

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: P1313273

Luminaire Tested: LDSQA3D02R709727DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313273
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: LDSQA3D02R709727DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

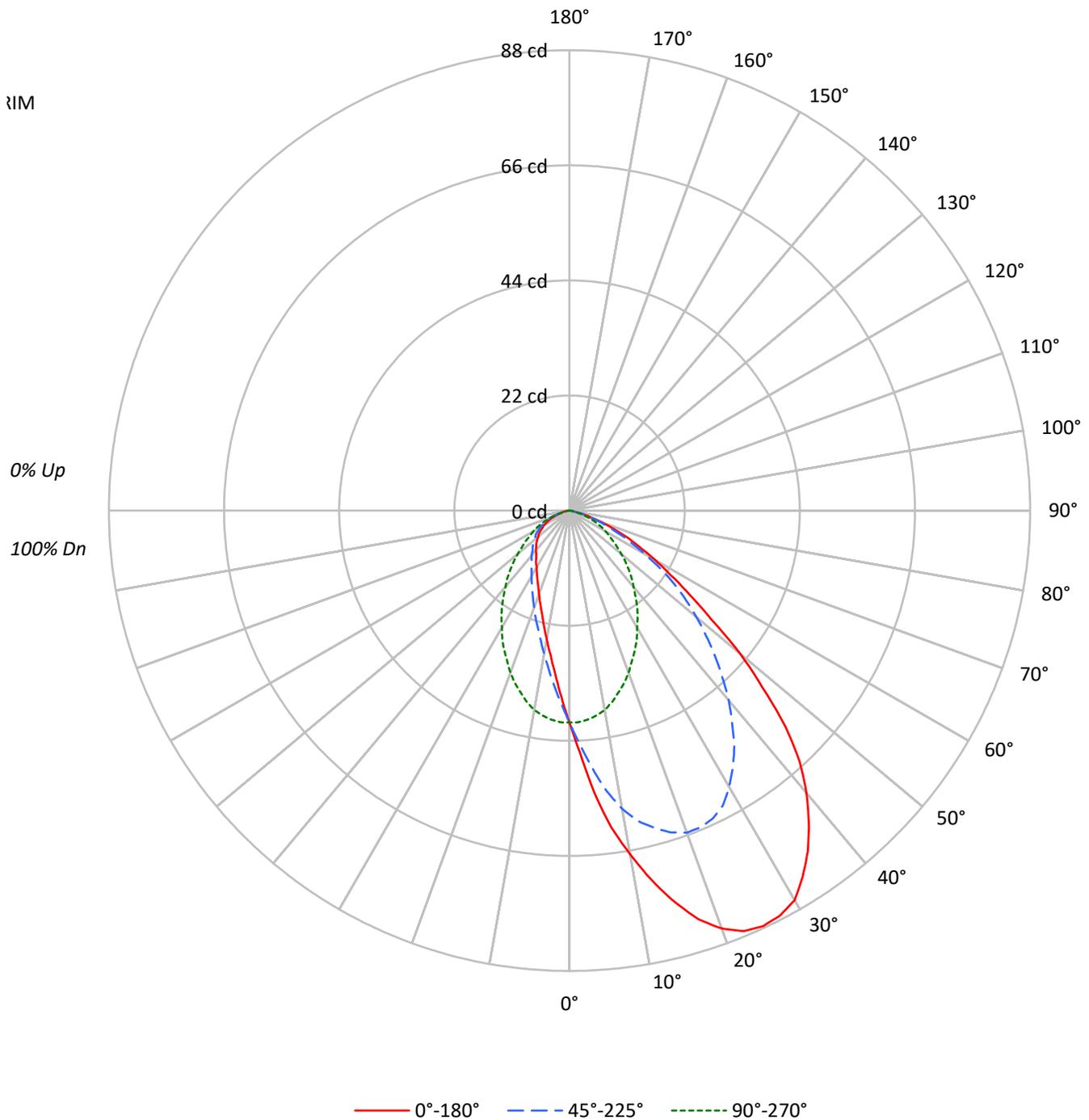
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 99.0 lumens
Efficiency: N/A
Efficacy: 27.5 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	90	88
2	102	95	89	84	100	93	88	84	90	85	82	87	83	80	84	81	78	78	78	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	68	68	66
4	87	76	68	63	85	75	68	62	73	66	61	70	65	60	68	64	60	60	60	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	53	53	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	47	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	42	42	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	38	38	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	35	35	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	32	32	30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	6975	6975	6975	6975	6975
5°	9336	8523	6933	5809	5411
10°	11664	10126	6768	4862	4372
15°	13800	11197	6419	4154	3619
20°	15578	12005	6048	3611	3116
25°	16646	12333	5606	3192	2755
30°	17102	12131	5131	2884	2486
35°	16693	11542	4731	2670	2334
40°	15827	10634	4272	2540	2248
45°	14200	9572	3897	2436	2192
50°	11414	8493	3456	2358	2090
55°	8407	7326	3063	2342	2042
60°	6476	5718	2756	2273	1963
65°	4931	4238	2404	2078	1752
70°	3323	2971	1863	1863	1460
75°	1797	1797	1198	1198	1065
80°	397	793	595	793	992
85°	0	395	395	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14200 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	4.0
10°-20°	12.1	12.3
20°-30°	18.7	18.9
30°-40°	21.3	21.5
40°-50°	19.2	19.4
50°-60°	13.5	13.6
60°-70°	7.4	7.5
70°-80°	2.5	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°	34.9	35.2
