

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: P1318883

Luminaire Tested: LDSQA3D02R709835DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318883
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: LDSQA3D02R709835DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

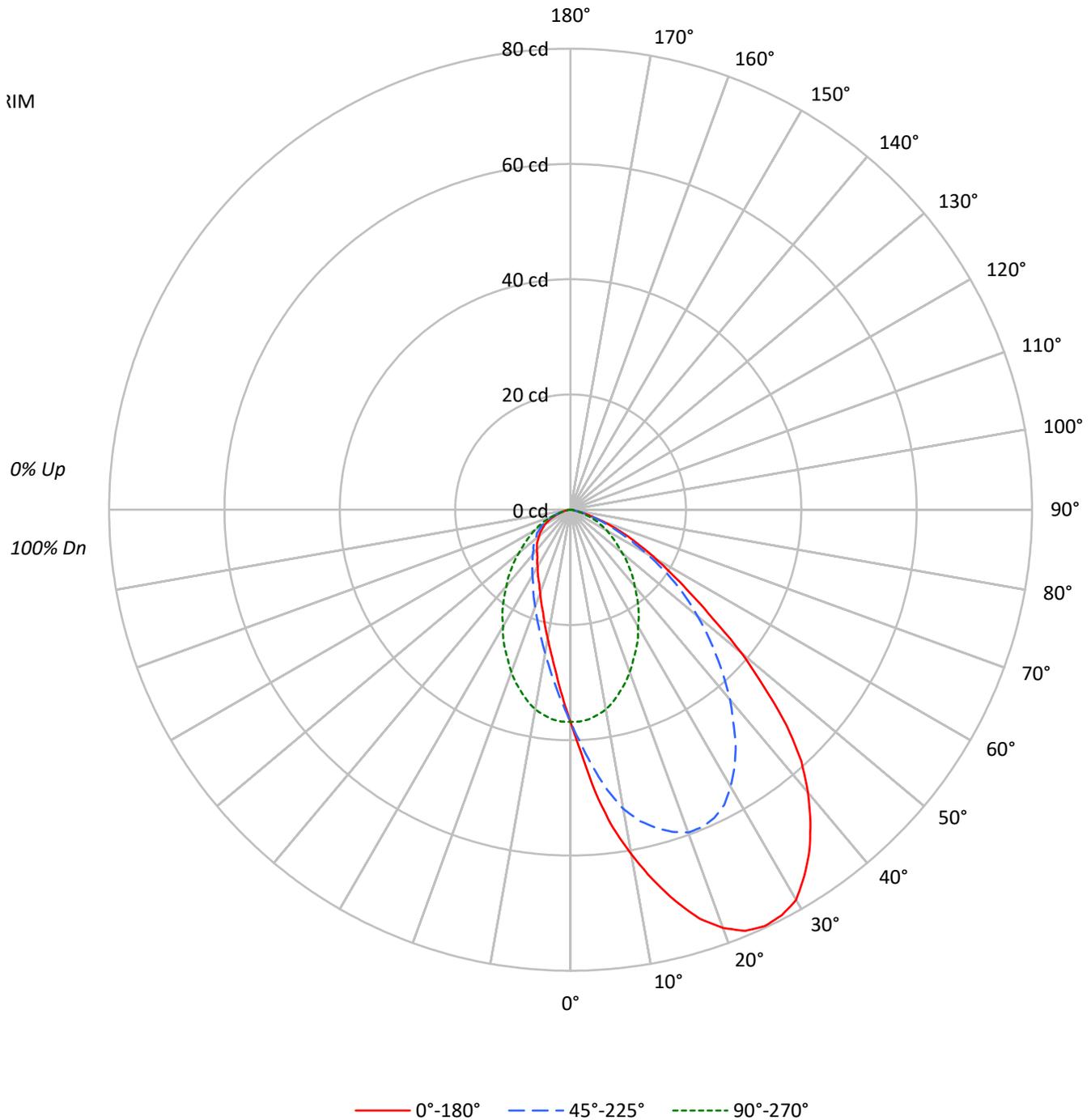
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 90.0 lumens
Efficiency: N/A
Efficacy: 25.0 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.34
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°	6338	6338	6338	6338	6338
5°	8488	7762	6310	5273	4927
10°	10615	9216	6156	4424	3970
15°	12534	10181	5848	3780	3281
20°	14149	10923	5498	3281	2822
25°	15145	11212	5093	2907	2508
30°	15551	11037	4653	2625	2267
35°	15180	10491	4310	2418	2102
40°	14389	9667	3889	2293	2046
45°	12909	8695	3532	2216	1997
50°	10369	7716	3135	2143	1902
55°	7657	6636	2792	2132	1832
60°	5890	5201	2514	2067	1791
65°	4483	3871	2201	1915	1589
70°	3021	2719	1662	1662	1309
75°	1597	1597	1131	1131	998
80°	397	694	595	694	893
85°	0	395	395	790	790

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12909 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	4.0
10°-20°	11.0	12.3
20°-30°	17.0	18.9
30°-40°	19.3	21.5
40°-50°	17.5	19.4
50°-60°	12.2	13.6
60°-70°	6.7	7.5
70°-80°	2.2	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°	31.7	35.2
0°-40°	51.0	56.7
0°-60°	80.7	89.7
0°-90°	90.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	90.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	37	37	37	37	37	
5°	49	45	36	30	28	5
15°	70	57	33	21	18	20
25°	80	59	27	15	13	37
35°	72	50	20	12	10	45
45°	53	36	14	9	8	40
55°	26	22	9	7	6	23
