

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: P1325729

Luminaire Tested: LDSQA3D05R70W2N902765DE010 3LSQCLSWWR 1MB\_3000K

Issue Date: 1/29/2026

**Test Information**

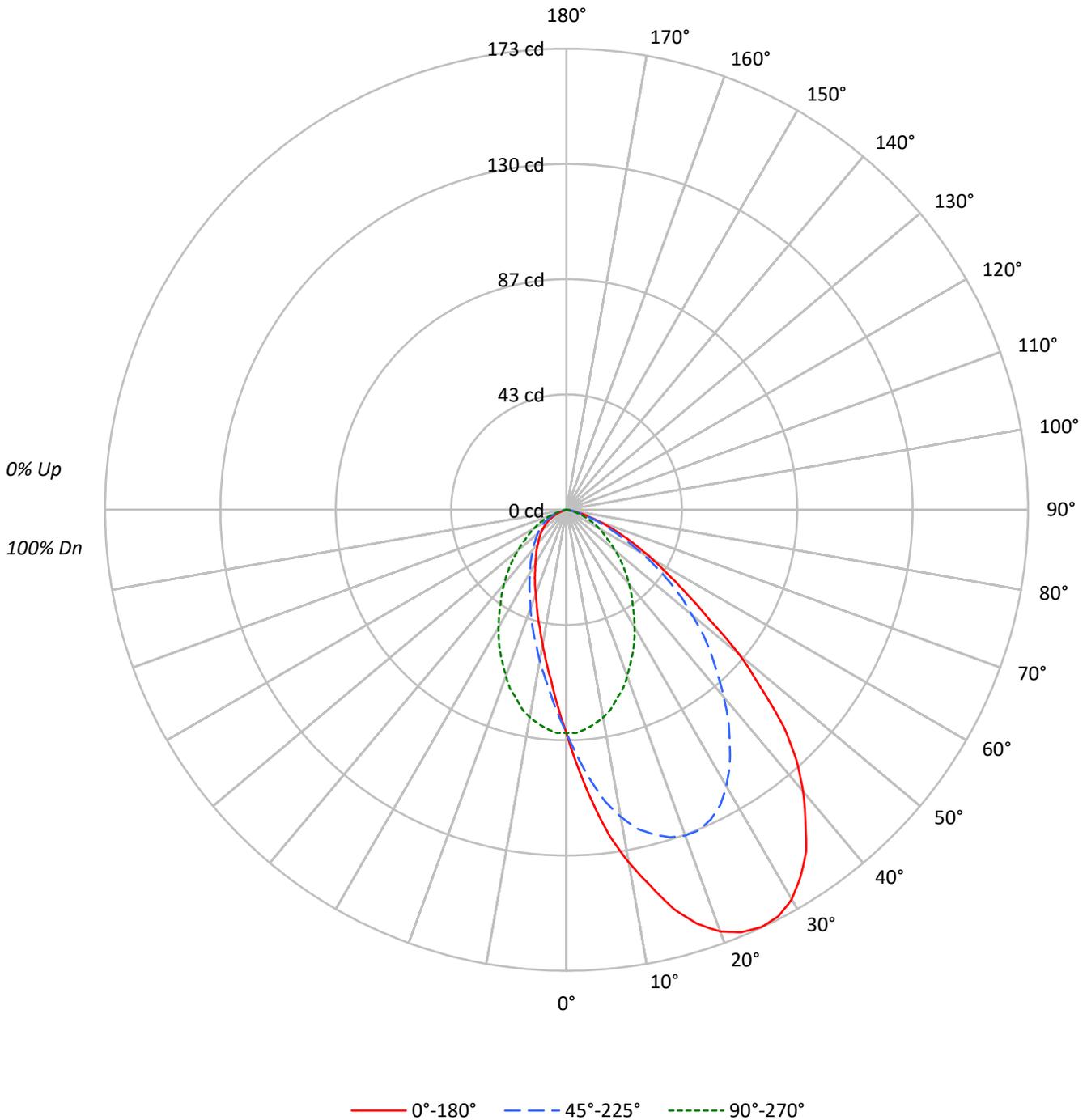
Test Method: LM-79-2019  
Report Number: P1325729  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R70W2N902765DE010 3LSQCLSWWR 1MB\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
3LSQCLSWWR 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 188.0 lumens  
Efficiency: N/A  
Efficacy: 31.9 lumens/watt  
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29  
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	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	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89													
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77													
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67													
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59													
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52													
6	75	63	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46													
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42													
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38													
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34													
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31													

