

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: P1325249

Luminaire Tested: LDSQA3D05R50W2N902750DE010 3LSQCA30R 1MMS_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325249
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: LDSQA3D05R50W2N902750DE010 3LSQCA30R 1MMS_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R50 optic, 5000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

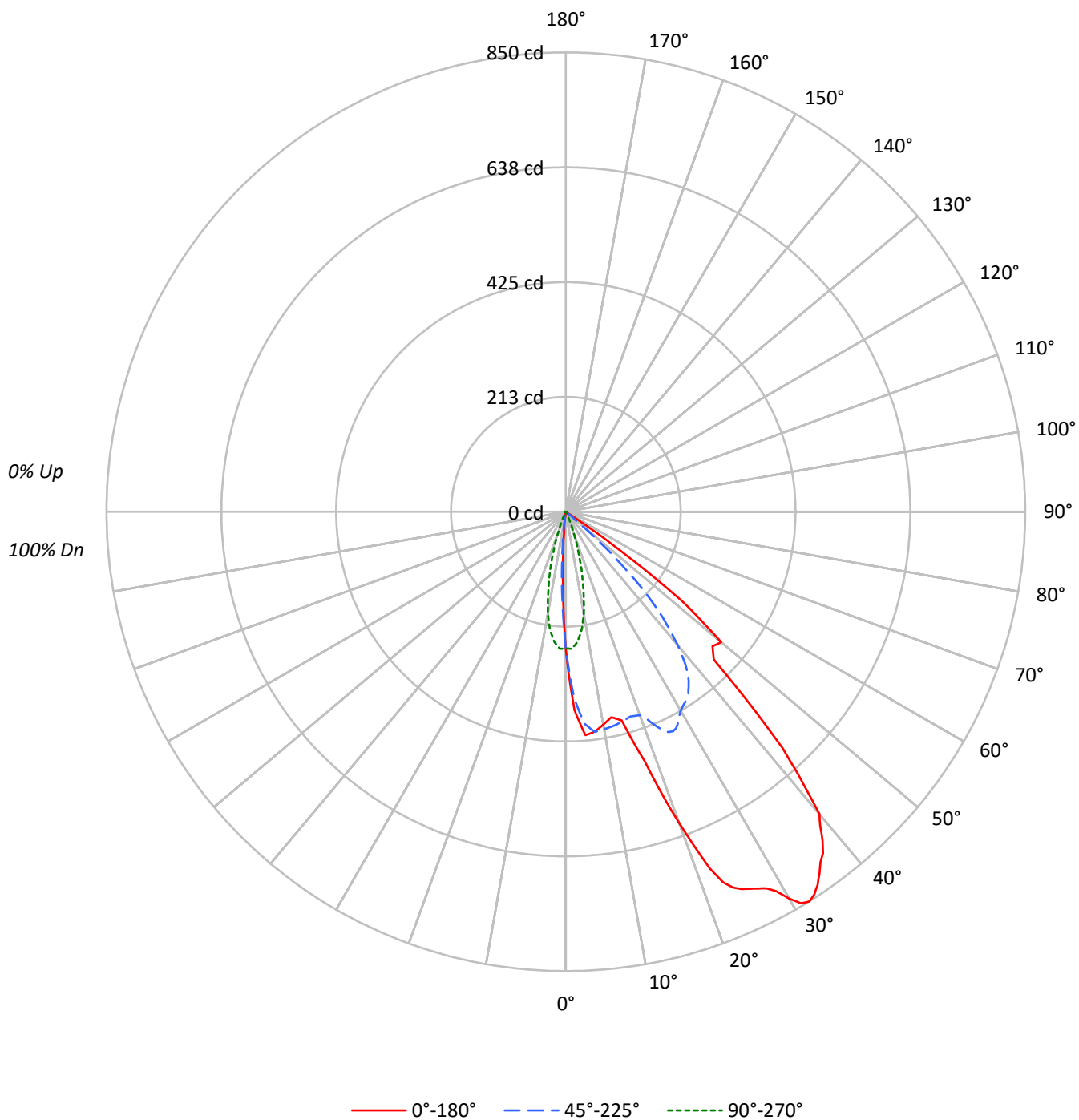
Lumens per Lamp: N/A
Luminaire Lumens: 407.0 lumens
Efficiency: N/A
Efficacy: 69.0 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82	82
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74	74
4	92	83	76	71	90	81	75	70	79	74	70	77	72	69	75	71	68	66	66
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54	54
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44	44
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	43521	43521	43521	43521	43521
5°	71711	68046	41820	12430	6206
10°	69882	71421	33507	630	839
15°	71248	71676	20076	642	214
20°	112311	73384	8266	0	0
25°	146416	85493	1976	0	0
30°	164343	84558	80	0	0
35°	171980	83257	0	0	0
40°	164074	72347	0	0	0
45°	94209	47738	0	0	0
50°	100554	5466	0	0	0
55°	28645	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: 104049 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.2	5.2
10°-20°	53.5	13.1
20°-30°	102.7	25.2
30°-40°	119.5	29.4
40°-50°	85.6	21.0
50°-60°	23.8	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°	177.4	43.6
0°-40°	296.9	73.0
0°-60°	406.3	99.8
0°-90°	407.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	407.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	253	253	253	253	253	
5°	415	394	242	72	36	38
15°	400	402	113	4	1	129
25°	770	450	10	0	0	350
35°	818	396	0	0	0	506
45°	387	196	0	0	0	364
55°	95	0	0	0	0	120
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°	252.7	252.7	252.7	252.7	252.7	252.7	252.7	252.7	252.7	252.7	252.7
2.5°	367.3	369.3	369.7	364.9	365.7	358.9	359.3	354.5	342.9	302.6	253.9
5°	414.8	413.6	414.8	413.2	414.8	410.8	408.4	406.4	393.6	336.5	241.9
7.5°	410.4	408.8	411.2	412.0	414.8	413.6	414.0	415.2	410.8	354.9	221.6
10°	399.6	399.2	400.4	400.4	403.6	404.0	405.6	408.0	408.4	361.3	191.6
12.5°	389.2	388.0	388.0	387.6	389.2	388.8	392.8	398.4	406.0	357.3	150.5
