

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: P1327164

Luminaire Tested: LDSQA3D09R65W2N902765DE010 3LSQCA30R 1MW\_3000K

Issue Date: 1/29/2026

**Test Information**

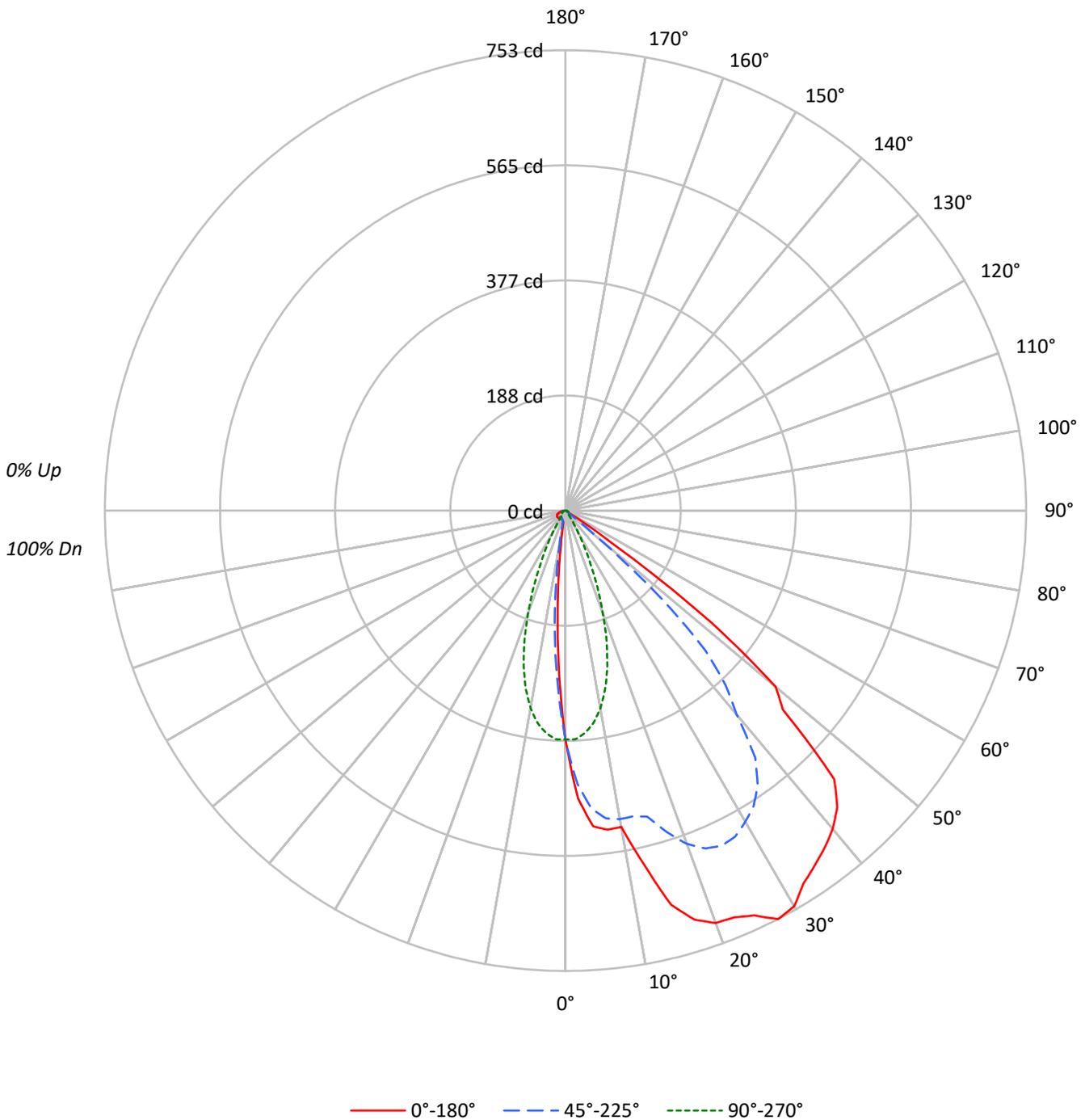
Test Method: LM-79-2019  
Report Number: P1327164  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R65W2N902765DE010 3LSQCA30R 1MW\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 561.0 lumens  
Efficiency: N/A  
Efficacy: 62.3 lumens/watt  
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36

