

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: P1327146

Luminaire Tested: LDSQA3D09R65W2N902750DE010 3LSQCA30R 1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327146
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: LDSQA3D09R65W2N902750DE010 3LSQCA30R 1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R65 optic, 4000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

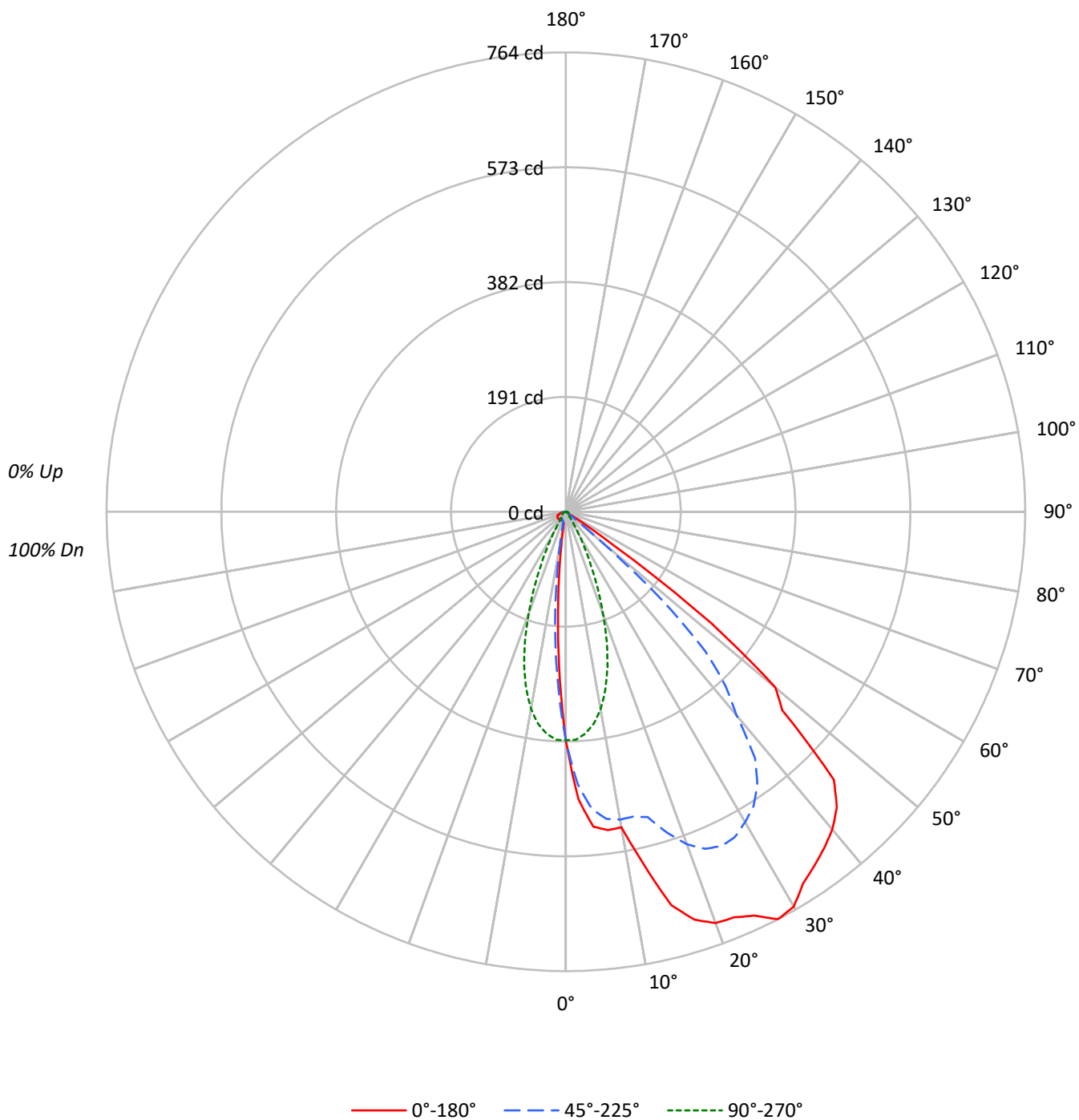
Lumens per Lamp: N/A
Luminaire Lumens: 569.0 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30
RCR																			
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	81	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	72	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	65376	65376	65376	65376	65376
5°	90883	85766	64000	35164	24739
10°	93176	90902	58217	9828	3620
15°	120708	93731	47659	3156	3049
20°	133406	107839	33155	2822	2932
25°	140791	116524	18756	2698	2926
30°	150760	118524	8472	2705	3063
35°	151292	116728	2733	2859	3364
40°	155014	99168	1866	3058	3732
45°	153516	79936	1875	3312	4043
50°	121828	18862	1902	3644	4582
55°	28945	1051	1952	4084	5134
60°	1033	1206	2239	4271	5511
65°	1223	1223	2160	4564	6031
70°	906	1209	2065	4482	6244
75°	799	1198	1996	4724	6321
80°	595	1190	2380	4661	6447
85°	1186	2371	2371	4742	5928

