

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: P1325400

Luminaire Tested: LDSQA3D05R55W2N902765DE010 3LSQCA30R 1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325400
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-66)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R55W2N902765DE010 3LSQCA30R 1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 5000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

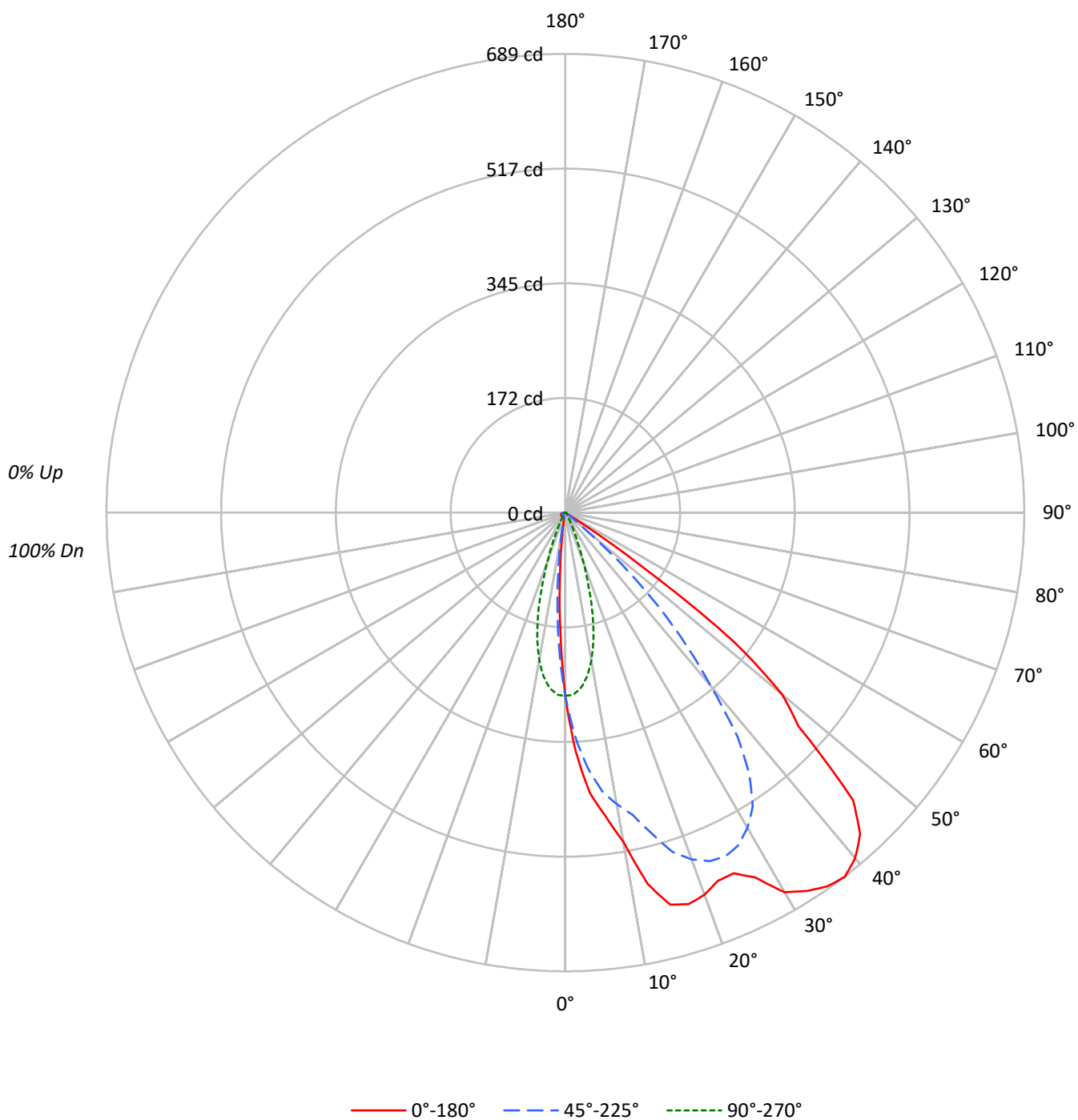
Lumens per Lamp: N/A
Luminaire Lumens: 459.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 1.79 / 0.55 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	10
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	107	104	102	103	100	98	99	97	95	95	94	93	91		
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81		
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73		
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65		
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59		
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53		
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48		
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44		
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40		
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	47378	47378	47378	47378	47378
5°	73059	66524	45761	23512	15438
10°	87789	77751	39400	5928	2378
15°	108690	88792	28153	1640	1284
20°	111945	101571	14534	1100	1100
25°	113579	108201	5834	988	1140
30°	130913	108700	2545	1034	1193
35°	144102	101338	1093	1093	1346
40°	152204	76282	629	1259	1439
45°	148864	46617	585	1364	1754
50°	113871	9940	643	1608	2036
55°	41766	360	721	1802	2282
60°	413	413	827	2067	2618
65°	489	489	978	2119	2771
70°	403	604	1007	2417	3223
75°	266	532	1065	2662	3726
80°	397	793	1190	2777	3967
85°	0	790	1581	3162	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 148864 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.2	5.3
10°-20°	69.4	15.1
20°-30°	106.4	23.2
30°-40°	124.0	27.0
40°-50°	99.1	21.6
50°-60°	29.3	6.4
60°-70°	3.2	0.7
70°-80°	2.5	0.5
80°-90°	1.1	0.2