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

	0°	45°	90°	135°	180°
0°	14432	14432	14432	14432	14432
5°	19000	17565	14280	11963	11203
10°	23504	20461	13833	10091	8989
15°	27636	22483	13034	8523	7399
20°	30864	23844	12169	7239	6158
25°	32837	24342	11193	6233	5340
30°	33569	23824	10142	5429	4634
35°	32924	22433	9062	4899	4163
40°	31025	20616	8183	4451	3732
45°	28034	18681	7307	4043	3459
50°	22667	16424	6350	3805	3188
55°	16514	14112	5465	3573	2852
60°	12813	11160	4891	3272	2583
65°	9658	8069	4034	2893	1915
70°	6748	5791	2971	2165	1209
75°	3926	3394	1597	1065	266
80°	793	1190	397	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 28034 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.2	4.4
10°-20°	24.4	13.0
20°-30°	36.8	19.6
30°-40°	40.9	21.8
40°-50°	36.3	19.3
50°-60°	24.6	13.1
60°-70°	12.9	6.9
70°-80°	3.7	2.0
80°-90°	0.1	0.1
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°	69.5	36.9
0°-40°	110.4	58.7
0°-60°	171.3	91.1
0°-90°	188.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	188.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	84	84	84	84	84	
5°	110	102	83	69	65	11
15°	155	126	73	48	42	44
25°	173	128	59	33	28	79
35°	157	107	43	23	20	97
45°	115	77	30	17	14	87
55°	55	47	18	12	10	51
65°	24	20	10	7	5	24
75°	6	5	2	2	0	7
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°	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
2.5°	96.5	96.1	95.7	95.7	95.3	94.9	94.1	94.1	93.3	92.5	91.7
5°	109.9	109.9	109.9	108.7	108.7	107.1	106.4	104.8	103.2	101.6	99.6
7.5°	123.4	123.4	122.2	121.8	120.6	119.0	117.8	115.4	112.7	110.3	107.1
10°	134.4	134.4	133.2	132.4	130.1	128.5	126.1	123.4	120.6	117.0	113.1
12.5°	144.3	144.7	143.1	141.5	139.2	136.8	133.6	130.1	126.5	122.6	117.4
15°	155.0	154.6	152.6	150.6	147.9	144.3	140.4	135.6	130.9	126.1	120.6
17.5°	162.9	162.5	160.5	158.1	154.6	150.2	145.9	140.4	134.8	128.9	122.2
20°	168.4	168.0	166.1	162.9	159.3	154.6	149.4	143.1	137.2	130.1	122.6
22.5°	171.6	171.2	168.8	166.1	161.7	156.6	151.0	144.3	137.6	130.1	121.8
25°	172.8	172.0	169.6	166.4	162.1	156.6	150.2	143.1	136.0	128.1	119.4
27.5°	172.0	171.2	168.4	164.9	160.1	153.8	147.5	140.4	132.8	124.9	115.8
30°	168.8	167.6	165.3	161.7	156.6	150.2	143.5	136.0	128.1	119.8	110.7
32.5°	163.3	162.5	160.1	156.2	151.0	144.7	138.0	130.1	122.2	113.9	104.8
35°	156.6	155.0	152.6	149.1	143.9	137.6	130.9	122.6	115.1	106.7	98.0
37.5°	147.1	146.7	143.9	141.1	136.0	129.3	123.0	115.1	107.5	99.6	90.9
40°	138.0	137.2	134.8	131.7	126.5	120.6	113.9	106.7	99.2	91.7	83.8
42.5°	127.7	126.5	124.9	121.8	117.0	111.1	104.8	97.7	90.9	83.8	76.7
