

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: P1325347

Luminaire Tested: LDSQA3D05R55W2N902750DE010 3LSQCA30R 1MMS_4000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325347
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_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 4000K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

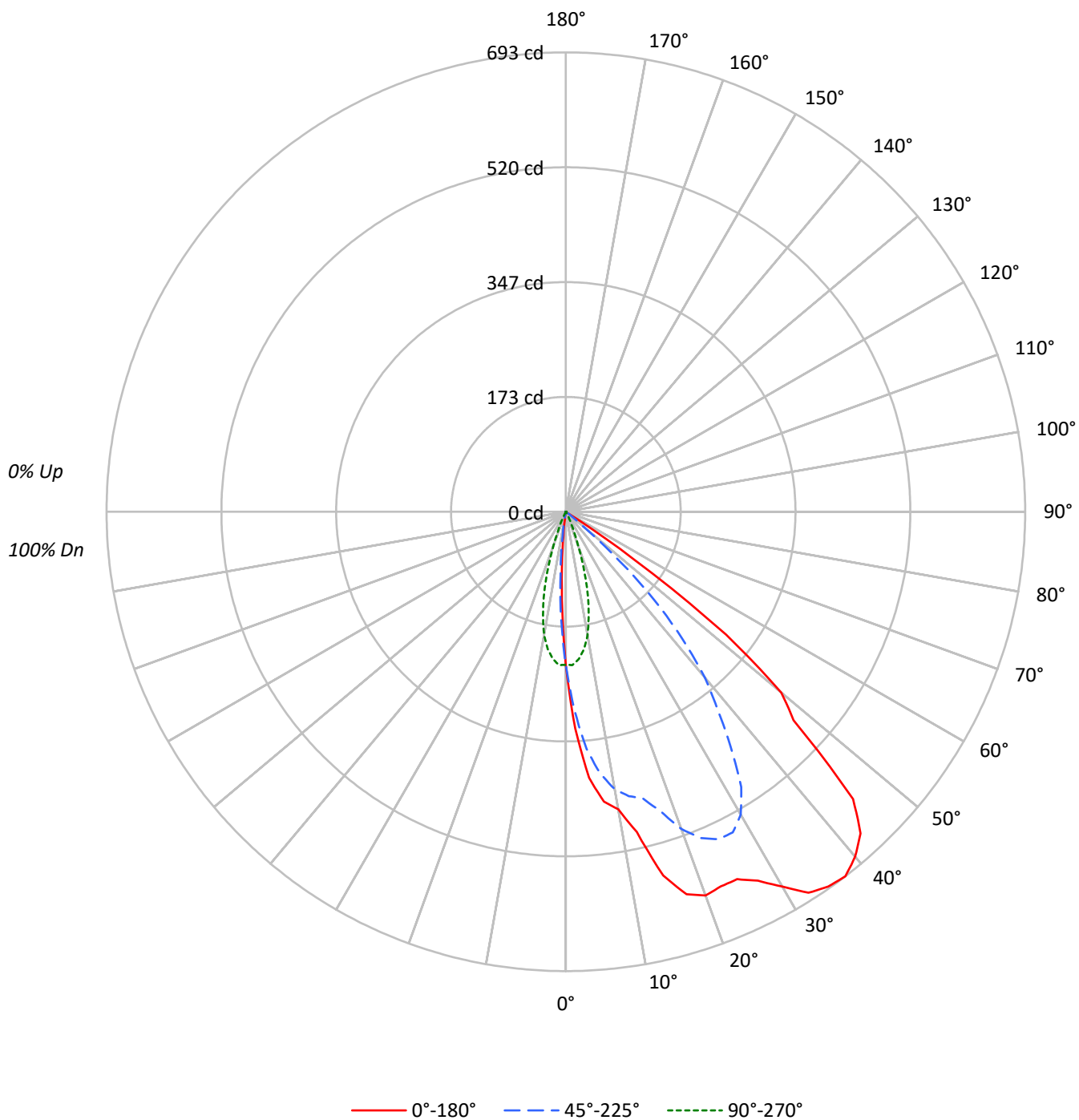
Lumens per Lamp: N/A
Luminaire Lumens: 427.0 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	91	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°	39732	39732	39732	39732	39732
5°	69654	62081	38570	16026	9232
10°	79710	74306	32982	1749	630
15°	101309	79771	22608	357	214
20°	112898	93324	9934	0	0
25°	116201	103546	2812	0	0
30°	129839	104941	398	0	0
35°	145111	91120	0	0	0
40°	152653	73337	0	0	0
45°	149229	46325	0	0	0
50°	113629	9458	0	0	0
55°	37232	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: 149229 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.1	4.9
10°-20°	61.8	14.5
20°-30°	100.5	23.5
30°-40°	119.4	28.0
40°-50°	97.6	22.9
50°-60°	25.9	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°	183.3	42.9
0°-40°	302.7	70.9
0°-60°	426.3	99.8
0°-90°	427.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	427.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	231	231	231	231	231	
5°	403	359	223	93	53	40
15°	568	447	127	2	1	159
25°	612	545	15	0	0	288
35°	690	433	0	0	0	429
45°	613	190	0	0	0	440
55°	124	0	0	0	0	139
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	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	67.5°
0°	230.7	230.7	230.7	230.7	230.7	230.7	230.7	230.7	230.7	230.7	230.7
2.5°	327.4	325.0	325.4	324.2	325.4	320.2	314.6	309.4	305.4	299.8	265.6
5°	402.9	398.9	397.7	396.1	394.5	388.0	382.8	376.4	368.8	359.1	296.5
7.5°	441.0	437.8	436.2	437.0	433.4	431.0	424.1	416.9	408.9	398.5	319.8
