.2	50.2	49.8	49.3	48.9	48.1	47.6	46.6	45.8	45.1
7.5°	56.7	56.7	56.5	55.9	55.5	54.6	53.6	52.9	51.4	50.2	48.7
10°	62.0	62.0	61.8	60.9	60.3	59.2	58.2	56.9	55.4	53.8	52.1
12.5°	67.2	67.2	66.4	65.6	64.5	63.0	61.6	60.3	58.2	56.5	54.4
15°	71.9	71.9	71.5	70.2	68.7	67.0	65.1	63.2	60.7	58.4	56.1
17.5°	76.1	75.9	75.3	73.8	72.3	70.2	67.9	65.6	62.6	59.9	57.1
20°	78.9	78.9	78.2	76.5	74.8	72.5	70.0	67.3	64.1	60.9	57.5
22.5°	80.9	80.7	79.9	78.2	76.1	73.8	71.0	68.1	64.5	60.9	57.3
25°	81.4	81.2	80.5	78.6	76.5	74.0	71.0	67.9	64.1	60.3	56.3
27.5°	81.0	80.9	80.1	78.0	75.9	73.1	70.0	66.8	63.0	59.0	55.0
30°	79.9	79.3	78.6	76.7	74.4	71.5	68.3	64.7	60.9	56.7	52.7
32.5°	77.0	77.0	76.1	74.2	71.9	68.9	65.6	62.2	58.0	54.0	49.8
35°	73.8	73.6	72.9	70.8	68.7	65.8	62.6	59.0	55.0	51.0	47.0
37.5°	69.8	69.6	68.9	67.0	64.7	62.0	58.6	55.2	51.4	47.4	43.8
40°	65.4	65.1	64.1	62.6	60.7	57.6	54.6	51.2	47.6	43.9	40.3
42.5°	60.5	60.1	59.4	58.2	55.9	53.3	50.4	47.2	43.8	40.1	37.5
45°	54.2	54.2	53.8	52.7	51.0	48.9	45.8	43.0	39.8	36.5	33.7
47.5°	46.4	46.8	46.6	46.0	45.3	43.4	41.3	38.8	35.8	32.9	30.2
50°	39.6	39.8	40.0	39.6	39.0	37.7	36.3	34.8	32.2	29.5	27.0
52.5°	31.8	32.3	32.3	32.5	32.5	32.2	31.8	30.1	28.7	26.1	23.8
55°	26.1	26.1	26.1	26.4	26.6	26.8	26.4	26.1	24.5	22.6	20.5
57.5°	21.3	21.3	21.7	21.5	21.5	21.9	21.9	21.7	20.7	19.0	17.1
60°	17.5	17.5	17.5	17.5	17.7	17.7	17.7	17.7	16.9	15.4	13.9
62.5°	14.1	14.1	14.1	14.3	14.3	14.3	14.5	14.3	13.5	12.4	11.0
65°	11.2	11.0	11.2	11.2	11.4	11.4	11.4	11.2	10.5	9.7	8.8
67.5°	8.4	8.6	8.6	8.6	8.8	8.9	8.8	8.6	8.0	7.2	6.8
70°	6.1	6.3	6.3	6.3	6.5	6.7	6.5	6.3	5.9	5.5	5.1
72.5°	4.0	4.2	4.2	4.4	4.6	4.6	4.4	4.4	4.2	3.8	3.6
75°	2.5	2.5	2.7	2.7	2.9	2.9	2.9	2.7	2.7	2.5	2.5
77.5°	1.1	1.1	1.3	1.3	1.3	1.5	1.5	1.5	1.5	1.5	1.3
80°	0.4	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.8	0.8	0.8
82.5°	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
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°	37.7	37.7	37.7	37.7	37.7	37.7	37.7	37.7
2.5°	40.9	40.3	39.6	37.7	35.8	34.2	33.3	33.1
5°	44.1	43.2	41.5	37.3	33.9	31.2	29.7	29.1
7.5°	47.4	45.7	43.2	36.7	31.6	28.3	26.6	25.9
10°	50.0	47.9	44.7	36.0	29.7	25.9	23.8	23.2
12.5°	52.1	49.7	45.7	34.8	27.8	23.6	21.5	20.9
15°	53.5	50.8	46.2	33.5	25.9	21.7	19.6	18.8
17.5°	54.0	50.8	46.0	32.2	24.2	20.0	17.9	17.3
20°	54.0	50.4	45.5	30.6	22.4	18.3	16.4	15.8
22.5°	53.5	49.7	44.1	28.9	20.9	16.9	15.0	14.5
25°	52.3	48.1	42.6	27.4	19.4	15.6	13.9	13.5
27.5°	50.6	46.4	40.7	25.9	18.1	14.5	12.9	12.6
30°	48.5	44.3	38.6	24.0	16.7	13.5	12.2	11.6
32.5°	45.8	41.9	36.3	22.4	15.6	12.6	11.4	11.0
35°	43.0	39.4	33.9	20.9	14.5	11.8	10.7	10.3
37.5°	40.1	36.3	31.8	19.2	13.5	11.0	10.1	9.7
40°	37.1	34.2	29.5	17.7	12.7	10.5	9.5	9.3
42.5°	34.1	31.0	26.3	16.4	11.8	9.7	8.9	8.8
45°	30.4	27.6	23.8	14.8	11.0	9.3	8.6	8.4
47.5°	27.4	24.7	21.3	13.5	10.3	8.8	8.0	7.8
50°	24.5	21.9	18.6	12.0	9.5	8.2	7.6	7.2
52.5°	21.3	19.0	16.2	10.7	8.8	7.6	7.0	6.8
55°	18.5	16.2	13.5	9.5	8.0	7.2	6.5	6.3
57.5°	15.2	13.3	11.4	8.4	7.2	6.5	6.1	5.7
60°	12.4	11.0	9.7	7.4	6.5	6.1	5.5	5.3
62.5°	10.1	9.1	8.2	6.5	5.7	5.3	4.9	4.6
65°	8.0	7.4	6.7	5.5	4.9	4.8	4.4	4.0
67.5°	6.3	5.9	5.3	4.4	4.2	4.0	3.6	3.2
70°	4.8	4.6	4.2	3.4	3.2	3.4	3.0	2.7
72.5°	3.4	3.2	3.0	2.5	2.5	2.5	2.3	1.9
75°	2.3	2.1	1.9	1.7	1.7	1.7	1.7	1.5
77.5°	1.3	1.3	1.1	1.0	1.1	1.1	1.3	1.3
80°	0.6	0.6	0.6	0.6	0.8	0.8	1.0	1.0
82.5°	0.4	0.4	0.4	0.4	0.6	0.6	0.6	0.6
85°	0.2	0.2	0.2	0.2	0.2	0.4	0.4	0.4
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)