45°	115.1	114.7	112.7	111.1	106.7	101.6	95.3	89.0	82.2	76.7	71.2
47.5°	98.8	98.4	98.0	96.9	94.5	90.9	86.2	80.3	75.1	69.6	62.1
50°	84.6	84.2	83.4	83.0	81.0	79.1	75.5	72.0	67.6	61.3	55.4
52.5°	67.2	67.6	68.8	69.2	68.8	67.2	65.6	64.4	58.5	54.6	49.0
55°	55.0	55.0	54.6	55.0	55.4	56.1	56.1	54.6	50.6	47.0	42.3
57.5°	45.1	45.1	45.1	45.1	45.1	45.5	45.5	45.1	43.1	39.5	35.2
60°	37.2	36.8	36.8	37.2	36.8	36.8	37.2	37.2	35.2	32.4	28.5
62.5°	30.0	30.0	30.0	29.7	29.7	30.0	30.0	29.7	28.1	25.3	22.5
65°	23.7	23.7	23.7	23.7	23.7	24.1	23.7	23.3	21.7	19.8	17.8
67.5°	18.2	18.2	18.6	18.2	18.6	18.6	18.6	17.8	16.6	15.0	13.8
70°	13.4	13.4	13.4	13.8	14.2	14.2	13.8	13.0	12.3	11.5	10.3
72.5°	9.1	9.5	9.5	9.5	9.9	9.9	9.5	9.1	8.7	7.9	7.5
75°	5.9	5.5	5.9	5.9	6.3	6.3	5.9	5.9	5.5	5.1	4.7
77.5°	2.8	2.8	3.2	3.2	3.2	3.2	3.2	3.2	3.2	2.8	2.8
80°	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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°	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
2.5°	90.9	89.7	88.2	83.8	79.9	76.3	74.3	73.9
5°	97.3	95.7	91.7	82.6	75.1	69.2	65.6	64.8
7.5°	104.0	100.8	95.3	81.0	70.4	62.9	58.9	57.7
10°	109.1	105.2	97.7	79.1	65.6	57.7	53.0	51.4
12.5°	112.7	107.9	99.6	76.7	61.7	52.2	47.4	45.9
15°	114.7	109.5	100.0	73.1	56.9	47.8	42.7	41.5
17.5°	115.4	109.5	99.2	70.4	52.6	43.5	38.7	37.2
20°	115.1	107.9	97.3	66.4	48.6	39.5	34.8	33.6
22.5°	113.5	105.6	94.1	62.5	44.7	35.6	31.6	30.8
25°	111.1	102.4	90.5	58.9	41.1	32.8	28.9	28.1
27.5°	107.1	98.4	85.8	55.0	38.0	30.0	26.5	25.3
30°	102.0	93.7	81.0	51.0	34.8	27.3	24.1	23.3
32.5°	96.5	88.2	76.3	47.0	32.0	25.3	22.1	21.3
35°	90.1	82.2	70.4	43.1	29.3	23.3	20.2	19.8
37.5°	83.8	75.9	65.2	39.9	26.9	21.3	18.6	18.2
40°	76.7	70.4	62.5	36.4	24.9	19.8	17.4	16.6
42.5°	72.4	63.7	53.8	33.2	22.9	18.2	15.8	15.4
45°	62.9	56.5	48.6	30.0	21.0	16.6	14.6	14.2
47.5°	56.5	51.0	43.5	26.9	19.4	15.4	13.4	13.0
50°	50.2	45.1	38.0	23.7	17.8	14.2	12.3	11.9
52.5°	43.9	38.7	32.4	21.0	15.8	13.0	11.1	10.7
55°	37.6	32.8	26.9	18.2	14.2	11.9	10.3	9.5
57.5°	30.8	26.9	22.9	16.2	12.7	10.7	9.1	8.3
60°	24.9	22.5	19.4	14.2	11.1	9.5	7.9	7.5
62.5°	20.2	18.2	16.2	12.3	9.9	8.3	7.1	5.9
65°	16.2	15.0	13.4	9.9	8.3	7.1	5.9	4.7
67.5°	12.7	11.9	10.7	8.3	6.7	5.9	4.3	3.6
70°	9.9	9.1	8.3	5.9	5.1	4.3	3.2	2.4
72.5°	7.1	6.3	5.9	4.3	3.6	3.2	2.0	1.2
75°	4.3	4.3	3.6	2.4	2.0	1.6	0.8	0.4
77.5°	2.4	2.4	2.0	1.2	1.2	0.4	0.0	0.0
80°	1.2	0.8	0.8	0.4	0.4	0.0	0.0	0.0
82.5°	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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

(END OF REPORT)