

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: P1325653

Luminaire Tested: LDSQA3D05R70W2N902750DE010 3LSQCLSWWR 1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325653
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: LDSQA3D05R70W2N902750DE010 3LSQCLSWWR 1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3500K CCT AND, 90CRI ,
3LSQCLSWWR 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

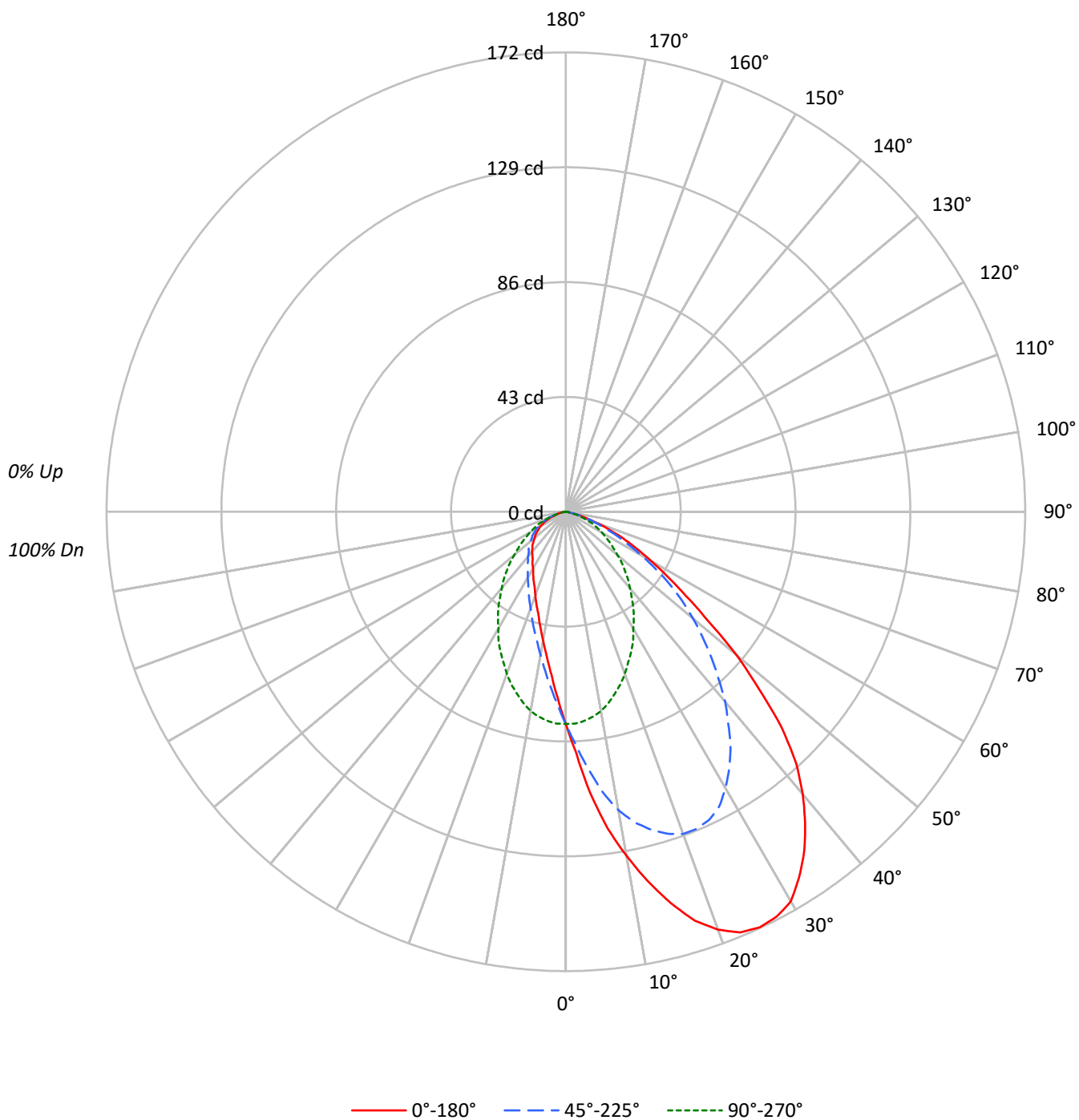
Lumens per Lamp: N/A
Luminaire Lumens: 194.0 lumens
Efficiency: N/A
Efficacy: 32.9 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
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	83	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°	13674	13674	13674	13674	13674
5°	18308	16718	13588	11376	10615
10°	22874	19849	13256	9548	8552
15°	27030	21966	12588	8148	7078
20°	30515	23533	11840	7056	6103
25°	32628	24171	10984	6252	5416
30°	33509	23764	10043	5668	4872
35°	32714	22601	9272	5235	4562
40°	31025	20841	8386	4969	4429
45°	27839	18754	7623	4798	4311
50°	22345	16665	6779	4608	4073
55°	16514	14322	6035	4564	3963
60°	12710	11194	5373	4409	3858
65°	9658	8354	4727	4075	3423
70°	6445	5841	3626	3626	2820
75°	3460	3460	2396	2396	2129
80°	793	1587	1190	1587	1984
85°	0	790	790	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 27839 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.8	4.0
10°-20°	23.8	12.3
20°-30°	36.7	18.9
30°-40°	41.7	21.5
40°-50°	37.7	19.4
50°-60°	26.3	13.6
60°-70°	14.5	7.5
70°-80°	4.8	2.5
80°-90°	0.6	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°	68.3	35.2
0°-40°	110.0	56.7
0°-60°	174.0	89.7
0°-90°	194.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	194.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	79	79	79	79	79	
5°	106	97	79	66	61	11
15°	152	123	71	46	40	43
25°	172	127	58	33	28	79
35°	156	108	44	25	22	97
45°	114	77	31	20	18	87
55°	55	48	20	15	13	51
65°	24	20	12	10	8	24
75°	5	5	4	4	3	6
