

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: P1327198

Luminaire Tested: LDSQA3D09R70W2N902750DE010 3LSQCA30R 1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

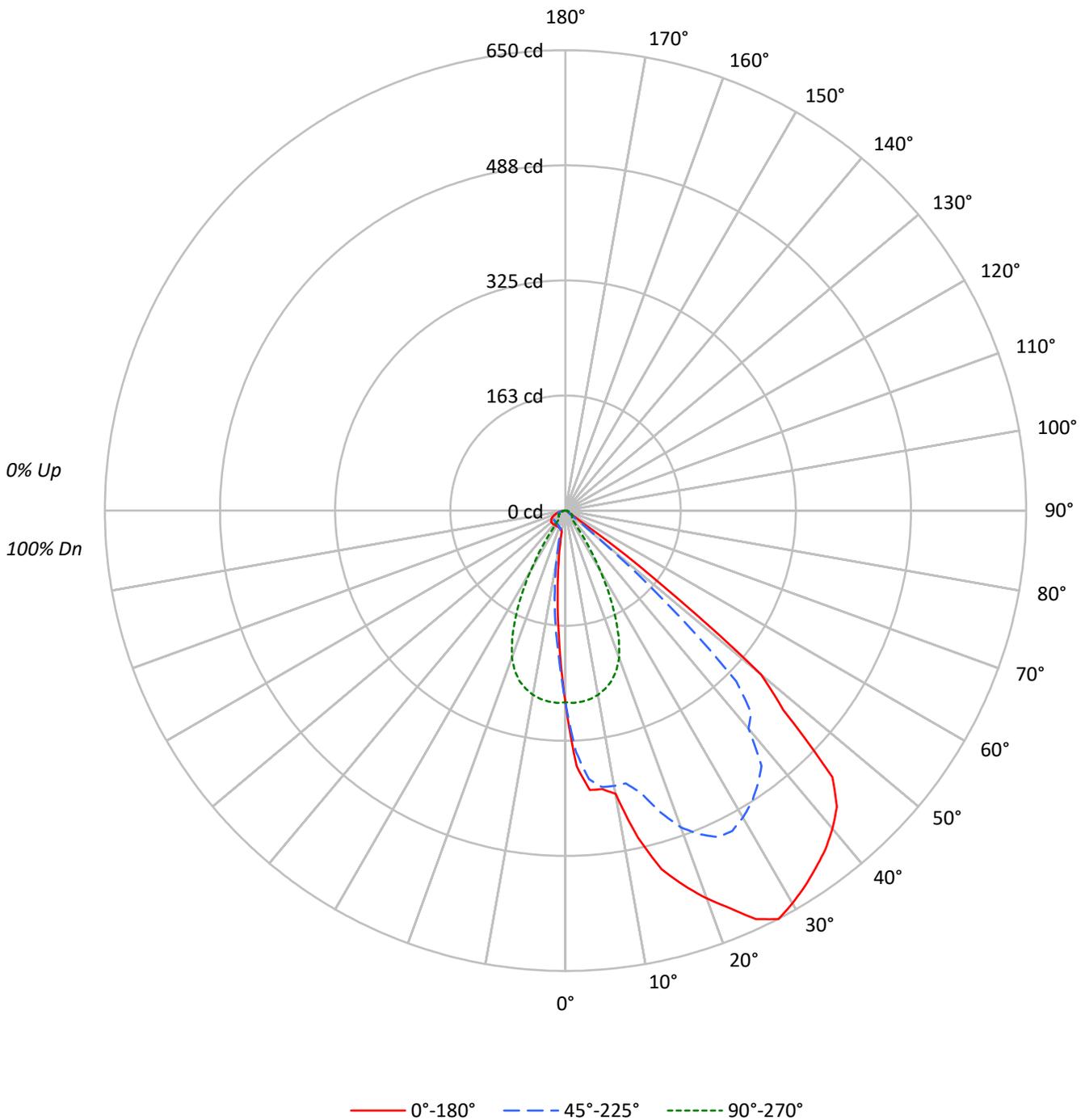
Test Method: LM-79-2019  
Report Number: P1327198  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R70W2N902750DE010 3LSQCA30R 1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 514.0 lumens  
Efficiency: N/A  
Efficacy: 57.1 lumens/watt  
Spacing Criteria (0/90/45): 1.7 / 0.89 / 1.39  
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	92	90	
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	82	80	
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	73	71	
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	65	64	
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	59	57	
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	53	51	
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	48	46	
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	42	
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	40	38	
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	35	

