

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: P1325292

Luminaire Tested: LDSQA3D05R50W2N902765DE010 3LSQCA30R 1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325292
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

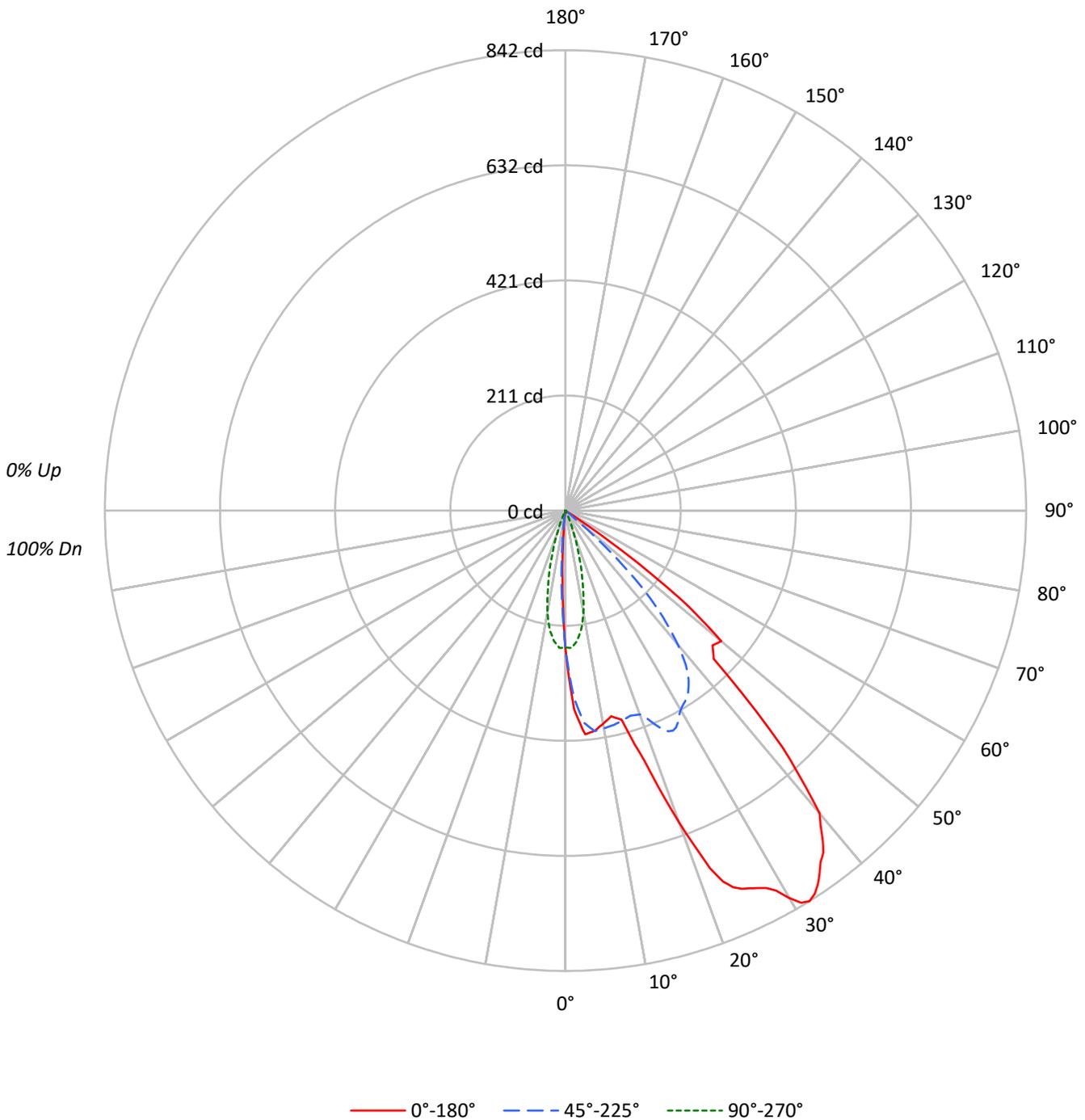
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 403.0 lumens
Efficiency: N/A
Efficacy: 68.3 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	66	62	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°	43090	43090	43090	43090	43090
5°	71002	67389	41405	12309	6155
10°	69200	70721	33175	630	822
15°	70553	70980	19880	642	214
20°	111212	72669	8192	0	0
25°	144971	84657	1957	0	0
30°	162712	83722	80	0	0
35°	170277	82437	0	0	0
40°	162455	71628	0	0	0
45°	93283	47275	0	0	0
50°	99563	5412	0	0	0
55°	28375	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	793	397	0
85°	0	790	1581	790	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 103026 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	5.2
10°-20°	52.9	13.1
20°-30°	101.7	25.2
30°-40°	118.4	29.4
40°-50°	84.7	21.0
50°-60°	23.6	5.9
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°	175.7	43.6
0°-40°	294.0	73.0
0°-60°	402.3	99.8
0°-90°	403.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	403.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	250	250	250	250	250	
5°	411	390	240	71	36	38
15°	396	398	112	4	1	128
25°	763	446	10	0	0	347
35°	810	392	0	0	0	501
45°	383	194	0	0	0	360
55°	94	0	0	0	0	119
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°	250.2	250.2	250.2	250.2	250.2	250.2	250.2	250.2	250.2	250.2	250.2
2.5°	363.7	365.6	366.0	361.3	362.1	355.4	355.8	351.0	339.5	299.6	251.4
5°	410.7	409.5	410.7	409.1	410.7	406.7	404.4	402.4	389.8	333.2	239.5
7.5°	406.4	404.8	407.1	407.9	410.7	409.5	409.9	411.1	406.7	351.4	219.4
10°	395.7	395.3	396.5	396.5	399.6	400.0	401.6	404.0	404.4	357.7	189.7
12.5°	385.4	384.2	384.2	383.8	385.4	385.0	389.0	394.5	402.0	353.8	149.0
15°	395.7	394.5	392.9	388.6	385.4	381.8	382.2	385.8	398.1	343.5	111.5
17.5°	478.7	472.4	464.5	450.6	436.0	410.7	395.7	386.2	393.3	327.7	74.3
20°	606.8	604.0	591.3	568.8	545.1	507.9	461.7	424.5	396.5	307.9	44.7
21°	655.4	653.8	640.4	619.4	592.5	547.5	500.0	455.4	402.8	299.6	35.2
22°	705.2	699.3	688.6	665.3	637.2	592.1	539.2	489.8	415.4	289.0	26.9