85°	0	0	0	1	1	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°	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
2.5°	90.7	91.5	91.9	91.1	90.7	90.3	89.5	89.1	88.3	87.5	87.1
5°	105.9	105.9	105.9	105.1	103.9	103.1	101.5	100.3	98.3	96.7	95.1
7.5°	119.5	119.5	119.1	117.9	117.1	115.1	113.1	111.5	108.3	105.9	102.7
10°	130.8	130.8	130.4	128.4	127.2	124.8	122.8	119.9	116.7	113.5	109.9
12.5°	141.6	141.6	140.0	138.4	136.0	132.8	130.0	127.2	122.8	119.1	114.7
15°	151.6	151.6	150.8	148.0	144.8	141.2	137.2	133.2	128.0	123.2	118.3
17.5°	160.5	160.1	158.9	155.6	152.4	148.0	143.2	138.4	132.0	126.4	120.3
20°	166.5	166.5	164.9	161.3	157.7	152.8	147.6	142.0	135.2	128.4	121.1
22.5°	170.5	170.1	168.5	164.9	160.5	155.6	149.6	143.6	136.0	128.4	120.7
25°	171.7	171.3	169.7	165.7	161.3	156.0	149.6	143.2	135.2	127.2	118.7
27.5°	170.9	170.5	168.9	164.5	160.1	154.0	147.6	140.8	132.8	124.4	115.9
30°	168.5	167.3	165.7	161.7	156.9	150.8	144.0	136.4	128.4	119.5	111.1
32.5°	162.5	162.5	160.5	156.5	151.6	145.2	138.4	131.2	122.4	113.9	105.1
35°	155.6	155.2	153.6	149.2	144.8	138.8	132.0	124.4	115.9	107.5	99.1
37.5°	147.2	146.8	145.2	141.2	136.4	130.8	123.6	116.3	108.3	99.9	92.3
40°	138.0	137.2	135.2	132.0	128.0	121.6	115.1	107.9	100.3	92.7	85.0
42.5°	127.6	126.8	125.2	122.8	117.9	112.3	106.3	99.5	92.3	84.6	79.0
45°	114.3	114.3	113.5	111.1	107.5	103.1	96.7	90.7	83.8	77.0	71.0
47.5°	97.9	98.7	98.3	97.1	95.5	91.5	87.1	81.8	75.4	69.4	63.8
50°	83.4	83.8	84.2	83.4	82.2	79.4	76.6	73.4	67.8	62.2	57.0
52.5°	67.0	68.2	68.2	68.6	68.6	67.8	67.0	63.4	60.6	55.0	50.1
55°	55.0	55.0	55.0	55.8	56.2	56.6	55.8	55.0	51.7	47.7	43.3
57.5°	44.9	44.9	45.7	45.3	45.3	46.1	46.1	45.7	43.7	40.1	36.1
60°	36.9	36.9	36.9	36.9	37.3	37.3	37.3	37.3	35.7	32.5	29.3
62.5°	29.7	29.7	29.7	30.1	30.1	30.1	30.5	30.1	28.5	26.1	23.3
65°	23.7	23.3	23.7	23.7	24.1	24.1	24.1	23.7	22.1	20.5	18.5
67.5°	17.7	18.1	18.1	18.1	18.5	18.9	18.5	18.1	16.8	15.2	14.4
70°	12.8	13.2	13.2	13.2	13.6	14.0	13.6	13.2	12.4	11.6	10.8