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°	200.0	43.6
0°-40°	324.0	70.6
0°-60°	452.4	98.5
0°-90°	459.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	459.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	275	275	275	275	275	
5°	423	385	265	136	89	42
15°	610	498	158	9	7	168
25°	598	569	31	5	6	284
35°	685	482	5	5	6	427
45°	611	191	2	6	7	441
55°	139	1	2	6	8	147
65°	1	1	2	5	7	1
75°	0	1	2	4	6	1
85°	0	0	1	2	2	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°	275.1	275.1	275.1	275.1	275.1	275.1	275.1	275.1	275.1	275.1	275.1
2.5°	358.8	358.8	357.6	358.0	357.2	352.9	352.1	346.5	341.7	336.5	332.1
5°	422.6	423.4	422.2	419.8	416.7	413.5	406.7	401.5	394.7	384.8	375.6
7.5°	458.9	458.1	456.1	455.3	453.3	449.7	445.0	439.4	431.4	421.4	410.7
10°	502.0	495.2	493.2	490.0	483.6	476.5	468.1	460.5	453.7	444.6	433.0
12.5°	571.3	570.2	562.2	556.2	547.4	531.5	517.1	500.4	480.4	464.5	449.3
15°	609.6	610.4	606.8	602.0	596.5	583.3	569.0	549.4	525.9	498.0	473.3
17.5°	616.4	617.6	615.6	613.6	612.0	604.4	595.7	581.7	560.2	534.3	497.6
20°	610.8	613.2	613.6	616.0	619.2	616.0	608.8	599.3	581.3	554.2	519.1
22.5°	598.5	602.8	606.0	614.4	622.8	622.8	618.4	610.8	593.3	566.6	530.7
25°	597.7	598.5	599.7	613.2	626.4	629.2	625.2	617.2	598.1	569.4	530.3
27.5°	617.6	612.4	604.4	618.0	633.5	635.9	630.4	619.6	596.9	563.0	516.7
30°	658.3	646.7	630.0	639.9	650.7	647.9	636.7	619.6	588.9	546.6	491.2
32.5°	673.8	667.4	661.5	672.2	674.2	662.7	642.7	617.2	576.1	523.5	449.3
35°	685.4	685.8	683.4	685.4	675.8	659.5	637.5	604.0	552.2	482.0	393.9
37.5°	689.4	690.2	685.0	677.8	663.5	644.7	618.4	580.1	512.3	425.0	310.2
40°	677.0	674.6	666.2	656.3	640.7	621.6	592.9	535.9	452.9	339.3	242.0
42.5°	655.1	651.1	641.1	629.2	612.8	588.5	542.6	473.7	368.0	264.7	169.5
45°	611.2	608.4	596.1	587.3	567.8	536.3	477.3	390.3	284.7	191.4	98.1
47.5°	474.9	475.3	484.8	489.2	482.4	457.3	387.9	296.6	207.7	114.0	33.1
50°	425.0	423.0	413.5	400.3	378.4	340.9	284.7	209.7	122.8	37.1	4.8
52.5°	322.6	322.6	317.8	311.0	287.9	251.6	192.6	116.0	43.1	6.4	1.2
