

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: P1325352

Luminaire Tested: LDSQA3D05R55W2N902750DE010 3LSQCA30R 1MW_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325352
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: LDSQA3D05R55W2N902750DE010 3LSQCA30R 1MW_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 4000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

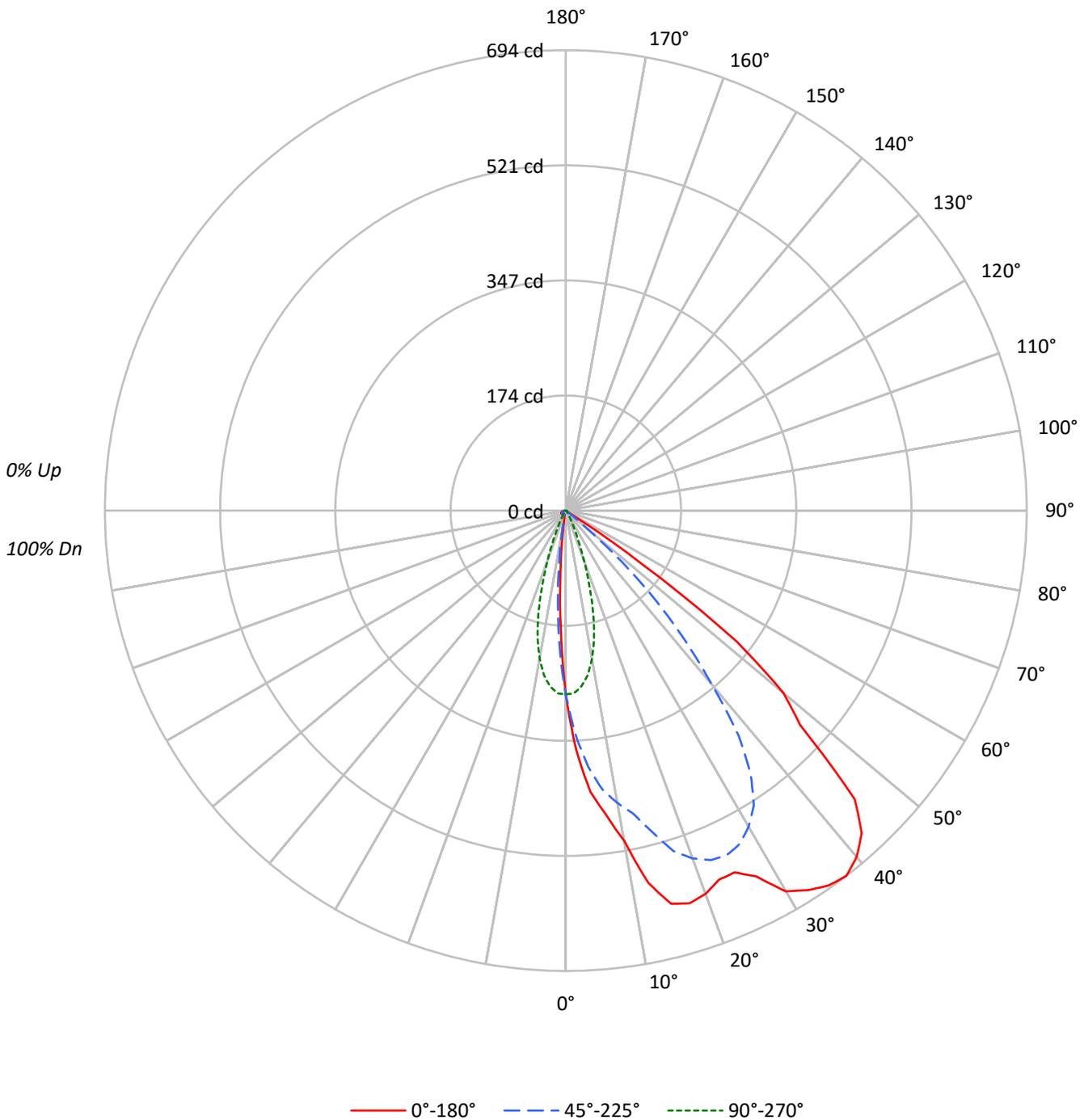
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 461.9 lumens
Efficiency: N/A
Efficacy: 78.3 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		0	
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	100	100
1	112	109	106	103	110	107	104	102	103	100	98	99	97	95	95	94	93	91	91	91
2	105	99	94	90	103	97	93	89	94	90	87	91	88	85	88	86	83	81	81	81
3	98	90	84	79	96	89	83	79	86	81	77	83	79	76	81	78	75	73	73	73
4	91	82	75	70	89	81	75	70	79	73	69	77	72	68	75	71	67	65	65	65
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59	59	59
6	80	69	62	56	78	68	61	56	66	60	56	65	59	55	63	59	55	53	53	53
7	75	63	56	51	73	63	56	51	61	55	50	60	54	50	59	54	50	48	48	48
8	70	58	51	46	68	58	51	46	57	50	46	55	50	46	54	49	45	44	44	44
9	66	54	47	42	64	53	47	42	52	46	42	51	46	42	50	45	41	40	40	40
10	62	50	43	39	61	50	43	38	49	43	38	48	42	38	47	42	38	37	37	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	47688	47688	47688	47688	47688
5°	73543	66957	46073	23650	15542
10°	88367	78259	39645	5963	2378
15°	109404	89363	28332	1640	1284
20°	112678	102231	14644	1100	1100
25°	114320	108904	5872	988	1140
30°	131768	109416	2545	1034	1193
35°	145048	102011	1093	1093	1346
40°	153193	76776	629	1259	1439
45°	149838	46910	585	1364	1754
50°	114621	9994	643	1608	2036
55°	42067	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: 149838 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.4	5.3
10°-20°	69.8	15.1
20°-30°	107.1	23.2
30°-40°	124.8	27.0
40°-50°	99.7	21.6
50°-60°	29.5	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°	201.3	43.6
0°-40°	326.1	70.6
0°-60°	455.3	98.6
0°-90°	461.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	461.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	277	277	277	277	277	
5°	425	387	266	137	90	42
15°	614	501	159	9	7	169
25°	602	573	31	5	6	286
35°	690	485	5	5	6	430
45°	615	193	2	6	7	444
55°	140	1	2	6	8	148
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°	276.9	276.9	276.9	276.9	276.9	276.9	276.9	276.9	276.9	276.9	276.9
2.5°	361.2	361.2	360.0	360.4	359.6	355.2	354.4	348.7	343.9	338.7	334.3
