

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: P1325344

Luminaire Tested: LDSQA3D05R55W2N902750DE010 3LSQCA30R 1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325344
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R55 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

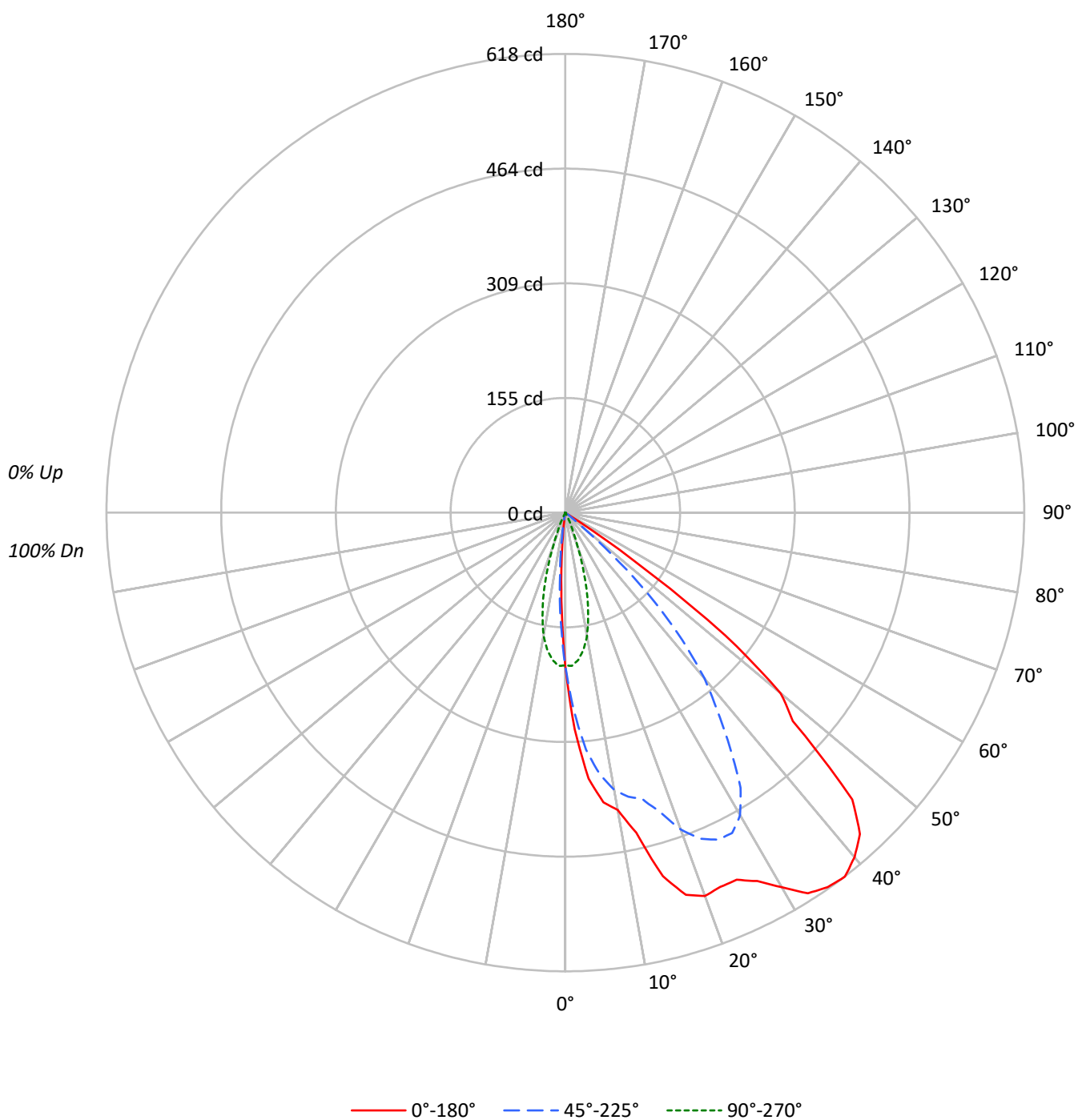
Lumens per Lamp: N/A
Luminaire Lumens: 381.1 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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°	35461	35461	35461	35461	35461
5°	62151	55408	34421	14297	8229
10°	71123	66314	29432	1574	560
15°	90397	71177	20166	321	196
20°	100728	83280	8852	0	0
25°	103698	92391	2508	0	0
30°	115839	93626	358	0	0
35°	129469	81302	0	0	0
40°	136196	65445	0	0	0
45°	133154	41332	0	0	0
50°	101412	8440	0	0	0
55°	33209	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	694	397	0
85°	0	790	790	790	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 133154 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.8	4.9
10°-20°	55.1	14.5
20°-30°	89.7	23.5
30°-40°	106.5	28.0
40°-50°	87.1	22.9
50°-60°	23.1	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°	163.6	42.9
0°-40°	270.1	70.9
0°-60°	380.3	99.8
0°-90°	381.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	381.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	206	206	206	206	206	
5°	360	320	199	83	48	35
15°	507	399	113	2	1	142
25°	546	486	13	0	0	257
35°	616	387	0	0	0	383
45°	547	170	0	0	0	392
55°	111	0	0	0	0	124
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°	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9	205.9
2.5°	292.2	290.0	290.4	289.3	290.4	285.7	280.7	276.1	272.5	267.5	237.0
5°	359.5	355.9	354.8	353.4	352.0	346.2	341.6	335.8	329.0	320.5	264.6
7.5°	393.5	390.6	389.2	389.9	386.7	384.5	378.5	372.0	364.8	355.5	285.4
10°	406.7	403.9	403.5	403.2	402.8	401.4	398.5	392.8	386.3	379.2	297.2
12.5°	441.5	435.0	430.7	425.7	419.6	411.8	405.3	400.3	397.8	392.1	302.5
