

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: P1325587

Luminaire Tested: LDSQA3D05R70W2N902750DE010 3LSQCA30R 1MMS\_3000K

Issue Date: 1/29/2026

**Test Information**

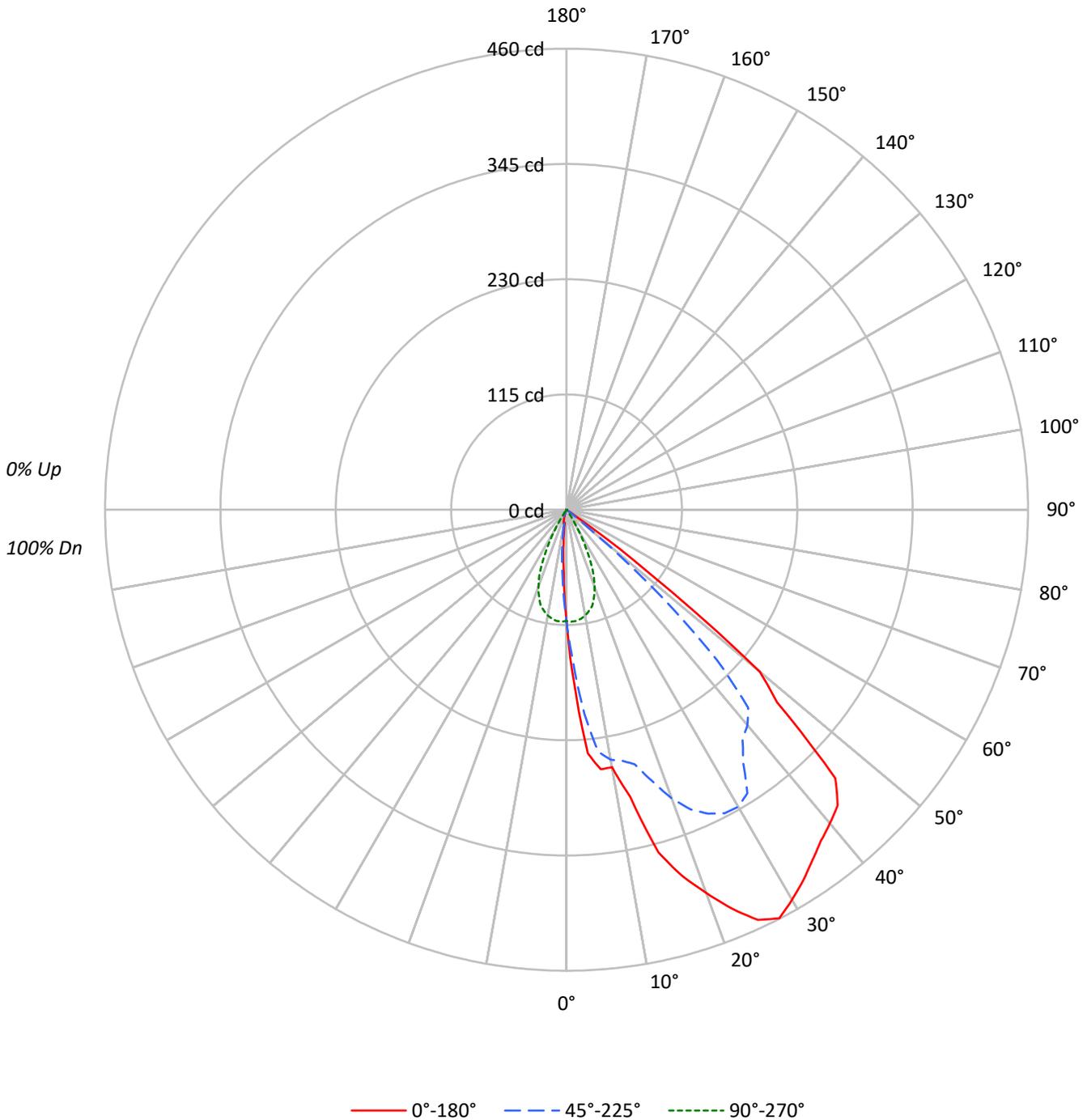
Test Method: LM-79-2019  
Report Number: P1325587  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D05R70W2N902750DE010 3LSQCA30R 1MMS\_3000K  
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
3LSQCA30R 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 299.0 lumens  
Efficiency: N/A  
Efficacy: 50.7 lumens/watt  
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48  
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	103	110	107	104	102	103	101	99	99	97	96	96	94	93	91
2	105	99	94	90	103	98	93	89	94	91	87	91	88	85	88	86	84	82
3	98	90	84	79	96	89	83	79	86	81	77	84	80	76	81	78	75	73
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	66
5	85	75	68	63	84	74	67	62	72	66	62	70	65	61	69	64	61	59
6	80	69	61	56	78	68	61	56	66	60	55	65	59	55	63	58	55	53
7	74	63	56	50	73	62	55	50	61	55	50	59	54	50	58	53	49	48
8	69	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	53	46	41	64	53	46	41	52	45	41	51	45	41	50	45	41	39
10	61	49	42	38	60	49	42	38	48	42	37	47	41	37	46	41	37	36