65°	11	10	5	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°	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
2.5°	42.1	42.4	42.6	42.2	42.1	41.9	41.5	41.3	40.9	40.6	40.4
5°	49.1	49.1	49.1	48.8	48.2	47.8	47.1	46.5	45.6	44.9	44.1
7.5°	55.5	55.5	55.3	54.7	54.3	53.4	52.5	51.7	50.2	49.1	47.6
10°	60.7	60.7	60.5	59.6	59.0	57.9	56.9	55.6	54.2	52.7	51.0
12.5°	65.7	65.7	65.0	64.2	63.1	61.6	60.3	59.0	56.9	55.3	53.2
15°	70.3	70.3	70.0	68.7	67.2	65.5	63.6	61.8	59.4	57.1	54.9
17.5°	74.4	74.3	73.7	72.2	70.7	68.7	66.4	64.2	61.2	58.6	55.8
20°	77.2	77.2	76.5	74.8	73.1	70.9	68.5	65.9	62.7	59.6	56.2
22.5°	79.1	78.9	78.2	76.5	74.4	72.2	69.4	66.6	63.1	59.6	56.0
25°	79.7	79.5	78.7	76.9	74.8	72.4	69.4	66.4	62.7	59.0	55.1
27.5°	79.3	79.1	78.3	76.3	74.3	71.5	68.5	65.3	61.6	57.7	53.8
30°	78.2	77.6	76.9	75.0	72.8	70.0	66.8	63.3	59.6	55.5	51.6
32.5°	75.4	75.4	74.4	72.6	70.3	67.4	64.2	60.9	56.8	52.9	48.8
35°	72.2	72.0	71.3	69.2	67.2	64.4	61.2	57.7	53.8	49.9	46.0
37.5°	68.3	68.1	67.4	65.5	63.3	60.7	57.3	54.0	50.2	46.3	42.8
40°	64.0	63.6	62.7	61.2	59.4	56.4	53.4	50.1	46.5	43.0	39.5
42.5°	59.2	58.8	58.1	56.9	54.7	52.1	49.3	46.2	42.8	39.3	36.7
45°	53.0	53.0	52.7	51.6	49.9	47.8	44.9	42.1	38.9	35.7	32.9
47.5°	45.4	45.8	45.6	45.0	44.3	42.4	40.4	38.0	35.0	32.2	29.6
50°	38.7	38.9	39.1	38.7	38.2	36.8	35.5	34.1	31.5	28.8	26.4
52.5°	31.1	31.6	31.6	31.8	31.8	31.5	31.1	29.4	28.1	25.5	23.3
55°	25.5	25.5	25.5	25.9	26.1	26.2	25.9	25.5	24.0	22.1	20.1
57.5°	20.8	20.8	21.2	21.0	21.0	21.4	21.4	21.2	20.3	18.6	16.7
60°	17.1	17.1	17.1	17.1	17.3	17.3	17.3	17.3	16.6	15.1	13.6
62.5°	13.8	13.8	13.8	14.0	14.0	14.0	14.1	14.0	13.2	12.1	10.8
65°	11.0	10.8	11.0	11.0	11.2	11.2	11.2	11.0	10.2	9.5	8.6
67.5°	8.2	8.4	8.4	8.4	8.6	8.7	8.6	8.4	7.8	7.1	6.7
