

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: P1325291

Luminaire Tested: LDSQA3D05R50W2N902765DE010 3LSQCA30R 1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325291
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R50W2N902765DE010 3LSQCA30R 1MMS_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

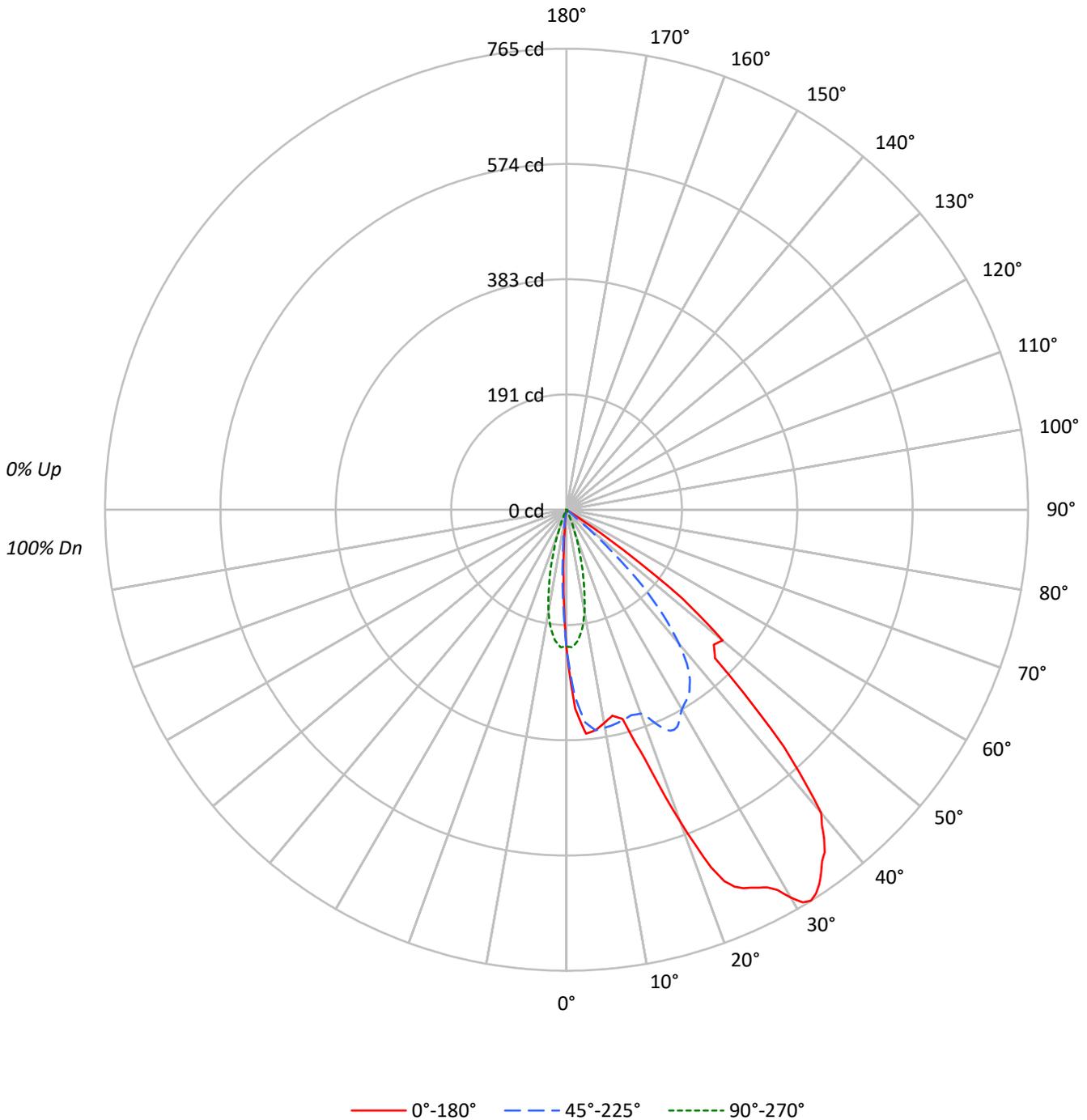
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 366.1 lumens
Efficiency: N/A
Efficacy: 62.0 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100	
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91	
2	105	99	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82	86	84	82	
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74	78	75	74	
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	66	72	69	66	
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59	64	61	59	
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54	60	56	54	
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48	55	50	48	
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44	54	49	46	
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40	50	45	42	
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37	46	42	38	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	39129	39129	39129	39129	39129
5°	64484	61200	37619	11168	5584
10°	62852	64233	30132	560	752
15°	64080	64455	18044	571	196
20°	101003	65998	7441	0	0
25°	131669	76885	1767	0	0
30°	147777	76026	80	0	0
35°	154656	74868	0	0	0
40°	147527	65041	0	0	0
45°	84734	42940	0	0	0
50°	90427	4903	0	0	0
55°	25762	0	0	0	0
60°	0	0	138	0	0
65°	0	163	163	0	0
70°	0	201	201	0	0
75°	0	266	266	0	0
80°	0	397	694	397	0
85°	0	790	1383	790	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 93551 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.1	5.2
10°-20°	48.1	13.1
20°-30°	92.4	25.2
30°-40°	107.5	29.4
40°-50°	76.9	21.0
50°-60°	21.4	5.8
60°-70°	0.2	0.0
70°-80°	0.2	0.1
80°-90°	0.3	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°	159.5	43.6
0°-40°	267.0	72.9
0°-60°	365.4	99.8
0°-90°	366.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	366.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	227	227	227	227	227	
5°	373	354	218	65	32	34
15°	359	362	101	3	1	116
25°	693	405	9	0	0	315
35°	736	356	0	0	0	455
45°	348	176	0	0	0	327
55°	86	0	0	0	0	108
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2	227.2
2.5°	330.3	332.1	332.4	328.1	328.8	322.7	323.1	318.8	308.4	272.1	228.3
5°	373.0	371.9	373.0	371.6	373.0	369.4	367.3	365.5	354.0	302.6	217.6
7.5°	369.0	367.6	369.8	370.5	373.0	371.9	372.3	373.4	369.4	319.1	199.2
10°	359.4	359.0	360.1	360.1	362.9	363.3	364.7	366.9	367.3	324.9	172.3
12.5°	350.0	348.9	348.9	348.6	350.0	349.7	353.2	358.3	365.1	321.3	135.3