15°	507.0	500.9	496.3	489.8	478.3	461.5	446.1	426.4	409.2	399.2	300.4
17.5°	539.9	537.1	533.1	528.8	521.0	508.8	493.0	472.3	450.4	422.1	290.0
20°	549.6	548.2	545.3	543.5	538.1	529.5	518.8	502.7	482.3	454.4	273.9
22.5°	545.7	546.7	548.2	552.8	553.5	547.5	537.4	522.0	501.3	475.5	249.2
25°	545.7	544.9	544.9	554.6	560.7	557.8	550.7	536.7	515.6	486.2	218.8
27.5°	559.6	555.3	546.4	556.4	566.4	565.4	558.9	542.4	518.8	486.6	181.5
30°	582.5	573.2	558.6	567.9	577.2	573.2	562.8	541.7	511.6	470.8	136.1
32.5°	608.0	603.7	596.1	602.2	600.8	585.0	566.4	537.1	497.0	439.3	91.7
35°	615.8	616.6	611.5	610.5	602.2	586.1	566.4	523.8	466.2	386.7	54.4
37.5°	618.3	618.7	610.8	600.8	588.6	569.6	546.0	496.6	409.2	335.8	29.0
40°	605.8	605.5	592.6	580.4	566.8	548.2	513.8	439.3	355.2	291.1	10.4
42.5°	587.2	582.5	570.4	555.3	538.9	515.6	461.9	370.9	308.6	233.1	0.7
45°	546.7	542.4	532.8	516.7	498.4	465.5	380.6	318.7	251.0	169.7	0.0
47.5°	415.7	413.5	423.6	425.7	425.4	387.8	317.6	259.9	184.4	98.8	0.0
50°	378.5	375.6	365.6	352.7	329.8	298.3	254.6	192.6	108.1	31.5	0.0
52.5°	271.8	281.1	283.2	273.5	252.1	220.9	175.4	111.0	37.6	0.0	0.0
55°	110.6	104.9	109.2	114.6	118.9	109.2	80.9	39.4	0.4	0.0	0.0
57.5°	0.0	0.4	2.1	5.0	8.2	10.4	11.1	0.7	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	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.7
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°	205.9	205.9	205.9	205.9	205.9
2.5°	206.6	174.7	143.9	127.1	118.9
5°	199.1	133.6	82.7	57.3	47.6
7.5°	186.5	91.7	32.9	13.6	9.7
10°	168.3	52.6	9.0	3.6	3.2
12.5°	142.1	24.0	3.2	2.5	2.5
15°	113.1	8.2	1.8	1.4	1.1
17.5°	79.5	2.1	0.7	0.0	0.0
20°	48.3	0.4	0.0	0.0	0.0
22.5°	26.9	0.0	0.0	0.0	0.0
25°	13.2	0.0	0.0	0.0	0.0
27.5°	5.7	0.0	0.0	0.0	0.0
30°	1.8	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°	0.7	0.4	0.4	0.0	0.0
80°	0.7	0.4	0.4	0.0	0.0
82.5°	0.7	0.4	0.4	0.0	0.0
85°	0.4	0.4	0.4	0.0	0.0
87.5°	0.7	0.4	0.4	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)