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°

Vertical Angle: 45°

Luminance: 153808 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.7	5.6
10°-20°	83.4	14.7
20°-30°	131.1	23.0
30°-40°	149.9	26.3
40°-50°	120.5	21.2
50°-60°	39.2	6.9
60°-70°	7.0	1.2
70°-80°	4.6	0.8
80°-90°	1.7	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°	246.2	43.3
0°-40°	396.1	69.6
0°-60°	555.8	97.7
0°-90°	569.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	569.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	380	380	380	380	380	
5°	526	496	370	203	143	50
15°	677	526	267	18	17	189
25°	741	613	99	14	15	345
35°	720	555	13	14	16	452
45°	630	328	8	14	17	454
55°	96	4	6	14	17	138
65°	3	3	5	11	15	3
75°	1	2	3	7	10	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°	379.6	379.6	379.6	379.6	379.6	379.6	379.6	379.6	379.6	379.6	379.6
2.5°	477.8	476.0	478.4	474.2	473.6	469.5	467.1	465.9	460.6	453.5	447.0
5°	525.7	518.6	520.3	519.8	516.8	515.0	512.7	509.7	502.6	496.1	487.8
7.5°	533.9	528.0	529.2	529.8	528.0	527.4	526.9	525.7	520.9	515.0	507.9
10°	532.8	526.9	526.3	524.5	522.7	523.3	523.3	523.3	522.1	519.8	517.4
12.5°	601.4	593.1	591.3	578.9	567.7	548.1	535.7	523.9	518.6	519.2	517.4
15°	677.0	676.5	670.5	658.7	639.8	622.1	593.7	572.4	545.2	525.7	517.4
17.5°	711.3	710.8	705.4	695.4	681.8	665.2	644.5	619.7	589.5	559.4	534.5
20°	727.9	732.0	726.1	717.8	704.8	689.5	670.0	647.5	619.1	588.4	558.8
22.5°	730.3	735.6	730.3	724.4	714.9	704.8	688.3	665.2	636.2	606.7	577.7
25°	740.9	742.7	731.4	723.8	714.9	707.8	694.8	674.7	645.1	613.2	584.8
27.5°	764.0	756.3	732.6	722.0	713.7	707.2	694.8	674.1	642.2	609.6	580.1
30°	758.1	755.1	734.4	724.4	717.3	710.8	695.4	668.8	630.3	596.0	565.3
32.5°	733.8	739.7	732.6	729.1	725.5	717.3	694.8	658.7	615.6	580.7	539.3
35°	719.6	726.7	727.3	727.3	723.2	710.8	684.1	643.9	600.8	555.2	499.7
37.5°	705.4	711.3	714.9	717.3	711.3	693.6	659.9	623.8	576.5	516.8	419.2
40°	689.5	693.6	696.6	697.7	688.9	665.8	635.1	594.3	541.0	441.1	374.3
42.5°	667.0	669.4	668.8	668.2	658.7	633.3	604.3	561.7	456.5	393.2	312.2
45°	630.3	628.0	631.5	631.5	619.1	600.2	561.7	479.0	408.6	328.2	201.0
47.5°	488.4	490.2	507.3	535.1	552.3	547.0	494.9	419.2	343.5	215.2	66.8
50°	454.7	452.9	453.5	456.5	458.3	443.5	406.2	354.2	227.1	70.4	4.7
52.5°	305.1	306.9	320.5	351.8	361.9	351.2	315.8	236.5	82.8	4.7	4.1