70°	6.0	6.1	6.1	6.1	6.3	6.5	6.3	6.1	5.8	5.4	5.0
72.5°	3.9	4.1	4.1	4.3	4.5	4.5	4.3	4.3	4.1	3.7	3.5
75°	2.4	2.4	2.6	2.6	2.8	2.8	2.8	2.6	2.6	2.4	2.4
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	0.7	0.7	0.7
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°	36.8	36.8	36.8	36.8	36.8	36.8	36.8	36.8
2.5°	40.0	39.5	38.7	36.8	35.0	33.5	32.6	32.4
5°	43.2	42.2	40.6	36.5	33.1	30.5	29.0	28.5
7.5°	46.3	44.7	42.2	35.9	30.9	27.7	26.1	25.3
10°	48.9	46.9	43.7	35.2	29.0	25.3	23.3	22.7
12.5°	51.0	48.6	44.7	34.1	27.2	23.1	21.0	20.5
15°	52.3	49.7	45.2	32.8	25.3	21.2	19.2	18.4
17.5°	52.9	49.7	45.0	31.5	23.6	19.5	17.5	16.9
20°	52.9	49.3	44.5	30.0	22.0	17.9	16.0	15.4
22.5°	52.3	48.6	43.2	28.3	20.5	16.6	14.7	14.1
25°	51.2	47.1	41.7	26.8	19.0	15.3	13.6	13.2
27.5°	49.5	45.4	39.8	25.3	17.7	14.1	12.7	12.3
30°	47.5	43.4	37.8	23.4	16.4	13.2	11.9	11.4
32.5°	44.9	40.9	35.5	22.0	15.3	12.3	11.2	10.8
35°	42.1	38.5	33.1	20.5	14.1	11.5	10.4	10.0
37.5°	39.3	35.5	31.1	18.8	13.2	10.8	9.9	9.5
40°	36.3	33.5	28.8	17.3	12.5	10.2	9.3	9.1
42.5°	33.3	30.3	25.7	16.0	11.5	9.5	8.7	8.6
45°	29.8	27.0	23.3	14.5	10.8	9.1	8.4	8.2
47.5°	26.8	24.2	20.8	13.2	10.0	8.6	7.8	7.6
50°	24.0	21.4	18.2	11.7	9.3	8.0	7.4	7.1
52.5°	20.8	18.6	15.8	10.4	8.6	7.4	6.9	6.7
55°	18.1	15.8	13.2	9.3	7.8	7.1	6.3	6.1
57.5°	14.9	13.0	11.2	8.2	7.1	6.3	6.0	5.6
60°	12.1	10.8	9.5	7.3	6.3	6.0	5.4	5.2
62.5°	9.9	8.9	8.0	6.3	5.6	5.2	4.8	4.5
65°	7.8	7.3	6.5	5.4	4.8	4.7	4.3	3.9
67.5°	6.1	5.8	5.2	4.3	4.1	3.9	3.5	3.2
70°	4.7	4.5	4.1	3.3	3.2	3.3	3.0	2.6
72.5°	3.3	3.2	3.0	2.4	2.4	2.4	2.2	1.9
75°	2.2	2.0	1.9	1.7	1.7	1.7	1.7	1.5
77.5°	1.3	1.3	1.1	0.9	1.1	1.1	1.3	1.3
80°	0.6	0.6	0.6	0.6	0.7	0.7	0.9	0.9
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)