

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: P1325345

Luminaire Tested: LDSQA3D05R55W2N902750DE010 3LSQCA30R 1MMS\_3000K

Issue Date: 1/29/2026

**Test Information**

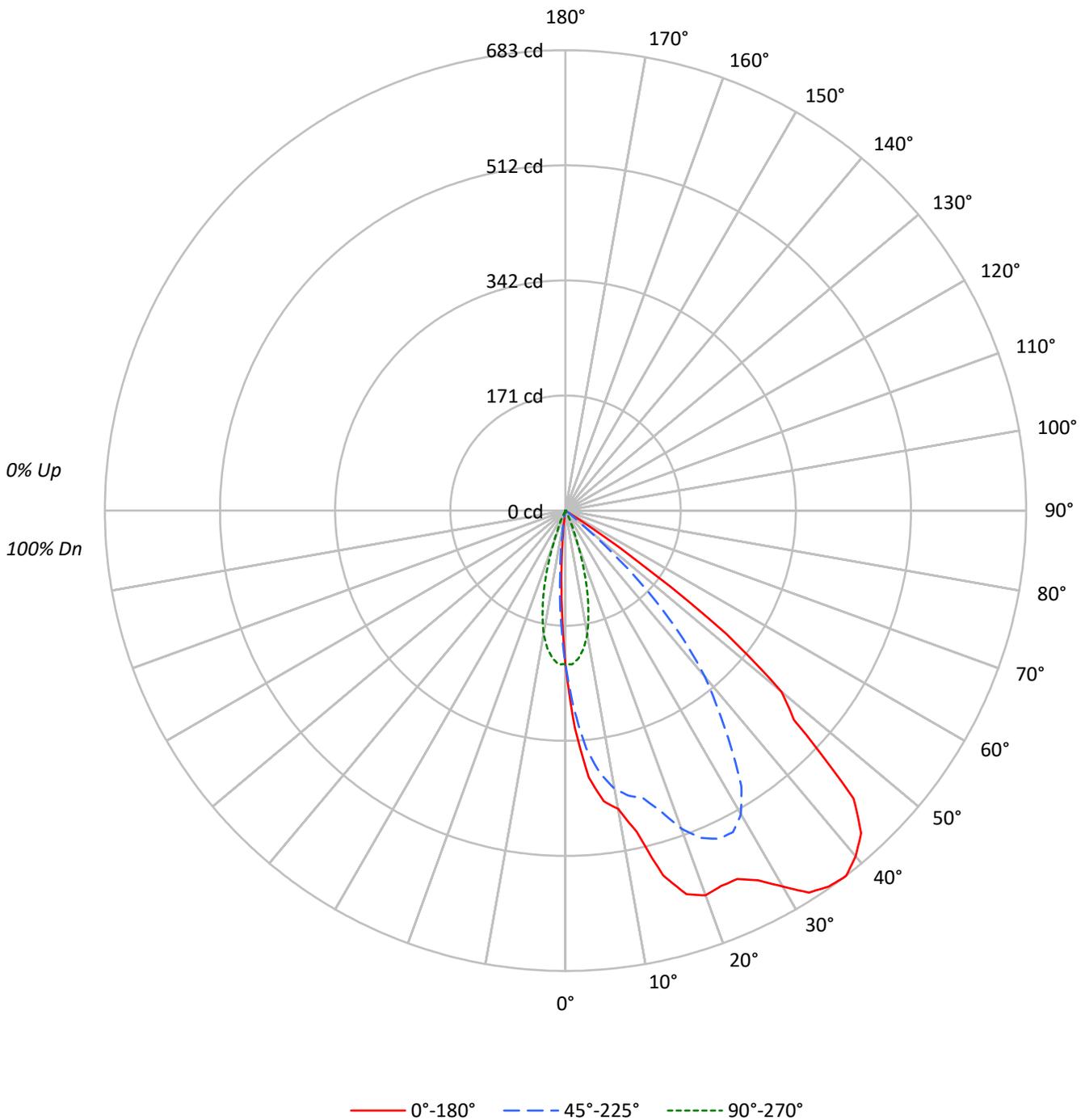
Test Method: LM-79-2019  
Report Number: P1325345  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R55W2N902750DE010 3LSQCA30R 1MMS\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 421.0 lumens  
Efficiency: N/A  
Efficacy: 71.4 lumens/watt  
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27  
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	99	95	90	103	98	93	89	94	91	87	91	88	86	88	86	84	82
3	98	90	84	80	96	89	83	79	86	82	78	84	80	76	81	78	75	73
4	92	82	76	71	90	81	75	70	79	74	69	77	72	68	75	71	68	66
5	86	75	68	63	84	74	68	63	72	67	62	71	65	61	69	64	61	59
6	80	69	62	56	78	68	61	56	66	60	56	65	60	55	64	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	56	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	38	60	49	43	38	49	42	38	48	42	38	47	42	38	36