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	19117	19117	19117	19117	19117
5°	42166	35371	19259	8748	5757
10°	45609	44279	18747	2431	2501
15°	63117	46875	17687	2478	1801
20°	74538	56137	15010	1466	550
25°	85797	63583	10584	247	0
30°	89370	68052	4872	0	0
35°	89775	64482	273	0	0
40°	91817	63085	0	0	0
45°	92285	51683	0	0	0
50°	67385	10744	0	0	0
55°	3813	0	0	0	0
60°	0	138	138	0	0
65°	0	0	163	0	0
70°	0	201	201	0	0
75°	0	266	266	0	0
80°	0	397	397	397	0
85°	0	790	790	790	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 5°  
 Vertical Angle: 45°  
 Luminance: 94038 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.1	4.1
10°-20°	40.5	13.6
20°-30°	72.9	24.4
30°-40°	88.6	29.6
40°-50°	68.4	22.9
50°-60°	15.9	5.3
60°-70°	0.1	0.0
70°-80°	0.2	0.1
80°-90°	0.2	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°	125.5	42.0
0°-40°	214.1	71.6
0°-60°	298.4	99.8
0°-90°	299.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	299.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	111	111	111	111	111	
5°	244	205	111	51	33	23
15°	354	263	99	14	10	99
25°	452	335	56	1	0	205
35°	427	307	1	0	0	268
45°	379	212	0	0	0	268
55°	13	0	0	0	0	52
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°	50°
0°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
2.5°	173.0	173.0	173.8	173.4	169.6	167.9	162.4	159.5	158.6	151.9	149.4
5°	243.9	244.3	242.2	241.8	237.6	234.6	230.0	222.8	215.6	204.6	194.9
7.5°	261.2	260.8	260.3	260.3	259.5	257.8	255.7	253.6	250.6	243.9	236.3
10°	260.8	260.8	260.3	260.3	259.9	260.3	259.9	258.6	257.4	253.2	248.9
12.5°	293.7	291.1	287.8	282.7	274.3	267.9	260.8	258.6	257.8	256.5	254.0
15°	354.0	351.9	344.7	335.9	327.4	313.1	301.7	286.1	273.8	262.9	257.4
17.5°	383.1	384.4	376.4	370.9	362.9	351.5	338.0	321.9	304.6	284.0	267.5
20°	406.7	408.0	401.3	395.8	386.5	374.7	362.9	345.6	329.1	306.3	284.8
22.5°	430.8	431.6	425.3	417.3	406.7	394.5	379.3	361.6	343.9	323.6	300.8
25°	451.5	450.6	440.1	428.7	418.6	405.5	390.7	373.4	356.5	334.6	313.1
27.5°	459.5	459.1	447.3	436.3	424.5	406.7	393.7	378.5	360.8	341.3	319.4
30°	449.4	456.1	448.5	440.5	426.2	408.4	395.8	377.6	361.2	342.2	317.3
32.5°	438.8	447.3	444.7	440.9	424.0	410.1	393.7	376.8	357.4	335.4	297.5
35°	427.0	435.9	436.3	432.1	416.9	402.9	387.8	370.0	348.1	306.7	278.9
37.5°	416.5	424.9	427.4	418.6	406.7	388.2	374.3	355.7	316.0	288.2	273.8
40°	408.4	414.8	418.6	404.6	392.8	374.7	358.6	326.2	290.3	280.6	260.3
42.5°	400.0	405.9	407.6	392.4	374.3	357.0	333.8	292.8	282.3	267.9	213.5
45°	378.9	386.1	381.9	367.1	353.6	335.4	300.8	283.1	271.7	212.2	131.2
47.5°	284.4	292.4	303.8	308.0	312.7	299.6	280.6	274.3	223.2	128.7	40.9
50°	251.5	250.2	250.2	252.3	256.1	260.3	265.8	231.2	134.2	40.1	0.0
52.5°	102.5	107.6	132.5	154.9	180.6	206.3	214.3	141.8	52.3	0.8	0.0
55°	12.7	12.7	17.7	30.4	50.2	81.0	91.1	45.6	3.8	0.0	0.0
57.5°	0.0	0.0	0.0	0.4	3.4	9.3	6.3	1.7	0.4	0.4	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.4	0.4	0.4	0.4
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	111.0	111.0	111.0	111.0	111.0	111.0	111.0	111.0
2.5°	145.1	140.1	132.9	111.8	93.7	77.6	68.4	63.7
5°	185.7	173.4	157.0	111.4	75.9	50.6	38.0	33.3
7.5°	224.5	210.5	182.7	109.7	58.2	29.5	16.5	13.1
10°	241.3	231.2	206.3	107.2	42.2	13.9	13.9	14.3
12.5°	248.1	240.5	220.3	103.4	27.8	13.5	14.3	13.5
15°	252.7	245.6	227.0	99.2	16.0	13.9	11.4	10.1
17.5°	255.3	246.8	229.1	91.1	10.5	11.8	7.2	5.9
20°	263.3	249.8	230.8	81.9	10.1	8.0	3.8	3.0
22.5°	276.8	255.7	231.2	70.5	8.0	4.6	1.3	0.0
25°	289.0	263.7	232.5	55.7	2.5	1.3	0.0	0.0
27.5°	294.9	266.2	232.1	39.2	0.0	0.0	0.0	0.0
30°	287.8	259.9	228.3	24.5	0.0	0.0	0.0	0.0
32.5°	270.9	255.3	216.5	10.5	0.0	0.0	0.0	0.0
35°	265.4	245.1	189.4	1.3	0.0	0.0	0.0	0.0
37.5°	253.2	216.0	139.2	0.0	0.0	0.0	0.0	0.0
40°	217.7	156.1	66.2	0.0	0.0	0.0	0.0	0.0
42.5°	143.9	66.7	3.8	0.0	0.0	0.0	0.0	0.0
45°	50.6	4.2	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.4	0.4	0.0	0.0	0.0	0.0
67.5°	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
70°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
72.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
75°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
77.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0
87.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)