

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: P1325350

Luminaire Tested: LDSQA3D05R55W2N902750DE010 3LSQCA30R 1MW_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325350
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_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

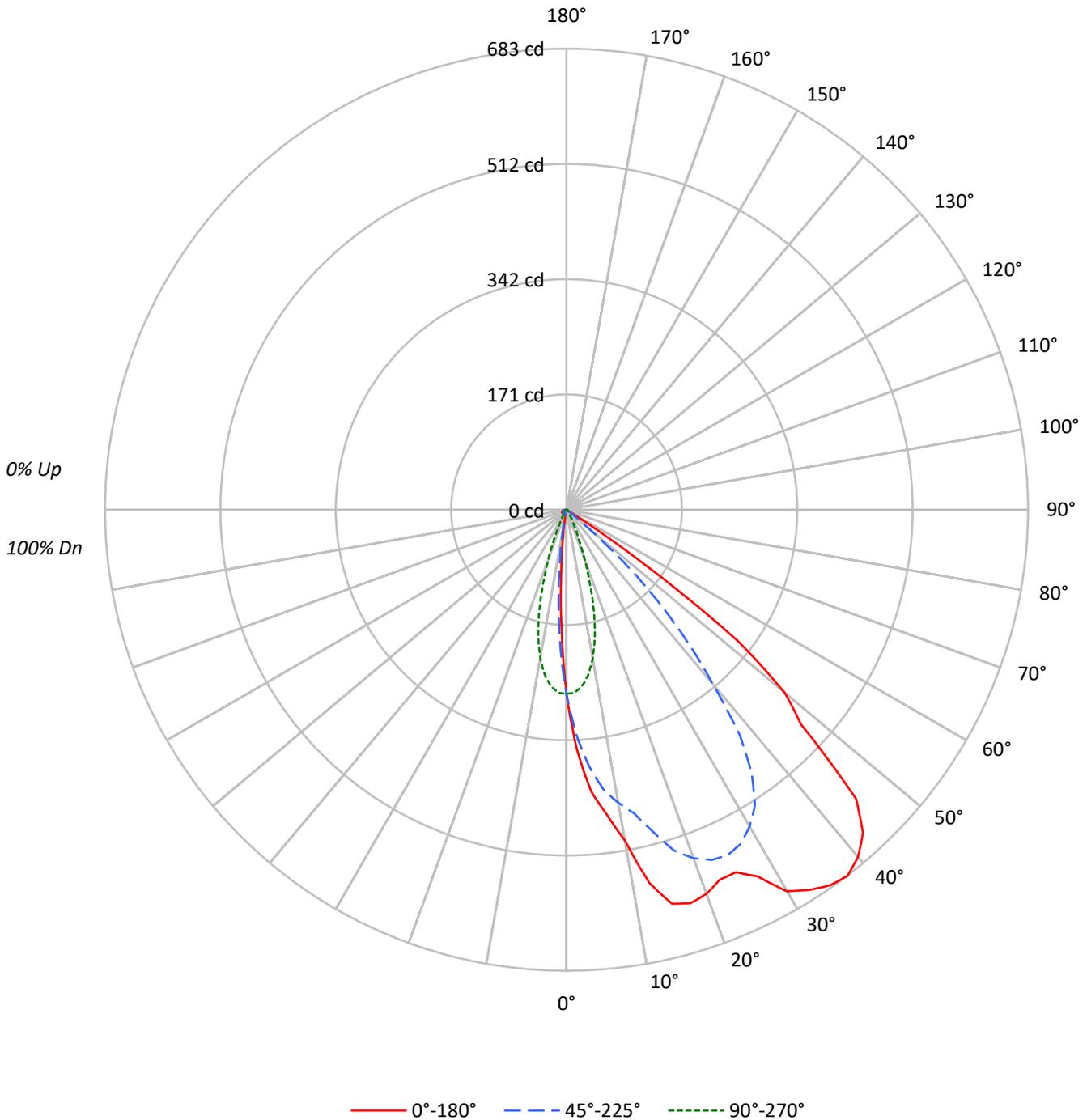
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 455.0 lumens
Efficiency: N/A
Efficacy: 77.1 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°	46965	46965	46965	46965	46965
5°	72420	65937	45364	23304	15300
10°	87020	77069	39051	5876	2343
15°	107745	88008	27904	1623	1266
20°	110973	100692	14424	1081	1081
25°	112591	107251	5777	969	1121
30°	129760	107765	2506	1014	1173
35°	142840	100455	1072	1072	1325
40°	150877	75607	629	1237	1416
45°	147573	46203	585	1340	1729
50°	112879	9860	643	1581	2009
55°	41406	360	721	1772	2252
60°	413	413	827	2032	2583
65°	489	489	978	2078	2730
70°	403	604	1007	2367	3172
75°	266	532	1065	2662	3660
80°	397	793	1190	2777	3967
85°	0	790	1581	3162	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 147573 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.0	5.3
10°-20°	68.8	15.1
20°-30°	105.5	23.2
30°-40°	122.9	27.0
40°-50°	98.2	21.6
50°-60°	29.1	6.4
60°-70°	3.1	0.7
70°-80°	2.4	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°	198.2	43.6
0°-40°	321.1	70.6
0°-60°	448.4	98.5
0°-90°	455.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	455.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	273	273	273	273	273	
5°	419	381	262	135	88	42
15°	604	494	156	9	7	167
25°	592	564	30	5	6	281
35°	679	478	5	5	6	423
45°	606	190	2	6	7	437
55°	138	1	2	6	8	146
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°	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7
2.5°	355.7	355.7	354.5	354.9	354.1	349.8	349.0	343.5	338.7	333.6	329.2
5°	418.9	419.7	418.6	416.2	413.0	409.9	403.1	398.0	391.3	381.4	372.3
7.5°	454.9	454.1	452.1	451.4	449.4	445.8	441.1	435.5	427.6	417.8	407.1
10°	497.6	490.9	488.9	485.7	479.4	472.3	464.0	456.5	449.8	440.7	429.2
12.5°	566.4	565.2	557.3	551.4	542.7	526.8	512.6	496.0	476.3	460.4	445.4
15°	604.3	605.1	601.5	596.8	591.3	578.2	564.0	544.6	521.3	493.6	469.1
17.5°	611.0	612.2	610.2	608.3	606.7	599.2	590.5	576.6	555.3	529.6	493.3
20°	605.5	607.9	608.3	610.6	613.8	610.6	603.5	594.0	576.3	549.4	514.6
22.5°	593.2	597.6	600.8	609.1	617.4	617.4	613.0	605.5	588.1	561.6	526.1
