

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: P1325651

Luminaire Tested: LDSQA3D05R70W2N902750DE010 3LSQCLSWWR 1MW_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325651
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
3LSQCLSWWR 1MW TRIM
Light Source: -
Ballast/Driver: -

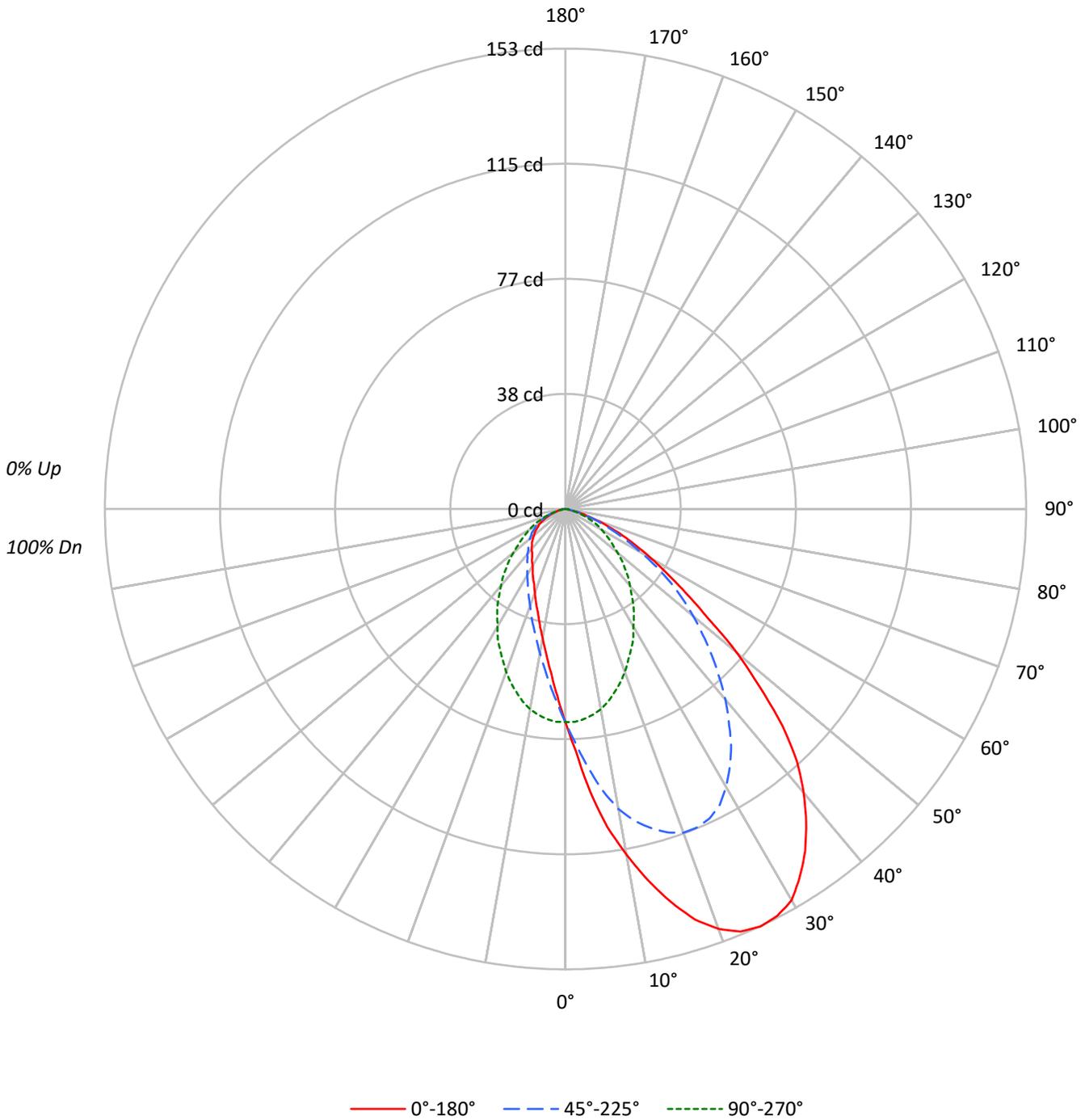
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 173.0 lumens
Efficiency: N/A
Efficacy: 29.3 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	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	100	100	
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88	88	88	88	
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76	76	76	76	
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66	66	66	66	
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58	58	58	58	
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51	51	51	51	
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45	45	45	45	
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40	40	40	40	
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36	36	36	36	
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33	33	33	33	
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30	30	30	30	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	12193	12193	12193	12193	12193
5°	16320	14902	12119	10148	9457
10°	20391	17698	11822	8517	7625
15°	24106	19577	11233	7275	6312
20°	27216	20985	10557	6286	5443
25°	29093	21549	9786	5568	4827
30°	29870	21199	8969	5051	4335
35°	29182	20162	8284	4667	4058
40°	27675	18570	7487	4429	3934
45°	24843	16733	6795	4262	3824
50°	19934	14843	6028	4126	3644
55°	14713	12791	5375	4084	3543
60°	11332	9989	4822	3927	3444
65°	8599	7417	4238	3627	3056
70°	5740	5237	3223	3223	2518
75°	3127	3127	2129	2129	1930
80°	694	1389	1091	1389	1785
85°	0	790	790	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24843 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	4.0
10°-20°	21.2	12.3
20°-30°	32.7	18.9
30°-40°	37.1	21.5
40°-50°	33.6	19.4
50°-60°	23.5	13.6
60°-70°	12.9	7.5
70°-80°	4.3	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°	61.0	35.2