72.5°	8.4	8.8	8.8	9.2	9.6	9.6	9.2	9.2	8.8	8.0	7.6
75°	5.2	5.2	5.6	5.6	6.0	6.0	6.0	5.6	5.6	5.2	5.2
77.5°	2.4	2.4	2.8	2.8	2.8	3.2	3.2	3.2	3.2	3.2	2.8
80°	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.6	1.6	1.6
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
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°	79.4	79.4	79.4	79.4	79.4	79.4	79.4	79.4
2.5°	86.2	85.0	83.4	79.4	75.4	72.2	70.2	69.8
5°	93.1	91.1	87.5	78.6	71.4	65.8	62.6	61.4
7.5°	99.9	96.3	91.1	77.4	66.6	59.8	56.2	54.6
10°	105.5	101.1	94.3	75.8	62.6	54.6	50.1	48.9
12.5°	109.9	104.7	96.3	73.4	58.6	49.7	45.3	44.1
15°	112.7	107.1	97.5	70.6	54.6	45.7	41.3	39.7
17.5°	113.9	107.1	97.1	67.8	50.9	42.1	37.7	36.5
20°	113.9	106.3	95.9	64.6	47.3	38.5	34.5	33.3
22.5°	112.7	104.7	93.1	61.0	44.1	35.7	31.7	30.5
25°	110.3	101.5	89.9	57.8	40.9	32.9	29.3	28.5
27.5°	106.7	97.9	85.8	54.6	38.1	30.5	27.3	26.5
30°	102.3	93.5	81.4	50.5	35.3	28.5	25.7	24.5
32.5°	96.7	88.3	76.6	47.3	32.9	26.5	24.1	23.3
35°	90.7	83.0	71.4	44.1	30.5	24.9	22.5	21.7
37.5°	84.6	76.6	67.0	40.5	28.5	23.3	21.3	20.5
40°	78.2	72.2	62.2	37.3	26.9	22.1	20.1	19.7
42.5°	71.8	65.4	55.4	34.5	24.9	20.5	18.9	18.5
45°	64.2	58.2	50.1	31.3	23.3	19.7	18.1	17.7
47.5°	57.8	52.2	44.9	28.5	21.7	18.5	16.8	16.4
50°	51.7	46.1	39.3	25.3	20.1	17.2	16.0	15.2
52.5°	44.9	40.1	34.1	22.5	18.5	16.0	14.8	14.4
55°	38.9	34.1	28.5	20.1	16.8	15.2	13.6	13.2
57.5°	32.1	28.1	24.1	17.7	15.2	13.6	12.8	12.0
60°	26.1	23.3	20.5	15.6	13.6	12.8	11.6	11.2
62.5°	21.3	19.3	17.2	13.6	12.0	11.2	10.4	9.6
65°	16.8	15.6	14.0	11.6	10.4	10.0	9.2	8.4
67.5°	13.2	12.4	11.2	9.2	8.8	8.4	7.6	6.8
70°	10.0	9.6	8.8	7.2	6.8	7.2	6.4	5.6
72.5°	7.2	6.8	6.4	5.2	5.2	5.2	4.8	4.0
75°	4.8	4.4	4.0	3.6	3.6	3.6	3.6	3.2
77.5°	2.8	2.8	2.4	2.0	2.4	2.4	2.8	2.8
80°	1.2	1.2	1.2	1.2	1.6	1.6	2.0	2.0
82.5°	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2
85°	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
87.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)