

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: P1325741

Luminaire Tested: LDSQA3D05R70W2N902765DE010 3LSQCLSWWR 1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

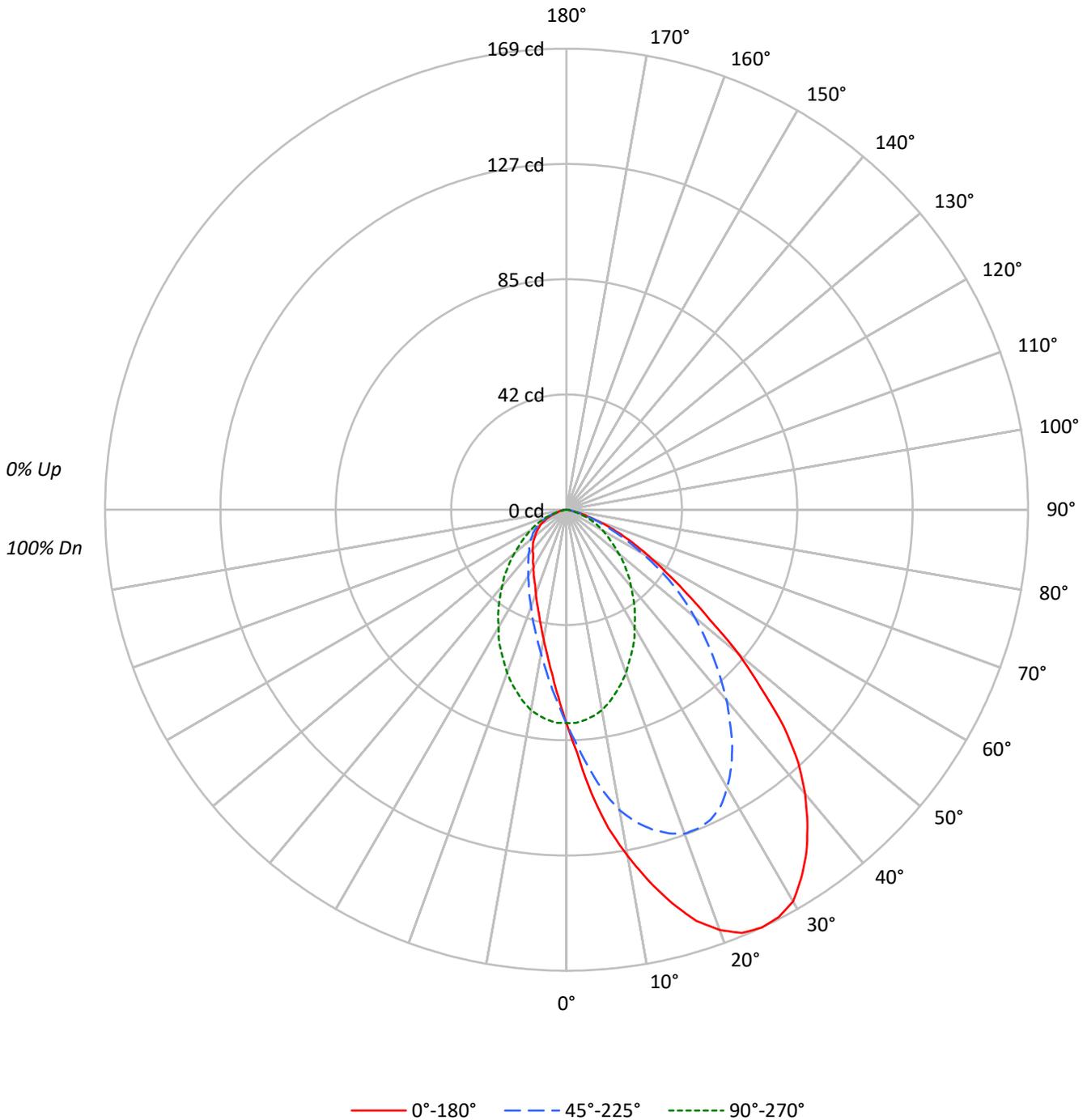
Test Method: LM-79-2019  
Report Number: P1325741  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R70W2N902765DE010 3LSQCLSWWR 1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
3LSQCLSWWR 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 191.0 lumens  
Efficiency: N/A  
Efficacy: 32.4 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			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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	13468	13468	13468	13468	13468
5°	18031	16458	13381	11203	10442
10°	22524	19552	13046	9391	8429
15°	26620	21628	12392	8023	6971
20°	30039	23166	11656	6946	6011
25°	32115	23791	10813	6157	5321
30°	32992	23406	9904	5568	4793
35°	32210	22244	9125	5151	4478
40°	30553	20504	8251	4879	4362
45°	27425	18462	7502	4725	4238
50°	22024	16397	6671	4555	4019
55°	16244	14112	5915	4504	3903
60°	12503	11022	5304	4340	3823
65°	9495	8191	4686	4034	3382
70°	6345	5791	3575	3575	2769
75°	3394	3394	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: 27425 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	7.7	4.0
10°-20°	23.4	12.3
20°-30°	36.1	18.9
30°-40°	41.0	21.5
40°-50°	37.1	19.4
50°-60°	25.9	13.6
60°-70°	14.3	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°	67.3	35.2
0°-40°	108.3	56.7
0°-60°	171.3	89.7
0°-90°	191.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	191.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	78	78	78	78	78	
5°	104	95	77	65	60	11
15°	149	121	70	45	39	43
25°	169	125	57	32	28	78
35°	153	106	43	24	21	95
45°	113	76	31	19	17	85
55°	54	47	20	15	13	50
