

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: P1325395

Luminaire Tested: LDSQA3D05R55W2N902765DE010 3LSQCA30R 1MMS_6500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325395
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: LDSQA3D05R55W2N902765DE010 3LSQCA30R 1MMS_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 6500K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

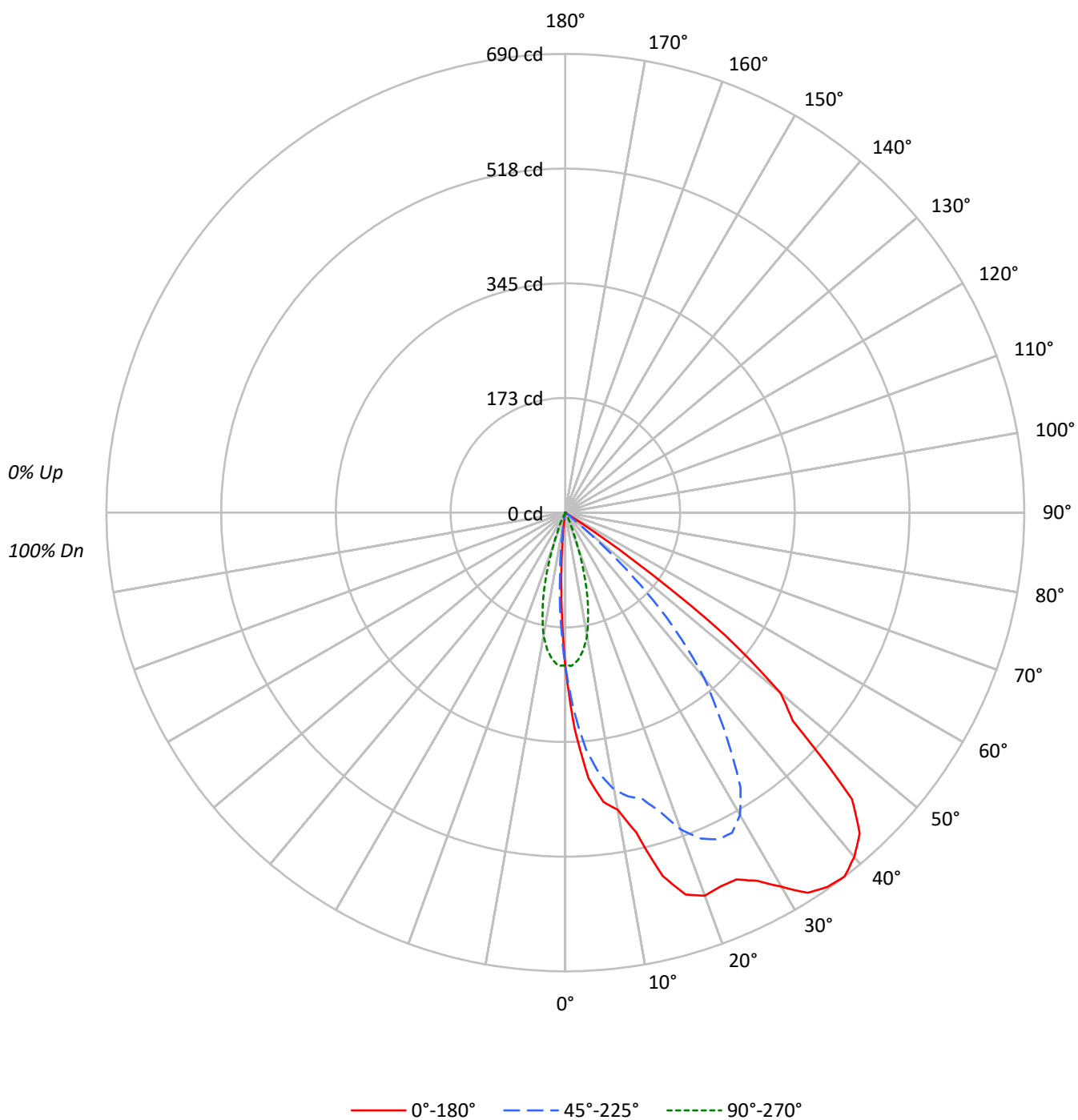
Lumens per Lamp: N/A
Luminaire Lumens: 425.0 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	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°	39560	39560	39560	39560	39560
5°	69325	61805	38397	15957	9180
10°	79343	73974	32825	1749	630
15°	100828	79396	22501	357	214
20°	112366	92884	9879	0	0
25°	115669	103070	2812	0	0
30°	129223	104444	398	0	0
35°	144438	90679	0	0	0
40°	151934	72999	0	0	0
45°	148547	46106	0	0	0
50°	113120	9404	0	0	0
55°	37052	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: 148547 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	4.9
10°-20°	61.5	14.5
20°-30°	100.0	23.5
30°-40°	118.8	28.0
40°-50°	97.2	22.9
50°-60°	25.8	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°	182.5	42.9
0°-40°	301.3	70.9
0°-60°	424.3	99.8
0°-90°	425.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	425.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	230	230	230	230	230	
5°	401	358	222	92	53	39
15°	566	445	126	2	1	158
25°	609	542	15	0	0	287
35°	687	431	0	0	0	427
45°	610	189	0	0	0	438
55°	123	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°	229.7	229.7	229.7	229.7	229.7	229.7	229.7	229.7	229.7	229.7	229.7
2.5°	325.9	323.5	323.9	322.7	323.9	318.7	313.1	307.9	303.9	298.3	264.4
5°	401.0	397.0	395.8	394.2	392.6	386.2	381.0	374.6	367.0	357.5	295.2