15°	359.4	358.3	356.8	352.9	350.0	346.8	347.1	350.4	361.5	312.0	101.2
17.5°	434.7	429.0	421.8	409.3	396.0	373.0	359.4	350.7	357.2	297.6	67.5
20°	551.1	548.5	537.1	516.6	495.1	461.3	419.3	385.6	360.1	279.7	40.6
21°	595.2	593.8	581.6	562.5	538.1	497.2	454.1	413.6	365.8	272.1	32.0
22°	640.4	635.1	625.4	604.2	578.7	537.8	489.7	444.8	377.3	262.4	24.4
23°	669.5	666.3	655.9	639.0	614.6	574.7	525.6	476.7	388.4	251.7	18.3
24°	684.6	683.5	675.3	663.4	642.6	602.0	555.4	505.1	397.8	239.1	13.3
25°	692.9	689.3	684.2	675.6	659.8	624.6	583.0	529.9	404.6	226.5	9.3
26°	697.9	695.7	687.8	680.3	665.2	636.5	601.0	545.0	406.4	211.1	6.5
27°	703.6	698.6	691.1	682.1	665.2	640.1	607.8	551.4	404.2	195.3	4.3
28°	709.7	706.1	695.7	684.2	664.1	640.1	605.3	542.8	397.8	180.2	2.5
29°	721.6	716.9	704.0	687.1	664.5	639.4	595.6	524.8	389.1	163.3	1.4
30°	743.1	733.4	717.6	693.9	667.0	637.9	579.4	497.9	382.3	144.3	0.4
31°	760.0	754.6	736.3	706.5	674.2	634.0	560.4	471.4	377.7	127.8	0.0
32°	764.7	760.7	747.4	719.4	686.4	630.8	538.8	445.5	374.1	109.5	0.0
33°	759.3	756.8	742.8	717.3	689.6	626.4	514.1	420.0	370.1	93.0	0.0
34°	749.2	746.0	733.8	707.9	681.4	607.8	490.4	400.6	364.4	77.5	0.0
35°	735.6	733.1	720.5	695.0	666.3	578.7	466.7	387.7	356.1	62.1	0.0
36°	720.9	720.1	704.0	678.9	646.9	550.7	438.0	378.0	347.9	49.2	0.0
37°	711.2	707.6	690.0	665.2	623.9	518.0	415.0	374.8	336.4	38.1	0.0
38°	693.6	694.3	674.2	651.6	600.6	489.7	396.3	372.3	323.5	27.6	0.0
39°	672.8	673.1	652.3	632.9	573.0	459.9	380.9	369.8	307.3	17.6	0.0
40°	656.2	655.9	632.2	611.4	543.2	431.9	372.6	366.2	289.3	10.1	0.0
42.5°	533.5	535.6	538.5	547.1	473.2	382.7	364.7	346.1	238.4	0.0	0.0
45°	347.9	356.1	358.3	384.1	383.8	362.6	346.1	310.2	176.3	0.0	0.0
47.5°	331.0	333.5	338.2	348.2	353.6	343.2	309.5	259.2	96.2	0.0	0.0
50°	337.5	337.1	338.2	338.2	328.5	301.6	253.8	191.3	18.3	0.0	0.0
52.5°	242.3	251.3	261.0	265.3	252.7	224.4	185.2	112.4	0.0	0.0	0.0
55°	85.8	82.9	80.8	88.3	86.5	97.3	80.4	26.2	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.4	1.4	3.2	4.3	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.7
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):

	112.5°	135°	157.5°	180°
0°	227.2	227.2	227.2	227.2
2.5°	182.0	139.6	113.1	114.9
5°	127.8	64.6	39.8	32.3
7.5°	76.5	19.7	3.9	3.2
10°	35.9	3.2	3.6	4.3
12.5°	10.8	2.9	3.9	3.6
15°	2.9	3.2	1.8	1.1
17.5°	1.1	1.4	0.0	0.0
20°	0.7	0.0	0.0	0.0
21°	0.7	0.0	0.0	0.0
22°	0.4	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.4	0.0	0.0	0.0
67.5°	0.4	0.0	0.0	0.0
70°	0.4	0.0	0.0	0.0
72.5°	0.4	0.0	0.0	0.0
75°	0.4	0.0	0.0	0.0
77.5°	0.4	0.0	0.0	0.0
80°	0.4	0.4	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.4	0.4	0.0	0.0
85°	0.4	0.4	0.0	0.0
87.5°	0.4	0.4	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)