

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: P1308842

Luminaire Tested: LDSQA3D02R709030DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308842
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: LDSQA3D02R709030DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

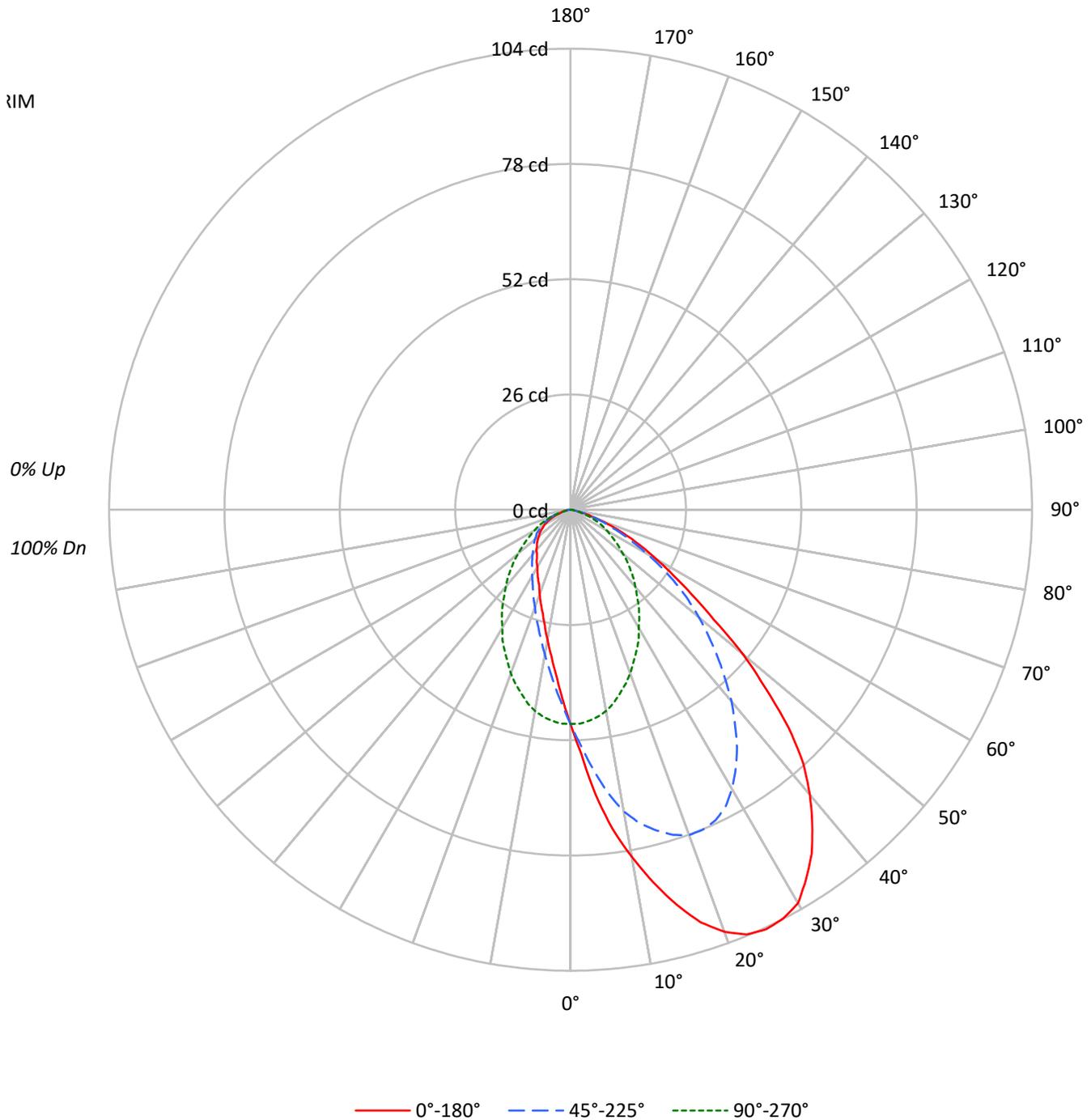
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 118.0 lumens
Efficiency: N/A
Efficacy: 32.8 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): 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	100				100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88				88
2	102	95	89	84	100	93	88	84	90	85	82	87	83	80	84	81	78	76				76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66				66
4	87	76	68	63	85	75	68	62	73	66	61	70	65	60	68	64	60	58				58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51				51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45				45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40				40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36				36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33				33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30				30

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	8318	8318	8318	8318	8318
5°	11134	10165	8264	6915	6448
10°	13903	12084	8062	5806	5211
15°	16439	13355	7649	4957	4315
20°	18566	14314	7203	4289	3720
25°	19839	14689	6670	3801	3287
30°	20384	14458	6105	3440	2963
35°	19910	13750	5635	3175	2775
40°	18862	12680	5103	3013	2698
45°	16927	11399	4628	2923	2606
50°	13611	10128	4126	2813	2492
55°	10029	8708	3663	2792	2432
60°	7716	6820	3272	2687	2342
65°	5868	5053	2893	2486	2078
70°	3928	3575	2216	2216	1712
75°	2129	2129	1464	1464	1331
80°	496	992	694	992	1190
85°	0	395	395	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16927 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	4.0
10°-20°	14.5	12.3
20°-30°	22.3	18.9
30°-40°	25.3	21.5
40°-50°	22.9	19.4
50°-60°	16.0	13.6