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	39181	39181	39181	39181	39181
5°	68668	61217	38034	15801	9094
10°	78591	73274	32510	1731	630
15°	99883	78647	22287	357	214
20°	111303	92023	9787	0	0
25°	114567	102101	2774	0	0
30°	128010	103470	398	0	0
35°	143072	89838	0	0	0
40°	150495	72325	0	0	0
45°	147134	45667	0	0	0
50°	112049	9324	0	0	0
55°	36722	0	0	0	0
60°	0	0	0	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	790	790	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 147134 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	20.8	4.9
10°-20°	60.9	14.5
20°-30°	99.1	23.5
30°-40°	117.7	28.0
40°-50°	96.3	22.9
50°-60°	25.5	6.1
60°-70°	0.2	0.0
70°-80°	0.3	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°	180.8	42.9
0°-40°	298.5	70.9
0°-60°	420.3	99.8
0°-90°	421.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	421.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	228	228	228	228	228	
5°	397	354	220	91	53	39
15°	560	441	125	2	1	157
25°	603	537	15	0	0	284
35°	680	427	0	0	0	423
45°	604	188	0	0	0	434
55°	122	0	0	0	0	137
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5	227.5
2.5°	322.8	320.5	320.9	319.7	320.9	315.7	310.2	305.0	301.1	295.5	261.9
5°	397.2	393.3	392.1	390.5	388.9	382.6	377.4	371.1	363.6	354.1	292.4
7.5°	434.8	431.6	430.1	430.8	427.3	424.9	418.2	411.1	403.2	392.9	315.3
10°	449.4	446.3	445.9	445.5	445.1	443.5	440.3	434.0	426.9	419.0	328.4
12.5°	487.8	480.7	475.9	470.4	463.7	455.0	447.9	442.3	439.6	433.2	334.3
15°	560.2	553.5	548.3	541.2	528.6	510.0	493.0	471.2	452.2	441.1	331.9
17.5°	596.6	593.5	589.1	584.4	575.6	562.2	544.8	521.8	497.7	466.5	320.5
20°	607.3	605.7	602.6	600.6	594.6	585.1	573.3	555.5	532.9	502.1	302.7
22.5°	602.9	604.1	605.7	610.9	611.7	604.9	593.8	576.8	553.9	525.4	275.4
25°	602.9	602.2	602.2	612.8	619.6	616.4	608.5	593.1	569.7	537.3	241.7
27.5°	618.4	613.6	603.7	614.8	625.9	624.7	617.6	599.4	573.3	537.7	200.6
30°	643.7	633.4	617.2	627.5	637.8	633.4	621.9	598.6	565.4	520.3	150.3
32.5°	671.8	667.0	658.7	665.5	663.9	646.5	625.9	593.5	549.1	485.4	101.3
35°	680.5	681.3	675.7	674.6	665.5	647.7	625.9	578.8	515.1	427.3	60.1
37.5°	683.3	683.7	675.0	663.9	650.4	629.5	603.3	548.7	452.2	371.1	32.0
40°	669.4	669.0	654.8	641.3	626.3	605.7	567.7	485.4	392.5	321.7	11.5
42.5°	648.8	643.7	630.2	613.6	595.4	569.7	510.4	409.9	341.0	257.6	0.8
45°	604.1	599.4	588.7	570.9	550.7	514.3	420.6	352.1	277.3	187.5	0.0
47.5°	459.3	457.0	468.0	470.4	470.0	428.5	350.9	287.2	203.8	109.2	0.0
50°	418.2	415.0	403.9	389.7	364.4	329.6	281.3	212.9	119.5	34.8	0.0
52.5°	300.3	310.6	312.9	302.3	278.5	244.1	193.9	122.6	41.5	0.0	0.0
55°	122.3	115.9	120.7	126.6	131.4	120.7	89.4	43.5	0.4	0.0	0.0
57.5°	0.0	0.4	2.4	5.5	9.1	11.5	12.3	0.8	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	0.0	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	0.4	0.0	0.4	0.4	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	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	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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):**

	90°	112.5°	135°	157.5°	180°
0°	227.5	227.5	227.5	227.5	227.5
2.5°	228.3	193.1	159.0	140.5	131.4
5°	220.0	147.6	91.4	63.3	52.6
7.5°	206.1	101.3	36.4	15.0	10.7
10°	185.9	58.2	9.9	4.0	3.6
12.5°	157.1	26.5	3.6	2.8	2.8
15°	125.0	9.1	2.0	1.6	1.2
17.5°	87.8	2.4	0.8	0.0	0.0
20°	53.4	0.4	0.0	0.0	0.0
22.5°	29.7	0.0	0.0	0.0	0.0
25°	14.6	0.0	0.0	0.0	0.0
27.5°	6.3	0.0	0.0	0.0	0.0
30°	2.0	0.0	0.0	0.0	0.0
32.5°	0.0	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0	0.0
37.5°	0.0	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.4	0.0	0.0	0.0	0.0
65°	0.4	0.4	0.0	0.0	0.0
67.5°	0.4	0.4	0.0	0.0	0.0
70°	0.4	0.4	0.0	0.0	0.0
72.5°	0.4	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.0	0.0	0.0
77.5°	0.8	0.4	0.4	0.0	0.0
80°	0.8	0.4	0.4	0.0	0.0
82.5°	0.8	0.4	0.4	0.0	0.0
85°	0.4	0.4	0.4	0.0	0.0
87.5°	0.8	0.4	0.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)