0°-40°	98.1	56.7
0°-60°	155.2	89.7
0°-90°	173.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	173.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	71	71	71	71	71	
5°	94	86	70	59	55	10
15°	135	110	63	41	35	39
25°	153	113	52	29	25	70
35°	139	96	39	22	19	86
45°	102	69	28	18	16	77
55°	49	43	18	14	12	45
65°	21	18	10	9	8	21
75°	5	5	3	3	3	5
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°	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
2.5°	80.8	81.6	81.9	81.2	80.8	80.5	79.8	79.4	78.7	78.0	77.6
5°	94.4	94.4	94.4	93.7	92.7	91.9	90.5	89.4	87.6	86.2	84.8
7.5°	106.6	106.6	106.2	105.2	104.5	102.7	100.9	99.4	96.6	94.4	91.6
10°	116.6	116.6	116.3	114.5	113.4	111.3	109.5	107.0	104.1	101.2	98.0
12.5°	126.3	126.3	124.8	123.4	121.3	118.4	115.9	113.4	109.5	106.2	102.3
15°	135.2	135.2	134.5	132.0	129.1	125.9	122.3	118.8	114.1	109.8	105.5
17.5°	143.1	142.7	141.7	138.8	135.9	132.0	127.7	123.4	117.7	112.7	107.3
20°	148.5	148.5	147.0	143.8	140.6	136.3	131.6	126.6	120.6	114.5	108.0
22.5°	152.0	151.7	150.2	147.0	143.1	138.8	133.4	128.1	121.3	114.5	107.7
25°	153.1	152.8	151.3	147.7	143.8	139.2	133.4	127.7	120.6	113.4	105.9
27.5°	152.4	152.0	150.6	146.7	142.7	137.4	131.6	125.6	118.4	110.9	103.4
30°	150.2	149.2	147.7	144.2	139.9	134.5	128.4	121.6	114.5	106.6	99.1
32.5°	144.9	144.9	143.1	139.5	135.2	129.5	123.4	117.0	109.1	101.6	93.7
35°	138.8	138.4	137.0	133.1	129.1	123.8	117.7	110.9	103.4	95.9	88.4
37.5°	131.3	130.9	129.5	125.9	121.6	116.6	110.2	103.7	96.6	89.1	82.3
40°	123.1	122.3	120.6	117.7	114.1	108.4	102.7	96.2	89.4	82.6	75.8
42.5°	113.8	113.0	111.6	109.5	105.2	100.2	94.8	88.7	82.3	75.5	70.5
45°	102.0	102.0	101.2	99.1	95.9	91.9	86.2	80.8	74.8	68.7	63.3
47.5°	87.3	88.0	87.6	86.6	85.1	81.6	77.6	73.0	67.3	61.9	56.9
50°	74.4	74.8	75.1	74.4	73.3	70.8	68.3	65.5	60.5	55.4	50.8
52.5°	59.7	60.8	60.8	61.2	61.2	60.5	59.7	56.5	54.0	49.0	44.7
55°	49.0	49.0	49.0	49.7	50.1	50.4	49.7	49.0	46.1	42.6	38.6
57.5°	40.1	40.1	40.8	40.4	40.4	41.1	41.1	40.8	39.0	35.8	32.2
60°	32.9	32.9	32.9	32.9	33.3	33.3	33.3	33.3	31.8	29.0	26.1
62.5°	26.5	26.5	26.5	26.8	26.8	26.8	27.2	26.8	25.4	23.3	20.7