60°-70°	8.8	7.5
70°-80°	3.0	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°	41.6	35.2
0°-40°	66.9	56.7
0°-60°	105.8	89.7
0°-90°	118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	118.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	48	48	48	48	48	
5°	64	59	48	40	37	7
15°	92	75	43	28	24	26
25°	104	77	35	20	17	48
35°	95	65	27	15	13	59
45°	70	47	19	12	11	53
55°	33	29	12	9	8	31
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°	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
2.5°	55.1	55.6	55.9	55.4	55.1	54.9	54.4	54.2	53.7	53.2	52.9
5°	64.4	64.4	64.4	63.9	63.2	62.7	61.7	61.0	59.8	58.8	57.8
7.5°	72.7	72.7	72.5	71.7	71.2	70.0	68.8	67.8	65.9	64.4	62.5
10°	79.5	79.5	79.3	78.1	77.3	75.9	74.7	73.0	71.0	69.1	66.9
12.5°	86.1	86.1	85.2	84.2	82.7	80.8	79.1	77.3	74.7	72.5	69.8
15°	92.2	92.2	91.7	90.0	88.1	85.9	83.4	81.0	77.8	74.9	72.0
17.5°	97.6	97.4	96.6	94.7	92.7	90.0	87.1	84.2	80.3	76.9	73.2
20°	101.3	101.3	100.3	98.1	95.9	93.0	89.8	86.4	82.2	78.1	73.7
22.5°	103.7	103.5	102.5	100.3	97.6	94.7	91.0	87.4	82.7	78.1	73.4
25°	104.4	104.2	103.2	100.8	98.1	94.9	91.0	87.1	82.2	77.3	72.2
27.5°	103.9	103.7	102.7	100.0	97.4	93.7	89.8	85.6	80.8	75.6	70.5
30°	102.5	101.7	100.8	98.3	95.4	91.7	87.6	83.0	78.1	72.7	67.6
32.5°	98.8	98.8	97.6	95.2	92.2	88.3	84.2	79.8	74.4	69.3	63.9
35°	94.7	94.4	93.5	90.8	88.1	84.4	80.3	75.6	70.5	65.4	60.3
37.5°	89.5	89.3	88.3	85.9	83.0	79.5	75.2	70.8	65.9	60.8	56.1
40°	83.9	83.4	82.2	80.3	77.8	73.9	70.0	65.6	61.0	56.4	51.7
42.5°	77.6	77.1	76.1	74.7	71.7	68.3	64.7	60.5	56.1	51.5	48.1
45°	69.5	69.5	69.1	67.6	65.4	62.7	58.8	55.1	51.0	46.8	43.2
47.5°	59.5	60.0	59.8	59.0	58.1	55.6	52.9	49.8	45.9	42.2	38.8
50°	50.8	51.0	51.2	50.8	50.0	48.3	46.6	44.7	41.2	37.8	34.6
52.5°	40.7	41.5	41.5	41.7	41.7	41.2	40.7	38.6	36.8	33.4	30.5
55°	33.4	33.4	33.4	33.9	34.2	34.4	33.9	33.4	31.5	29.0	26.4
57.5°	27.3	27.3	27.8	27.6	27.6	28.1	28.1	27.8	26.6	24.4	22.0
60°	22.4	22.4	22.4	22.4	22.7	22.7	22.7	22.7	21.7	19.8	17.8