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

	0°	45°	90°	135°	180°
0°	64463	64463	64463	64463	64463
5°	89604	84556	63101	34663	24393
10°	91864	89626	57395	9688	3568
15°	119014	92412	46982	3120	3013
20°	131537	106318	32696	2786	2877
25°	138814	114890	18509	2660	2888
30°	148632	116873	8352	2665	3023
35°	149169	115088	2691	2817	3301
40°	152833	97775	1844	3013	3665
45°	151372	78816	1851	3264	3970
50°	120113	18594	1876	3590	4528
55°	28525	1051	1922	4023	5074
60°	999	1206	2204	4202	5408
65°	1182	1182	2119	4523	5950
70°	856	1158	2065	4381	6143
75°	799	1131	1930	4658	6188
80°	595	1190	2281	4661	6347
85°	1186	2371	2371	4545	5730

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 10°  
 Vertical Angle: 45°  
 Luminance: 151640 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.2	5.6
10°-20°	82.3	14.7
20°-30°	129.2	23.0
30°-40°	147.8	26.4
40°-50°	118.8	21.2
50°-60°	38.6	6.9
60°-70°	6.9	1.2
70°-80°	4.5	0.8
80°-90°	1.6	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°	242.7	43.3
0°-40°	390.5	69.6
0°-60°	548.0	97.7
0°-90°	561.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	561.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	374	374	374	374	374	
5°	518	489	365	200	141	49
15°	668	518	264	18	17	186
25°	730	605	97	14	15	340
35°	710	547	13	13	16	446
45°	622	324	8	13	16	447
55°	95	4	6	13	17	136
65°	3	3	5	11	15	3
75°	1	2	3	7	9	1
85°	1	1	1	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°	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3
2.5°	471.1	469.3	471.6	467.6	467.0	462.9	460.6	459.4	454.2	447.2	440.7
5°	518.3	511.3	513.0	512.5	509.5	507.8	505.5	502.5	495.5	489.1	481.0
7.5°	526.4	520.6	521.8	522.4	520.6	520.0	519.4	518.3	513.6	507.8	500.8
10°	525.3	519.4	518.9	517.1	515.4	515.9	515.9	515.9	514.8	512.5	510.1
12.5°	592.9	584.7	583.0	570.8	559.7	540.4	528.2	516.5	511.3	511.9	510.1
15°	667.5	666.9	661.1	649.5	630.8	613.3	585.3	564.3	537.5	518.3	510.1
17.5°	701.3	700.8	695.5	685.6	672.2	655.9	635.5	611.0	581.2	551.5	527.0
20°	717.7	721.7	715.9	707.8	694.9	679.8	660.5	638.4	610.4	580.1	550.9
22.5°	720.0	725.2	720.0	714.2	704.8	694.9	678.6	655.9	627.3	598.2	569.6
25°	730.5	732.2	721.2	713.6	704.8	697.8	685.0	665.2	636.0	604.6	576.6
27.5°	753.2	745.6	722.3	711.8	703.7	697.3	685.0	664.6	633.1	601.1	571.9
30°	747.4	744.5	724.1	714.2	707.2	700.8	685.6	659.4	621.5	587.7	557.3
32.5°	723.5	729.3	722.3	718.8	715.3	707.2	685.0	649.5	606.9	572.5	531.7
35°	709.5	716.5	717.1	717.1	713.0	700.8	674.5	634.9	592.3	547.4	492.6
37.5°	695.5	701.3	704.8	707.2	701.3	683.9	650.6	615.1	568.4	509.5	413.3
40°	679.8	683.9	686.8	687.9	679.2	656.5	626.1	585.9	533.4	434.9	369.0