0°-40°	56.1	56.7
0°-60°	88.8	89.7
0°-90°	99.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	99.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	40	40	40	40	40	
5°	54	49	40	34	31	6
15°	77	63	36	23	20	22
25°	88	65	30	17	14	40
35°	79	55	22	13	11	49
45°	58	39	16	10	9	44
55°	28	24	10	8	7	26
65°	12	10	6	5	4	12
75°	3	3	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°	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
2.5°	46.3	46.7	46.9	46.5	46.3	46.1	45.7	45.4	45.0	44.6	44.4
5°	54.0	54.0	54.0	53.6	53.0	52.6	51.8	51.2	50.2	49.3	48.5
7.5°	61.0	61.0	60.8	60.2	59.8	58.8	57.7	56.9	55.3	54.0	52.4
10°	66.7	66.7	66.5	65.5	64.9	63.7	62.6	61.2	59.6	57.9	56.1
12.5°	72.3	72.3	71.4	70.6	69.4	67.8	66.3	64.9	62.6	60.8	58.5
15°	77.4	77.4	77.0	75.5	73.9	72.1	70.0	68.0	65.3	62.8	60.4
17.5°	81.9	81.7	81.1	79.4	77.8	75.5	73.1	70.6	67.4	64.5	61.4
20°	85.0	85.0	84.1	82.3	80.5	78.0	75.3	72.5	69.0	65.5	61.8
22.5°	87.0	86.8	86.0	84.1	81.9	79.4	76.4	73.3	69.4	65.5	61.6
25°	87.6	87.4	86.6	84.5	82.3	79.6	76.4	73.1	69.0	64.9	60.6
27.5°	87.2	87.0	86.2	83.9	81.7	78.6	75.3	71.9	67.8	63.5	59.2
30°	86.0	85.4	84.5	82.5	80.0	77.0	73.5	69.6	65.5	61.0	56.7
32.5°	82.9	82.9	81.9	79.8	77.4	74.1	70.6	66.9	62.4	58.1	53.6
35°	79.4	79.2	78.4	76.2	73.9	70.8	67.4	63.5	59.2	54.9	50.6
37.5°	75.1	74.9	74.1	72.1	69.6	66.7	63.1	59.4	55.3	51.0	47.1
40°	70.4	70.0	69.0	67.4	65.3	62.0	58.8	55.1	51.2	47.3	43.4
42.5°	65.1	64.7	63.9	62.6	60.2	57.3	54.2	50.8	47.1	43.2	40.3
45°	58.3	58.3	57.9	56.7	54.9	52.6	49.3	46.3	42.8	39.3	36.2
47.5°	50.0	50.4	50.2	49.5	48.7	46.7	44.4	41.8	38.5	35.4	32.5
50°	42.6	42.8	43.0	42.6	42.0	40.5	39.1	37.5	34.6	31.7	29.1
52.5°	34.2	34.8	34.8	35.0	35.0	34.6	34.2	32.3	30.9	28.0	25.6
55°	28.0	28.0	28.0	28.5	28.7	28.9	28.5	28.0	26.4	24.4	22.1
57.5°	22.9	22.9	23.3	23.1	23.1	23.5	23.5	23.3	22.3	20.5	18.4