55°	139.1	132.0	136.0	143.5	137.6	119.6	90.1	34.7	7.6	1.2	1.2
57.5°	2.0	4.8	7.2	11.6	15.5	18.7	10.0	3.6	1.2	1.2	1.2
60°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
62.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
67.5°	0.8	0.8	0.8	1.2	0.8	1.2	1.2	1.2	1.2	1.2	1.2
70°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2
72.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
75°	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
77.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4
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°	275.1	275.1	275.1	275.1	275.1	275.1	275.1	275.1
2.5°	325.7	319.0	307.8	273.9	238.8	206.5	183.4	174.6
5°	365.2	352.9	334.1	264.7	195.0	136.0	102.5	89.3
7.5°	396.3	380.4	353.3	248.8	143.1	72.6	43.5	34.3
10°	417.0	399.5	364.0	225.3	94.9	33.9	16.3	13.6
12.5°	432.2	410.3	368.0	195.0	55.8	15.5	8.8	8.0
15°	443.4	415.1	363.2	157.9	30.7	9.2	7.2	7.2
17.5°	458.9	417.4	351.7	116.4	17.5	6.8	6.8	6.8
20°	470.9	417.4	329.7	79.3	10.8	6.0	6.0	6.0
22.5°	476.9	411.1	303.0	50.2	7.6	5.6	6.0	6.0
25°	470.9	395.5	268.7	30.7	6.0	5.2	5.6	6.0
27.5°	448.9	364.4	222.9	19.5	4.8	5.2	5.6	6.0
30°	412.3	319.4	171.0	12.8	4.4	5.2	5.6	6.0
32.5°	360.4	252.4	110.8	8.4	4.0	5.2	5.6	6.0
35°	281.5	178.6	67.0	5.2	4.0	5.2	6.0	6.4
37.5°	210.9	119.2	36.3	3.2	4.0	5.2	6.0	6.4
40°	146.3	69.4	15.5	2.8	4.0	5.6	6.4	6.4
42.5°	84.9	27.5	4.0	2.4	4.0	5.6	6.4	6.8
45°	31.1	5.6	1.2	2.4	4.4	5.6	6.4	7.2
47.5°	4.4	1.2	1.2	2.4	4.4	5.6	6.8	7.2
50°	1.2	1.2	1.2	2.4	4.4	6.0	7.2	7.6
52.5°	1.2	1.2	1.2	2.4	4.4	6.0	7.2	7.6
55°	1.2	1.2	1.2	2.4	4.4	6.0	7.2	7.6
57.5°	1.2	1.2	1.2	2.4	4.4	6.0	7.2	7.6
60°	1.2	1.2	1.2	2.4	4.0	6.0	7.2	7.6
62.5°	1.2	1.2	1.2	2.4	4.0	5.6	6.8	7.2
65°	1.2	1.2	1.2	2.4	3.6	5.2	6.8	6.8
67.5°	1.2	1.2	1.2	2.0	3.6	5.2	6.4	6.8
70°	1.2	1.2	1.2	2.0	3.2	4.8	6.0	6.4
72.5°	1.2	1.2	1.2	1.6	2.8	4.4	5.6	6.0
75°	0.8	1.2	1.2	1.6	2.8	4.0	5.2	5.6
77.5°	0.8	1.2	1.2	1.2	2.4	3.2	4.4	4.8
80°	0.8	0.8	1.2	1.2	2.0	2.8	3.6	4.0
82.5°	0.8	0.8	0.8	1.2	1.6	2.0	2.8	2.8
85°	0.8	0.8	0.8	0.8	1.2	1.6	2.0	2.0
87.5°	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)