5°	425.4	426.2	425.0	422.6	419.4	416.2	409.3	404.1	397.3	387.3	378.0
7.5°	461.9	461.1	459.1	458.3	456.3	452.7	447.9	442.2	434.2	424.2	413.4
10°	505.3	498.4	496.4	493.2	486.8	479.6	471.1	463.5	456.7	447.5	435.8
12.5°	575.1	573.9	565.9	559.8	551.0	535.0	520.5	503.6	483.6	467.5	452.3
15°	613.6	614.4	610.8	606.0	600.4	587.1	572.7	553.0	529.3	501.2	476.4
17.5°	620.4	621.6	619.6	617.6	616.0	608.4	599.6	585.5	563.8	537.8	500.8
20°	614.8	617.2	617.6	620.0	623.2	620.0	612.8	603.2	585.1	557.8	522.5
22.5°	602.4	606.8	610.0	618.4	626.9	626.9	622.4	614.8	597.2	570.3	534.1
25°	601.6	602.4	603.6	617.2	630.5	633.3	629.3	621.2	602.0	573.1	533.7
27.5°	621.6	616.4	608.4	622.0	637.7	640.1	634.5	623.6	600.8	566.7	520.1
30°	662.6	650.9	634.1	644.1	654.9	652.1	640.9	623.6	592.7	550.2	494.4
32.5°	678.2	671.8	665.8	676.6	678.6	667.0	646.9	621.2	579.9	526.9	452.3
35°	689.9	690.3	687.9	689.9	680.2	663.8	641.7	608.0	555.8	485.2	396.5
37.5°	693.9	694.7	689.5	682.2	667.8	648.9	622.4	583.9	515.7	427.8	312.2
40°	681.4	679.0	670.6	660.6	644.9	625.6	596.8	539.4	455.9	341.5	243.6
42.5°	659.4	655.3	645.3	633.3	616.8	592.3	546.2	476.8	370.4	266.5	170.6
45°	615.2	612.4	600.0	591.1	571.5	539.8	480.4	392.9	286.5	192.6	98.7
47.5°	478.0	478.4	488.0	492.4	485.6	460.3	390.5	298.6	209.1	114.8	33.3
50°	427.8	425.8	416.2	402.9	380.8	343.1	286.5	211.1	123.6	37.3	4.8
52.5°	324.7	324.7	319.8	313.0	289.7	253.2	193.8	116.8	43.3	6.4	1.2
55°	140.1	132.8	136.8	144.5	138.5	120.4	90.7	34.9	7.6	1.2	1.2
57.5°	2.0	4.8	7.2	11.6	15.7	18.9	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°	276.9	276.9	276.9	276.9	276.9	276.9	276.9	276.9
2.5°	327.9	321.1	309.8	275.7	240.4	207.9	184.6	175.8
5°	367.6	355.2	336.3	266.5	196.2	136.8	103.1	89.9
7.5°	398.9	382.9	355.6	250.4	144.1	73.0	43.7	34.5
10°	419.8	402.1	366.4	226.7	95.5	34.1	16.5	13.6
12.5°	435.0	413.0	370.4	196.2	56.2	15.7	8.8	8.0
15°	446.3	417.8	365.6	158.9	30.9	9.2	7.2	7.2
17.5°	461.9	420.2	354.0	117.2	17.7	6.8	6.8	6.8
20°	474.0	420.2	331.9	79.9	10.8	6.0	6.0	6.0
22.5°	480.0	413.8	305.0	50.6	7.6	5.6	6.0	6.0
25°	474.0	398.1	270.5	30.9	6.0	5.2	5.6	6.0
27.5°	451.9	366.8	224.3	19.7	4.8	5.2	5.6	6.0
30°	415.0	321.5	172.2	12.8	4.4	5.2	5.6	6.0
32.5°	362.8	254.0	111.6	8.4	4.0	5.2	5.6	6.0
35°	283.3	179.8	67.4	5.2	4.0	5.2	6.0	6.4
37.5°	212.3	120.0	36.5	3.2	4.0	5.2	6.0	6.4
40°	147.3	69.8	15.7	2.8	4.0	5.6	6.4	6.4
42.5°	85.5	27.7	4.0	2.4	4.0	5.6	6.4	6.8
45°	31.3	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)