60°	18.8	18.8	18.8	18.8	19.0	19.0	19.0	19.0	18.2	16.6	14.9
62.5°	15.1	15.1	15.1	15.4	15.4	15.4	15.6	15.4	14.5	13.3	11.9
65°	12.1	11.9	12.1	12.1	12.3	12.3	12.3	12.1	11.3	10.4	9.4
67.5°	9.0	9.2	9.2	9.2	9.4	9.6	9.4	9.2	8.6	7.8	7.4
70°	6.6	6.8	6.8	6.8	7.0	7.2	7.0	6.8	6.3	5.9	5.5
72.5°	4.3	4.5	4.5	4.7	4.9	4.9	4.7	4.7	4.5	4.1	3.9
75°	2.7	2.7	2.9	2.9	3.1	3.1	3.1	2.9	2.9	2.7	2.7
77.5°	1.2	1.2	1.4	1.4	1.4	1.6	1.6	1.6	1.6	1.6	1.4
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°	40.5	40.5	40.5	40.5	40.5	40.5	40.5	40.5
2.5°	44.0	43.4	42.6	40.5	38.5	36.8	35.8	35.6
5°	47.5	46.5	44.6	40.1	36.4	33.6	31.9	31.3
7.5°	51.0	49.1	46.5	39.5	34.0	30.5	28.7	27.8
10°	53.8	51.6	48.1	38.7	31.9	27.8	25.6	25.0
12.5°	56.1	53.4	49.1	37.5	29.9	25.4	23.1	22.5
15°	57.5	54.7	49.7	36.0	27.8	23.3	21.1	20.3
17.5°	58.1	54.7	49.5	34.6	26.0	21.5	19.2	18.6
20°	58.1	54.2	48.9	33.0	24.2	19.7	17.6	17.0
22.5°	57.5	53.4	47.5	31.1	22.5	18.2	16.2	15.6
25°	56.3	51.8	45.9	29.5	20.9	16.8	14.9	14.5
27.5°	54.5	50.0	43.8	27.8	19.4	15.6	13.9	13.5
30°	52.2	47.7	41.6	25.8	18.0	14.5	13.1	12.5
32.5°	49.3	45.0	39.1	24.2	16.8	13.5	12.3	11.9
35°	46.3	42.4	36.4	22.5	15.6	12.7	11.5	11.1
37.5°	43.2	39.1	34.2	20.7	14.5	11.9	10.8	10.4
40°	39.9	36.8	31.7	19.0	13.7	11.3	10.2	10.0
42.5°	36.6	33.4	28.3	17.6	12.7	10.4	9.6	9.4
45°	32.8	29.7	25.6	16.0	11.9	10.0	9.2	9.0
47.5°	29.5	26.6	22.9	14.5	11.1	9.4	8.6	8.4
50°	26.4	23.5	20.1	12.9	10.2	8.8	8.2	7.8
52.5°	22.9	20.5	17.4	11.5	9.4	8.2	7.6	7.4
55°	19.9	17.4	14.5	10.2	8.6	7.8	7.0	6.8
57.5°	16.4	14.3	12.3	9.0	7.8	7.0	6.6	6.1
60°	13.3	11.9	10.4	8.0	7.0	6.6	5.9	5.7
62.5°	10.8	9.8	8.8	7.0	6.1	5.7	5.3	4.9
65°	8.6	8.0	7.2	5.9	5.3	5.1	4.7	4.3
67.5°	6.8	6.3	5.7	4.7	4.5	4.3	3.9	3.5
70°	5.1	4.9	4.5	3.7	3.5	3.7	3.3	2.9
72.5°	3.7	3.5	3.3	2.7	2.7	2.7	2.5	2.0
75°	2.5	2.3	2.0	1.8	1.8	1.8	1.8	1.6
77.5°	1.4	1.4	1.2	1.0	1.2	1.2	1.4	1.4
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)