65°	23	20	12	10	8	23
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°	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
2.5°	89.3	90.0	90.4	89.7	89.3	88.9	88.1	87.7	86.9	86.1	85.7
5°	104.3	104.3	104.3	103.5	102.3	101.5	99.9	98.7	96.8	95.2	93.6
7.5°	117.7	117.7	117.3	116.1	115.3	113.4	111.4	109.8	106.6	104.3	101.1
10°	128.8	128.8	128.4	126.4	125.2	122.8	120.9	118.1	114.9	111.8	108.2
12.5°	139.4	139.4	137.8	136.3	133.9	130.7	128.0	125.2	120.9	117.3	113.0
15°	149.3	149.3	148.5	145.7	142.6	139.0	135.1	131.1	126.0	121.3	116.5
17.5°	158.0	157.6	156.4	153.2	150.1	145.7	141.0	136.3	129.9	124.4	118.5
20°	163.9	163.9	162.3	158.8	155.2	150.5	145.3	139.8	133.1	126.4	119.3
22.5°	167.9	167.5	165.9	162.3	158.0	153.2	147.3	141.4	133.9	126.4	118.9
25°	169.0	168.6	167.1	163.1	158.8	153.6	147.3	141.0	133.1	125.2	116.9
27.5°	168.3	167.9	166.3	161.9	157.6	151.7	145.3	138.6	130.7	122.4	114.1
30°	165.9	164.7	163.1	159.2	154.4	148.5	141.8	134.3	126.4	117.7	109.4
32.5°	160.0	160.0	158.0	154.0	149.3	143.0	136.3	129.1	120.5	112.2	103.5
35°	153.2	152.8	151.3	146.9	142.6	136.7	129.9	122.4	114.1	105.8	97.6
37.5°	144.9	144.6	143.0	139.0	134.3	128.8	121.6	114.5	106.6	98.3	90.8
40°	135.9	135.1	133.1	129.9	126.0	119.7	113.4	106.2	98.7	91.2	83.7
42.5°	125.6	124.8	123.2	120.9	116.1	110.6	104.7	97.9	90.8	83.3	77.8
45°	112.6	112.6	111.8	109.4	105.8	101.5	95.2	89.3	82.5	75.8	69.9
47.5°	96.4	97.2	96.8	95.6	94.0	90.0	85.7	80.6	74.3	68.3	62.8
50°	82.2	82.5	82.9	82.2	81.0	78.2	75.4	72.3	66.7	61.2	56.1
52.5°	66.0	67.1	67.1	67.5	67.5	66.7	66.0	62.4	59.6	54.1	49.4
55°	54.1	54.1	54.1	54.9	55.3	55.7	54.9	54.1	50.9	47.0	42.7
57.5°	44.2	44.2	45.0	44.6	44.6	45.4	45.4	45.0	43.0	39.5	35.5
60°	36.3	36.3	36.3	36.3	36.7	36.7	36.7	36.7	35.2	32.0	28.8
62.5°	29.2	29.2	29.2	29.6	29.6	29.6	30.0	29.6	28.0	25.7	22.9