10°	455.8	452.6	452.2	451.8	451.4	449.8	446.6	440.2	433.0	424.9	333.1
12.5°	494.8	487.5	482.7	477.1	470.3	461.5	454.2	448.6	445.8	439.4	339.1
15°	568.2	561.4	556.2	548.9	536.1	517.2	500.0	477.9	458.7	447.4	336.7
17.5°	605.1	601.9	597.5	592.7	583.9	570.2	552.6	529.3	504.8	473.1	325.0
20°	616.0	614.3	611.1	609.1	603.1	593.5	581.4	563.4	540.5	509.2	307.0
22.5°	611.5	612.7	614.3	619.6	620.4	613.5	602.3	585.1	561.8	532.9	279.3
25°	611.5	610.7	610.7	621.6	628.4	625.2	617.2	601.5	577.8	544.9	245.2
27.5°	627.2	622.4	612.3	623.6	634.8	633.6	626.4	607.9	581.4	545.3	203.4
30°	652.9	642.4	626.0	636.4	646.9	642.4	630.8	607.1	573.4	527.7	152.5
32.5°	681.4	676.5	668.1	674.9	673.3	655.7	634.8	601.9	557.0	492.4	102.7
35°	690.2	691.0	685.4	684.2	674.9	656.9	634.8	587.1	522.5	433.4	61.0
37.5°	693.0	693.4	684.6	673.3	659.7	638.4	611.9	556.6	458.7	376.4	32.5
40°	679.0	678.6	664.1	650.5	635.2	614.3	575.8	492.4	398.1	326.2	11.6
42.5°	658.1	652.9	639.2	622.4	603.9	577.8	517.6	415.7	345.9	261.2	0.8
45°	612.7	607.9	597.1	579.0	558.6	521.7	426.6	357.1	281.3	190.2	0.0
47.5°	465.9	463.5	474.7	477.1	476.7	434.6	355.9	291.3	206.7	110.8	0.0
50°	424.1	420.9	409.7	395.3	369.6	334.3	285.3	215.9	121.2	35.3	0.0
52.5°	304.6	315.0	317.4	306.6	282.5	247.6	196.6	124.4	42.1	0.0	0.0
55°	124.0	117.6	122.4	128.4	133.2	122.4	90.7	44.1	0.4	0.0	0.0
57.5°	0.0	0.4	2.4	5.6	9.2	11.6	12.4	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°	230.7	230.7	230.7	230.7	230.7
2.5°	231.5	195.8	161.3	142.5	133.2
5°	223.1	149.7	92.7	64.2	53.4
7.5°	209.1	102.7	36.9	15.2	10.8
10°	188.6	59.0	10.0	4.0	3.6
12.5°	159.3	26.9	3.6	2.8	2.8
15°	126.8	9.2	2.0	1.6	1.2
17.5°	89.1	2.4	0.8	0.0	0.0
20°	54.2	0.4	0.0	0.0	0.0
22.5°	30.1	0.0	0.0	0.0	0.0
25°	14.8	0.0	0.0	0.0	0.0
27.5°	6.4	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)