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

	0°	45°	90°	135°	180°
0°	46603	46603	46603	46603	46603
5°	68461	65833	46781	27937	21887
10°	70984	69042	46203	13361	5404
15°	93482	73619	44503	4778	4671
20°	106776	87221	40504	4600	4710
25°	120914	96648	31810	4428	4656
30°	127354	99512	19708	4415	4992
35°	129490	99320	6497	4541	5277
40°	131767	90333	3147	4856	5778
45°	129695	82956	3264	5115	6259
50°	96428	15326	3269	5627	6886
55°	7717	2102	3513	5945	7356
60°	1619	2204	3410	6028	7647
65°	1671	2119	3342	5950	7824
70°	1460	2065	3223	5589	7654
75°	1131	1930	2728	5456	7386
80°	1190	1686	2876	5157	6943
85°	1186	2371	3359	4545	5730

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 15°  
 Vertical Angle: 45°  
 Luminance: 131254 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	24.6	4.8
10°-20°	69.3	13.5
20°-30°	116.3	22.6
30°-40°	139.8	27.2
40°-50°	110.9	21.6
50°-60°	35.5	6.9
60°-70°	9.9	1.9
70°-80°	5.9	1.1
80°-90°	1.9	0.4
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°	210.2	40.9
0°-40°	350.0	68.1
0°-60°	496.3	96.6
0°-90°	514.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	514.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	271	271	271	271	271	
5°	396	381	271	162	127	37
15°	524	413	250	27	26	147
25°	636	509	167	23	24	291
35°	616	472	31	22	25	386
45°	532	341	13	21	26	382
55°	26	7	12	20	24	80
65°	4	5	8	15	19	4
75°	2	3	4	8	11	2
85°	1	1	2	2	3	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°	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6
2.5°	361.0	363.4	363.4	360.4	361.6	356.9	353.4	348.2	347.0	340.6	332.4
5°	396.0	394.8	394.8	392.5	393.7	391.9	390.2	389.0	385.5	380.8	376.2
7.5°	396.6	397.8	398.3	397.8	400.1	398.3	398.3	398.3	396.0	393.7	389.0
10°	405.9	404.2	402.4	398.3	396.0	394.3	394.3	394.8	396.0	394.8	391.9
12.5°	473.0	466.6	463.7	453.8	446.2	433.3	418.8	407.7	397.8	394.3	391.9
15°	524.3	523.2	517.3	508.0	498.7	483.5	466.6	449.7	431.6	412.9	399.5
17.5°	554.7	552.3	546.5	536.6	525.5	511.5	498.1	485.2	467.8	446.8	425.2
20°	582.6	577.4	569.8	558.2	547.1	533.7	519.1	506.8	492.2	475.9	450.8
22.5°	607.7	603.1	590.8	575.1	564.0	551.2	538.3	526.7	513.2	494.6	471.8
25°	636.3	625.8	606.0	585.6	572.1	561.7	552.3	543.0	529.0	508.6	481.7
27.5°	650.3	635.7	614.1	593.7	580.9	569.8	559.9	550.6	534.8	509.7	478.8
30°	640.4	632.2	617.1	601.3	590.8	580.3	568.7	554.7	529.6	500.4	471.8
32.5°	628.7	624.6	617.6	608.3	601.9	591.4	575.1	552.3	517.3	488.7	457.8
35°	615.9	614.1	611.8	607.7	603.6	593.7	573.3	540.1	505.1	472.4	442.7
37.5°	602.5	600.7	602.5	601.9	598.4	585.6	554.7	523.7	487.6	454.3	396.6
40°	586.1	585.0	587.9	590.8	586.7	569.8	536.6	499.2	467.2	401.8	382.0