65°	23.3	22.9	23.3	23.3	23.7	23.7	23.7	23.3	21.7	20.1	18.2
67.5°	17.4	17.8	17.8	17.8	18.2	18.6	18.2	17.8	16.6	15.0	14.2
70°	12.6	13.0	13.0	13.0	13.4	13.8	13.4	13.0	12.2	11.5	10.7
72.5°	8.3	8.7	8.7	9.1	9.5	9.5	9.1	9.1	8.7	7.9	7.5
75°	5.1	5.1	5.5	5.5	5.9	5.9	5.9	5.5	5.5	5.1	5.1
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°	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2
2.5°	84.9	83.7	82.2	78.2	74.3	71.1	69.1	68.7
5°	91.6	89.7	86.1	77.4	70.3	64.8	61.6	60.4
7.5°	98.3	94.8	89.7	76.2	65.6	58.8	55.3	53.7
10°	103.9	99.5	92.8	74.6	61.6	53.7	49.4	48.2
12.5°	108.2	103.1	94.8	72.3	57.7	49.0	44.6	43.4
15°	111.0	105.5	96.0	69.5	53.7	45.0	40.7	39.1
17.5°	112.2	105.5	95.6	66.7	50.2	41.5	37.1	35.9
20°	112.2	104.7	94.4	63.6	46.6	37.9	34.0	32.8
22.5°	111.0	103.1	91.6	60.0	43.4	35.2	31.2	30.0
25°	108.6	99.9	88.5	56.9	40.3	32.4	28.8	28.0
27.5°	105.1	96.4	84.5	53.7	37.5	30.0	26.9	26.1
30°	100.7	92.0	80.2	49.8	34.8	28.0	25.3	24.1
32.5°	95.2	86.9	75.4	46.6	32.4	26.1	23.7	22.9
35°	89.3	81.8	70.3	43.4	30.0	24.5	22.1	21.3
37.5°	83.3	75.4	66.0	39.9	28.0	22.9	20.9	20.1
40°	77.0	71.1	61.2	36.7	26.5	21.7	19.7	19.4
42.5°	70.7	64.4	54.5	34.0	24.5	20.1	18.6	18.2
45°	63.2	57.3	49.4	30.8	22.9	19.4	17.8	17.4
47.5°	56.9	51.3	44.2	28.0	21.3	18.2	16.6	16.2
50°	50.9	45.4	38.7	24.9	19.7	17.0	15.8	15.0
52.5°	44.2	39.5	33.6	22.1	18.2	15.8	14.6	14.2
55°	38.3	33.6	28.0	19.7	16.6	15.0	13.4	13.0
57.5°	31.6	27.6	23.7	17.4	15.0	13.4	12.6	11.8
60°	25.7	22.9	20.1	15.4	13.4	12.6	11.5	11.1
62.5°	20.9	19.0	17.0	13.4	11.8	11.1	10.3	9.5
65°	16.6	15.4	13.8	11.5	10.3	9.9	9.1	8.3
67.5°	13.0	12.2	11.1	9.1	8.7	8.3	7.5	6.7
70°	9.9	9.5	8.7	7.1	6.7	7.1	6.3	5.5
72.5°	7.1	6.7	6.3	5.1	5.1	5.1	4.7	3.9
75°	4.7	4.3	3.9	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)