42.5°	657.6	659.9	659.4	658.8	649.5	624.4	595.8	553.8	450.1	387.7	307.8
45°	621.5	619.1	622.6	622.6	610.4	591.7	553.8	472.2	402.8	323.6	198.2
47.5°	481.6	483.3	500.2	527.6	544.5	539.3	488.0	413.3	338.7	212.2	65.9
50°	448.3	446.6	447.2	450.1	451.8	437.2	400.5	349.2	223.9	69.4	4.7
52.5°	300.8	302.6	316.0	346.9	356.8	346.3	311.3	233.2	81.6	4.7	4.1
55°	95.0	101.4	109.0	125.3	153.9	172.0	168.5	82.8	5.2	3.5	4.1
57.5°	3.5	3.5	4.7	8.2	15.7	25.7	26.8	5.2	4.1	4.1	4.1
60°	2.9	2.9	2.9	2.9	2.9	2.9	3.5	3.5	3.5	3.5	3.5
62.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.5	3.5	3.5	3.5
65°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.5
67.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9	2.9	2.9	2.9
70°	1.7	1.7	1.7	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.9
72.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.3	2.3	2.3
75°	1.2	1.2	1.2	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.7	1.7	1.7
80°	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.7
82.5°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	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°	374.3	374.3	374.3	374.3	374.3	374.3	374.3	374.3
2.5°	437.2	430.2	416.3	374.3	330.6	286.8	259.4	252.4
5°	471.6	463.5	443.7	365.0	276.3	200.5	157.4	141.1
7.5°	492.6	482.7	459.4	350.4	215.1	116.6	70.0	56.0
10°	502.0	493.2	467.0	328.2	155.7	55.4	24.5	20.4
12.5°	506.0	499.0	469.9	299.1	101.4	24.5	18.1	17.5
15°	507.8	500.2	468.7	263.5	57.7	17.5	16.9	16.9
17.5°	509.5	500.8	461.7	222.7	32.1	16.3	15.7	16.3
20°	523.5	498.5	449.5	178.4	21.0	15.2	15.2	15.7
22.5°	537.5	497.9	427.9	136.4	16.3	14.6	15.2	15.2
25°	542.2	492.0	400.5	97.4	14.0	14.0	14.6	15.2
27.5°	533.4	475.1	363.8	65.9	12.2	14.0	14.6	15.2
30°	513.0	446.6	319.5	42.0	11.7	13.4	14.6	15.2
32.5°	475.1	390.0	269.9	25.1	11.1	13.4	15.2	15.2
35°	399.4	327.1	214.0	12.8	11.1	13.4	15.2	15.7
37.5°	349.2	272.8	149.2	8.7	11.1	13.4	15.2	15.7
40°	289.7	197.1	62.4	8.2	11.1	13.4	15.2	16.3
42.5°	200.5	85.7	9.9	7.6	10.5	13.4	15.7	16.3
45°	72.3	11.1	4.7	7.6	10.5	13.4	15.7	16.3
47.5°	6.4	4.1	4.7	7.6	10.5	13.4	15.7	16.9
50°	4.1	4.1	4.1	7.0	10.5	13.4	15.7	16.9
52.5°	4.1	4.1	4.1	7.0	9.9	13.4	16.3	16.9
55°	4.1	4.1	4.1	6.4	9.9	13.4	15.7	16.9
57.5°	4.1	4.1	4.7	6.4	9.9	12.8	15.7	16.3
60°	4.1	4.1	4.1	6.4	9.3	12.2	15.2	15.7
62.5°	3.5	4.1	4.1	5.8	8.7	11.7	14.6	15.2
65°	3.5	3.5	4.1	5.2	8.2	11.1	13.4	14.6
67.5°	2.9	3.5	3.5	4.7	7.0	9.9	12.2	13.4
70°	2.9	2.9	2.9	4.1	6.4	8.7	11.7	12.2
72.5°	2.3	2.9	2.9	3.5	5.2	7.6	9.9	11.1
75°	2.3	2.3	2.3	2.9	4.7	7.0	8.7	9.3
77.5°	1.7	1.7	2.3	2.3	4.1	5.2	7.6	8.2
80°	1.7	1.7	1.7	2.3	2.9	4.7	5.8	6.4
82.5°	1.2	1.2	1.2	1.7	2.3	2.9	4.1	4.7
85°	1.2	1.2	1.2	1.2	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)