65°	21.1	20.7	21.1	21.1	21.5	21.5	21.5	21.1	19.7	18.2	16.5
67.5°	15.7	16.1	16.1	16.1	16.5	16.8	16.5	16.1	15.0	13.6	12.9
70°	11.4	11.8	11.8	11.8	12.2	12.5	12.2	11.8	11.1	10.4	9.7
72.5°	7.5	7.9	7.9	8.2	8.6	8.6	8.2	8.2	7.9	7.2	6.8
75°	4.7	4.7	5.0	5.0	5.4	5.4	5.4	5.0	5.0	4.7	4.7
77.5°	2.1	2.1	2.5	2.5	2.5	2.9	2.9	2.9	2.9	2.9	2.5
80°	0.7	0.7	0.7	0.7	0.7	1.1	1.1	1.1	1.4	1.4	1.4
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7
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°	70.8	70.8	70.8	70.8	70.8	70.8	70.8	70.8
2.5°	76.9	75.8	74.4	70.8	67.3	64.4	62.6	62.2
5°	83.0	81.2	78.0	70.1	63.7	58.7	55.8	54.7
7.5°	89.1	85.9	81.2	69.0	59.4	53.3	50.1	48.7
10°	94.1	90.1	84.1	67.6	55.8	48.7	44.7	43.6
12.5°	98.0	93.4	85.9	65.5	52.2	44.4	40.4	39.4
15°	100.5	95.5	86.9	63.0	48.7	40.8	36.8	35.4
17.5°	101.6	95.5	86.6	60.5	45.4	37.6	33.6	32.6
20°	101.6	94.8	85.5	57.6	42.2	34.3	30.8	29.7
22.5°	100.5	93.4	83.0	54.4	39.4	31.8	28.3	27.2
25°	98.4	90.5	80.1	51.5	36.5	29.3	26.1	25.4
27.5°	95.2	87.3	76.6	48.7	34.0	27.2	24.3	23.6
30°	91.2	83.4	72.6	45.1	31.5	25.4	22.9	21.8
32.5°	86.2	78.7	68.3	42.2	29.3	23.6	21.5	20.7
35°	80.8	74.1	63.7	39.4	27.2	22.2	20.0	19.3
37.5°	75.5	68.3	59.7	36.1	25.4	20.7	19.0	18.2
40°	69.8	64.4	55.4	33.3	24.0	19.7	17.9	17.5
42.5°	64.0	58.3	49.4	30.8	22.2	18.2	16.8	16.5
45°	57.2	51.9	44.7	27.9	20.7	17.5	16.1	15.7
47.5°	51.5	46.5	40.1	25.4	19.3	16.5	15.0	14.7
50°	46.1	41.1	35.1	22.5	17.9	15.4	14.3	13.6
52.5°	40.1	35.8	30.4	20.0	16.5	14.3	13.2	12.9
55°	34.7	30.4	25.4	17.9	15.0	13.6	12.2	11.8
57.5°	28.6	25.0	21.5	15.7	13.6	12.2	11.4	10.7
60°	23.3	20.7	18.2	14.0	12.2	11.4	10.4	10.0
62.5°	19.0	17.2	15.4	12.2	10.7	10.0	9.3	8.6
65°	15.0	14.0	12.5	10.4	9.3	8.9	8.2	7.5
67.5°	11.8	11.1	10.0	8.2	7.9	7.5	6.8	6.1
70°	8.9	8.6	7.9	6.4	6.1	6.4	5.7	5.0
72.5°	6.4	6.1	5.7	4.7	4.7	4.7	4.3	3.6
75°	4.3	3.9	3.6	3.2	3.2	3.2	3.2	2.9
77.5°	2.5	2.5	2.1	1.8	2.1	2.1	2.5	2.5
80°	1.1	1.1	1.1	1.1	1.4	1.4	1.8	1.8
82.5°	0.7	0.7	0.7	0.7	1.1	1.1	1.1	1.1
85°	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7
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)