55°	96.4	102.9	110.6	127.1	156.1	174.4	170.9	84.0	5.3	3.5	4.1
57.5°	3.5	3.5	4.7	8.3	16.0	26.0	27.2	5.3	4.1	4.1	4.1
60°	3.0	3.0	3.0	3.0	3.0	3.0	3.5	3.5	3.5	3.5	3.5
62.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5	3.5	3.5	3.5
65°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5
67.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.0	3.0	3.0	3.0
70°	1.8	1.8	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.0
72.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.4	2.4	2.4
75°	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8
80°	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.8
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°	379.6	379.6	379.6	379.6	379.6	379.6	379.6	379.6
2.5°	443.5	436.4	422.2	379.6	335.3	290.9	263.1	256.0
5°	478.4	470.1	450.0	370.2	280.3	203.4	159.7	143.1
7.5°	499.7	489.6	465.9	355.4	218.2	118.3	71.0	56.8
10°	509.1	500.2	473.6	332.9	157.9	56.2	24.8	20.7
12.5°	513.3	506.2	476.6	303.3	102.9	24.8	18.3	17.7
15°	515.0	507.3	475.4	267.3	58.5	17.7	17.1	17.1
17.5°	516.8	507.9	468.3	225.9	32.5	16.6	16.0	16.6
20°	531.0	505.6	455.9	180.9	21.3	15.4	15.4	16.0
22.5°	545.2	505.0	434.0	138.4	16.6	14.8	15.4	15.4
25°	549.9	499.1	406.2	98.7	14.2	14.2	14.8	15.4
27.5°	541.0	481.9	369.0	66.8	12.4	14.2	14.8	15.4
30°	520.3	452.9	324.0	42.6	11.8	13.6	14.8	15.4
32.5°	481.9	395.6	273.8	25.4	11.2	13.6	15.4	15.4
35°	405.0	331.7	217.0	13.0	11.2	13.6	15.4	16.0
37.5°	354.2	276.7	151.4	8.9	11.2	13.6	15.4	16.0
40°	293.9	199.9	63.3	8.3	11.2	13.6	15.4	16.6
42.5°	203.4	86.9	10.1	7.7	10.6	13.6	16.0	16.6
45°	73.3	11.2	4.7	7.7	10.6	13.6	16.0	16.6
47.5°	6.5	4.1	4.7	7.7	10.6	13.6	16.0	17.1
50°	4.1	4.1	4.1	7.1	10.6	13.6	16.0	17.1
52.5°	4.1	4.1	4.1	7.1	10.1	13.6	16.6	17.1
55°	4.1	4.1	4.1	6.5	10.1	13.6	16.0	17.1
57.5°	4.1	4.1	4.7	6.5	10.1	13.0	16.0	16.6
60°	4.1	4.1	4.1	6.5	9.5	12.4	15.4	16.0
62.5°	3.5	4.1	4.1	5.9	8.9	11.8	14.8	15.4
65°	3.5	3.5	4.1	5.3	8.3	11.2	13.6	14.8
67.5°	3.0	3.5	3.5	4.7	7.1	10.1	12.4	13.6
70°	3.0	3.0	3.0	4.1	6.5	8.9	11.8	12.4
72.5°	2.4	3.0	3.0	3.5	5.3	7.7	10.1	11.2
75°	2.4	2.4	2.4	3.0	4.7	7.1	8.9	9.5
77.5°	1.8	1.8	2.4	2.4	4.1	5.3	7.7	8.3
80°	1.8	1.8	1.8	2.4	3.0	4.7	5.9	6.5
82.5°	1.2	1.2	1.2	1.8	2.4	3.0	4.1	4.7
85°	1.2	1.2	1.2	1.2	1.8	2.4	3.0	3.0
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)