62.5°	18.1	18.1	18.1	18.3	18.3	18.3	18.5	18.3	17.3	15.9	14.2
65°	14.4	14.2	14.4	14.4	14.6	14.6	14.6	14.4	13.4	12.4	11.2
67.5°	10.7	11.0	11.0	11.0	11.2	11.5	11.2	11.0	10.2	9.3	8.8
70°	7.8	8.1	8.1	8.1	8.3	8.5	8.3	8.1	7.6	7.1	6.6
72.5°	5.1	5.4	5.4	5.6	5.9	5.9	5.6	5.6	5.4	4.9	4.6
75°	3.2	3.2	3.4	3.4	3.7	3.7	3.7	3.4	3.4	3.2	3.2
77.5°	1.5	1.5	1.7	1.7	1.7	2.0	2.0	2.0	2.0	2.0	1.7
80°	0.5	0.5	0.5	0.5	0.5	0.7	0.7	0.7	1.0	1.0	1.0
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°	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
2.5°	52.5	51.7	50.8	48.3	45.9	43.9	42.7	42.5
5°	56.6	55.4	53.2	47.8	43.4	40.0	38.1	37.3
7.5°	60.8	58.6	55.4	47.1	40.5	36.4	34.2	33.2
10°	64.2	61.5	57.3	46.1	38.1	33.2	30.5	29.8
12.5°	66.9	63.7	58.6	44.7	35.6	30.3	27.6	26.8
15°	68.6	65.1	59.3	42.9	33.2	27.8	25.1	24.2
17.5°	69.3	65.1	59.0	41.2	31.0	25.6	22.9	22.2
20°	69.3	64.7	58.3	39.3	28.8	23.4	21.0	20.3
22.5°	68.6	63.7	56.6	37.1	26.8	21.7	19.3	18.5
25°	67.1	61.7	54.7	35.1	24.9	20.0	17.8	17.3
27.5°	64.9	59.5	52.2	33.2	23.2	18.5	16.6	16.1
30°	62.2	56.9	49.5	30.7	21.5	17.3	15.6	14.9
32.5°	58.8	53.7	46.6	28.8	20.0	16.1	14.6	14.2
35°	55.1	50.5	43.4	26.8	18.5	15.1	13.7	13.2
37.5°	51.5	46.6	40.7	24.6	17.3	14.2	12.9	12.4
40°	47.6	43.9	37.8	22.7	16.3	13.4	12.2	12.0
42.5°	43.7	39.8	33.7	21.0	15.1	12.4	11.5	11.2
45°	39.0	35.4	30.5	19.0	14.2	12.0	11.0	10.7
47.5°	35.1	31.7	27.3	17.3	13.2	11.2	10.2	10.0
50°	31.5	28.1	23.9	15.4	12.2	10.5	9.8	9.3
52.5°	27.3	24.4	20.7	13.7	11.2	9.8	9.0	8.8
55°	23.7	20.7	17.3	12.2	10.2	9.3	8.3	8.1
57.5°	19.5	17.1	14.6	10.7	9.3	8.3	7.8	7.3
60°	15.9	14.2	12.4	9.5	8.3	7.8	7.1	6.8
62.5°	12.9	11.7	10.5	8.3	7.3	6.8	6.3	5.9
65°	10.2	9.5	8.5	7.1	6.3	6.1	5.6	5.1
67.5°	8.1	7.6	6.8	5.6	5.4	5.1	4.6	4.1
70°	6.1	5.9	5.4	4.4	4.1	4.4	3.9	3.4
72.5°	4.4	4.1	3.9	3.2	3.2	3.2	2.9	2.4
75°	2.9	2.7	2.4	2.2	2.2	2.2	2.2	2.0
77.5°	1.7	1.7	1.5	1.2	1.5	1.5	1.7	1.7
80°	0.7	0.7	0.7	0.7	1.0	1.0	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)