42.5°	566.9	566.3	571.6	573.9	568.1	543.0	503.9	476.5	408.8	387.8	341.2
45°	532.5	533.7	536.0	538.9	535.4	508.0	472.4	422.3	392.5	340.6	194.2
47.5°	417.0	418.2	429.8	454.3	471.3	461.9	431.6	394.3	351.1	194.8	61.2
50°	359.9	358.7	359.3	365.1	378.5	391.3	382.0	361.6	209.4	57.2	7.6
52.5°	158.1	175.6	194.2	246.7	280.5	316.1	323.1	226.3	68.2	7.6	7.6
55°	25.7	26.8	33.8	49.6	89.2	134.7	163.3	75.8	7.0	7.0	7.0
57.5°	5.2	5.2	5.2	5.8	8.7	18.7	21.6	6.4	6.4	6.4	7.0
60°	4.7	4.7	4.7	4.7	5.2	5.2	5.2	5.8	5.8	6.4	6.4
62.5°	4.7	4.7	4.7	4.7	4.7	4.7	5.2	5.2	5.8	5.8	6.4
65°	4.1	4.1	4.1	4.1	4.7	4.7	4.7	4.7	5.2	5.2	5.8
67.5°	3.5	3.5	3.5	3.5	4.1	4.1	4.1	4.7	4.7	4.7	5.2
70°	2.9	2.9	2.9	2.9	3.5	3.5	3.5	3.5	4.1	4.1	4.1
72.5°	2.3	2.3	2.3	2.3	2.9	2.9	2.9	2.9	3.5	3.5	3.5
75°	1.7	1.7	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3	2.3
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7
82.5°	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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°	270.6	270.6	270.6	270.6	270.6	270.6	270.6	270.6
2.5°	327.2	319.0	307.9	271.8	238.5	208.2	193.0	191.3
5°	368.6	361.0	342.4	270.6	207.0	161.6	134.1	126.6
7.5°	384.3	377.9	361.6	268.3	177.3	116.1	85.2	73.5
10°	388.4	384.3	370.4	264.2	146.4	76.4	40.2	30.9
12.5°	390.2	387.3	373.9	257.8	115.5	39.7	27.4	27.4
15°	393.1	390.2	377.4	249.6	85.2	26.8	26.2	26.2
17.5°	405.9	396.6	382.0	237.4	56.0	25.7	25.7	25.7
20°	426.9	406.5	384.3	221.0	35.0	25.1	25.1	25.7
22.5°	444.4	417.0	383.8	196.5	25.7	23.9	24.5	25.1
25°	452.0	421.7	378.5	167.4	22.2	23.3	24.5	24.5
27.5°	450.8	423.4	373.9	134.1	21.0	22.7	23.9	25.1
30°	444.4	418.8	363.4	99.1	19.8	22.2	23.9	25.1
32.5°	433.3	400.7	342.4	64.2	19.2	22.2	23.9	25.1
35°	397.2	371.5	312.0	30.9	18.7	21.6	24.5	25.1
37.5°	376.2	340.6	238.0	15.2	18.1	21.6	24.5	25.1
40°	342.4	254.3	107.3	14.0	18.1	21.6	24.5	25.7
42.5°	215.2	104.4	17.5	13.4	17.5	21.6	24.5	25.7
45°	78.7	14.0	9.3	13.4	17.5	21.0	24.5	25.7
47.5°	8.2	8.2	8.7	12.8	16.9	21.0	24.5	25.7
50°	7.6	8.2	8.7	12.2	16.3	21.0	23.9	25.7
52.5°	7.6	8.2	8.7	12.2	15.7	20.4	23.9	25.7
55°	7.6	8.2	8.2	11.7	15.2	19.8	23.3	24.5
57.5°	7.0	7.6	8.2	11.1	14.6	18.7	22.7	23.9
60°	7.0	7.6	8.2	9.9	14.0	17.5	21.6	22.2
62.5°	6.4	7.0	7.6	9.3	12.8	16.3	19.8	21.0
65°	6.4	6.4	7.0	8.2	11.7	14.6	18.1	19.2
67.5°	5.2	5.8	5.8	7.0	9.9	12.8	16.3	17.5
70°	4.7	4.7	5.2	6.4	8.7	11.1	14.0	15.2
72.5°	4.1	4.1	4.1	5.2	7.6	9.9	12.2	13.4
75°	3.5	3.5	3.5	4.1	6.4	8.2	10.5	11.1
77.5°	2.9	2.9	2.9	3.5	5.2	7.0	8.2	9.3
80°	2.3	2.3	2.3	2.9	4.1	5.2	6.4	7.0
82.5°	1.7	1.7	1.7	2.3	2.9	3.5	4.7	4.7
85°	1.2	1.2	1.2	1.7	1.7	2.3	2.9	2.9
87.5°	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)