25°	592.5	593.2	594.4	607.9	620.9	623.7	619.7	611.8	592.9	564.4	525.7
27.5°	612.2	607.1	599.2	612.6	628.0	630.4	624.9	614.2	591.7	558.1	512.2
30°	652.5	641.1	624.5	634.4	645.0	642.3	631.2	614.2	583.8	541.9	486.9
32.5°	667.9	661.6	655.7	666.4	668.3	656.9	637.1	611.8	571.1	518.9	445.4
35°	679.4	679.8	677.4	679.4	669.9	653.7	632.0	598.8	547.4	477.8	390.5
37.5°	683.4	684.1	679.0	671.9	657.7	639.1	613.0	575.1	507.9	421.3	307.5
40°	671.1	668.7	660.4	650.6	635.1	616.2	587.7	531.2	449.0	336.3	239.9
42.5°	649.4	645.4	635.5	623.7	607.5	583.4	537.9	469.5	364.8	262.4	168.0
45°	605.9	603.1	590.9	582.2	562.8	531.6	473.1	386.9	282.2	189.7	97.2
47.5°	470.7	471.1	480.6	485.0	478.2	453.3	384.6	294.1	205.9	113.0	32.8
50°	421.3	419.3	409.9	396.8	375.1	337.9	282.2	207.9	121.7	36.8	4.7
52.5°	319.7	319.7	315.0	308.3	285.4	249.4	190.9	115.0	42.7	6.3	1.2
55°	137.9	130.8	134.8	142.3	136.4	118.6	89.3	34.4	7.5	1.2	1.2
57.5°	2.0	4.7	7.1	11.5	15.4	18.6	9.9	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°	272.7	272.7	272.7	272.7	272.7	272.7	272.7	272.7
2.5°	322.9	316.2	305.1	271.5	236.7	204.7	181.8	173.1
5°	362.0	349.8	331.2	262.4	193.3	134.8	101.6	88.5
7.5°	392.9	377.1	350.2	246.6	141.9	71.9	43.1	34.0
10°	413.4	396.0	360.8	223.3	94.1	33.6	16.2	13.4
12.5°	428.4	406.7	364.8	193.3	55.3	15.4	8.7	7.9
15°	439.5	411.4	360.1	156.5	30.4	9.1	7.1	7.1
17.5°	454.9	413.8	348.6	115.4	17.4	6.7	6.7	6.7
20°	466.8	413.8	326.9	78.7	10.7	5.9	5.9	5.9
22.5°	472.7	407.5	300.4	49.8	7.5	5.5	5.9	5.9
25°	466.8	392.1	266.4	30.4	5.9	5.1	5.5	5.9
27.5°	445.0	361.2	220.9	19.4	4.7	5.1	5.5	5.9
30°	408.7	316.6	169.6	12.6	4.3	5.1	5.5	5.9
32.5°	357.3	250.2	109.9	8.3	4.0	5.1	5.5	5.9
35°	279.0	177.1	66.4	5.1	4.0	5.1	5.9	6.3
37.5°	209.1	118.2	36.0	3.2	4.0	5.1	5.9	6.3
40°	145.1	68.8	15.4	2.8	4.0	5.5	6.3	6.3
42.5°	84.2	27.3	4.0	2.4	4.0	5.5	6.3	6.7
45°	30.8	5.5	1.2	2.4	4.3	5.5	6.3	7.1
47.5°	4.3	1.2	1.2	2.4	4.3	5.5	6.7	7.1
50°	1.2	1.2	1.2	2.4	4.3	5.9	7.1	7.5
52.5°	1.2	1.2	1.2	2.4	4.3	5.9	7.1	7.5
55°	1.2	1.2	1.2	2.4	4.3	5.9	7.1	7.5
57.5°	1.2	1.2	1.2	2.4	4.3	5.9	7.1	7.5
60°	1.2	1.2	1.2	2.4	4.0	5.9	7.1	7.5
62.5°	1.2	1.2	1.2	2.4	4.0	5.5	6.7	7.1
65°	1.2	1.2	1.2	2.4	3.6	5.1	6.7	6.7
67.5°	1.2	1.2	1.2	2.0	3.6	5.1	6.3	6.7
70°	1.2	1.2	1.2	2.0	3.2	4.7	5.9	6.3
72.5°	1.2	1.2	1.2	1.6	2.8	4.3	5.5	5.9
75°	0.8	1.2	1.2	1.6	2.8	4.0	5.1	5.5
77.5°	0.8	1.2	1.2	1.2	2.4	3.2	4.3	4.7
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)