15°	399.6	398.4	396.8	392.4	389.2	385.6	386.0	389.6	402.0	346.9	112.6
17.5°	483.4	477.1	469.1	455.1	440.3	414.8	399.6	390.0	397.2	330.9	75.1
20°	612.8	610.0	597.2	574.5	550.5	513.0	466.3	428.7	400.4	311.0	45.1
21°	661.9	660.3	646.7	625.6	598.4	552.9	505.0	459.9	406.8	302.6	35.5
22°	712.2	706.2	695.4	671.9	643.5	598.0	544.5	494.6	419.6	291.8	27.1
23°	744.5	740.9	729.4	710.6	683.4	639.1	584.4	530.1	431.9	279.8	20.4
24°	761.3	760.1	750.9	737.7	714.6	669.5	617.6	561.7	442.3	265.9	14.8
25°	770.5	766.5	760.9	751.3	733.7	694.6	648.3	589.2	449.9	251.9	10.4
26°	776.1	773.7	764.9	756.5	739.7	707.8	668.3	606.0	451.9	234.7	7.2
27°	782.4	776.9	768.5	758.5	739.7	711.8	675.9	613.2	449.5	217.2	4.8
28°	789.2	785.2	773.7	760.9	738.5	711.8	673.1	603.6	442.3	200.4	2.8
29°	802.4	797.2	782.8	764.1	738.9	711.0	662.3	583.6	432.7	181.6	1.6
30°	826.4	815.6	798.0	771.7	741.7	709.4	644.3	553.7	425.2	160.5	0.4
31°	845.1	839.1	818.8	785.6	749.7	705.0	623.2	524.2	420.0	142.1	0.0
32°	850.3	845.9	831.2	800.0	763.3	701.4	599.2	495.4	416.0	121.8	0.0
33°	844.3	841.5	826.0	797.6	766.9	696.6	571.7	467.1	411.6	103.4	0.0
34°	833.1	829.6	816.0	787.2	757.7	675.9	545.3	445.5	405.2	86.2	0.0
35°	818.0	815.2	801.2	772.9	740.9	643.5	519.0	431.1	396.0	69.1	0.0
36°	801.6	800.8	782.8	754.9	719.4	612.4	487.0	420.4	386.8	54.7	0.0
37°	790.8	786.8	767.3	739.7	693.8	576.1	461.5	416.8	374.1	42.3	0.0
38°	771.3	772.1	749.7	724.6	667.9	544.5	440.7	414.0	359.7	30.7	0.0
39°	748.1	748.5	725.4	703.8	637.1	511.4	423.6	411.2	341.7	19.6	0.0
40°	729.8	729.4	703.0	679.9	604.0	480.2	414.4	407.2	321.8	11.2	0.0
42.5°	593.2	595.6	598.8	608.4	526.2	425.6	405.6	384.8	265.1	0.0	0.0
45°	386.8	396.0	398.4	427.2	426.8	403.2	384.8	344.9	196.0	0.0	0.0
47.5°	368.1	370.9	376.1	387.2	393.2	381.6	344.1	288.2	107.0	0.0	0.0
50°	375.3	374.9	376.1	376.1	365.3	335.3	282.2	212.8	20.4	0.0	0.0
52.5°	269.5	279.4	290.2	295.0	281.0	249.5	206.0	125.0	0.0	0.0	0.0
55°	95.4	92.2	89.8	98.2	96.2	108.2	89.4	29.1	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.4	1.6	3.6	4.8	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°	252.7	252.7	252.7	252.7
2.5°	202.4	155.3	125.8	127.7
5°	142.1	71.9	44.3	35.9
7.5°	85.0	22.0	4.4	3.6
10°	39.9	3.6	4.0	4.8
12.5°	12.0	3.2	4.4	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)