23°	737.2	733.6	722.2	703.6	676.7	632.9	578.7	524.9	427.7	277.1	20.2
24°	753.8	752.6	743.5	730.5	707.6	662.9	611.5	556.2	438.0	263.3	14.6
25°	762.9	758.9	753.4	743.9	726.5	687.8	641.9	583.4	445.5	249.4	10.3
26°	768.4	766.1	757.4	749.1	732.5	700.8	661.7	600.0	447.5	232.4	7.1
27°	774.8	769.2	760.9	751.0	732.5	704.8	669.2	607.2	445.1	215.0	4.7
28°	781.5	777.5	766.1	753.4	731.3	704.8	666.5	597.7	438.0	198.4	2.8
29°	794.5	789.4	775.2	756.6	731.7	704.0	655.8	577.9	428.5	179.9	1.6
30°	818.2	807.6	790.2	764.1	734.4	702.4	638.0	548.3	421.0	158.9	0.4
31°	836.8	830.9	810.7	777.9	742.3	698.1	617.0	519.0	415.8	140.7	0.0
32°	842.0	837.6	823.0	792.2	755.8	694.5	593.3	490.5	411.9	120.6	0.0
33°	836.0	833.3	817.8	789.8	759.3	689.8	566.0	462.5	407.5	102.4	0.0
34°	825.0	821.4	808.0	779.5	750.3	669.2	540.0	441.1	401.2	85.4	0.0
35°	809.9	807.2	793.3	765.3	733.6	637.2	513.9	426.9	392.1	68.4	0.0
36°	793.7	792.9	775.2	747.5	712.3	606.4	482.2	416.2	383.0	54.2	0.0
37°	783.1	779.1	759.7	732.5	687.0	570.4	456.9	412.7	370.4	41.9	0.0
38°	763.7	764.5	742.3	717.4	661.3	539.2	436.4	409.9	356.2	30.4	0.0
39°	740.8	741.2	718.2	696.9	630.9	506.4	419.4	407.1	338.4	19.4	0.0
40°	722.6	722.2	696.1	673.2	598.1	475.5	410.3	403.2	318.6	11.1	0.0
42.5°	587.4	589.8	592.9	602.4	521.0	421.4	401.6	381.1	262.5	0.0	0.0
45°	383.0	392.1	394.5	423.0	422.6	399.2	381.1	341.5	194.1	0.0	0.0
47.5°	364.5	367.2	372.4	383.4	389.4	377.9	340.7	285.4	105.9	0.0	0.0
50°	371.6	371.2	372.4	372.4	361.7	332.0	279.5	210.7	20.2	0.0	0.0
52.5°	266.8	276.7	287.4	292.1	278.3	247.1	204.0	123.7	0.0	0.0	0.0
55°	94.5	91.3	88.9	97.2	95.3	107.1	88.5	28.9	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.4	1.6	3.6	4.7	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	0.8
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8



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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	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.8
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°	250.2	250.2	250.2	250.2
2.5°	200.4	153.8	124.5	126.5
5°	140.7	71.2	43.9	35.6
7.5°	84.2	21.7	4.3	3.6
10°	39.5	3.6	4.0	4.7
12.5°	11.9	3.2	4.3	4.0
15°	3.2	3.6	2.0	1.2
17.5°	1.2	1.6	0.0	0.0
20°	0.8	0.0	0.0	0.0
21°	0.8	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)