7.5°	438.9	435.7	434.1	434.9	431.3	428.9	422.2	415.0	407.0	396.6	318.3
10°	453.7	450.5	450.1	449.7	449.3	447.7	444.5	438.1	430.9	423.0	331.5
12.5°	492.5	485.3	480.5	474.9	468.1	459.3	452.1	446.5	443.7	437.3	337.5
15°	565.5	558.8	553.6	546.4	533.6	514.8	497.6	475.7	456.5	445.3	335.1
17.5°	602.3	599.1	594.7	589.9	581.1	567.5	550.0	526.8	502.4	470.9	323.5
20°	613.1	611.5	608.3	606.3	600.3	590.7	578.7	560.7	538.0	506.8	305.5
22.5°	608.7	609.9	611.5	616.7	617.5	610.7	599.5	582.3	559.2	530.4	278.0
25°	608.7	607.9	607.9	618.7	625.5	622.3	614.3	598.7	575.1	542.4	244.0
27.5°	624.3	619.5	609.5	620.7	631.8	630.6	623.5	605.1	578.7	542.8	202.5
30°	649.8	639.4	623.1	633.4	643.8	639.4	627.8	604.3	570.7	525.2	151.8
32.5°	678.2	673.4	665.0	671.8	670.2	652.6	631.8	599.1	554.4	490.1	102.2
35°	687.0	687.8	682.2	681.0	671.8	653.8	631.8	584.3	520.0	431.3	60.7
37.5°	689.8	690.2	681.4	670.2	656.6	635.4	609.1	554.0	456.5	374.6	32.4
40°	675.8	675.4	661.0	647.4	632.2	611.5	573.1	490.1	396.2	324.7	11.6
42.5°	655.0	649.8	636.2	619.5	601.1	575.1	515.2	413.8	344.3	260.0	0.8
45°	609.9	605.1	594.3	576.3	556.0	519.2	424.6	355.5	280.0	189.3	0.0
47.5°	463.7	461.3	472.5	474.9	474.5	432.5	354.3	290.0	205.7	110.2	0.0
50°	422.2	419.0	407.8	393.4	367.8	332.7	284.0	214.9	120.6	35.1	0.0
52.5°	303.1	313.5	315.9	305.1	281.2	246.4	195.7	123.8	41.9	0.0	0.0
55°	123.4	117.0	121.8	127.8	132.6	121.8	90.3	43.9	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°	229.7	229.7	229.7	229.7	229.7
2.5°	230.5	194.9	160.6	141.8	132.6
5°	222.1	149.0	92.3	63.9	53.1
7.5°	208.1	102.2	36.7	15.2	10.8
10°	187.7	58.7	10.0	4.0	3.6
12.5°	158.6	26.8	3.6	2.8	2.8
15°	126.2	9.2	2.0	1.6	1.2
17.5°	88.7	2.4	0.8	0.0	0.0
20°	53.9	0.4	0.0	0.0	0.0
22.5°	30.0	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)