

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: P1325586

Luminaire Tested: LDSQA3D05R70W2N902750DE010 3LSQCA30R 1MMS_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325586
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_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
3LSQCA30R 1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

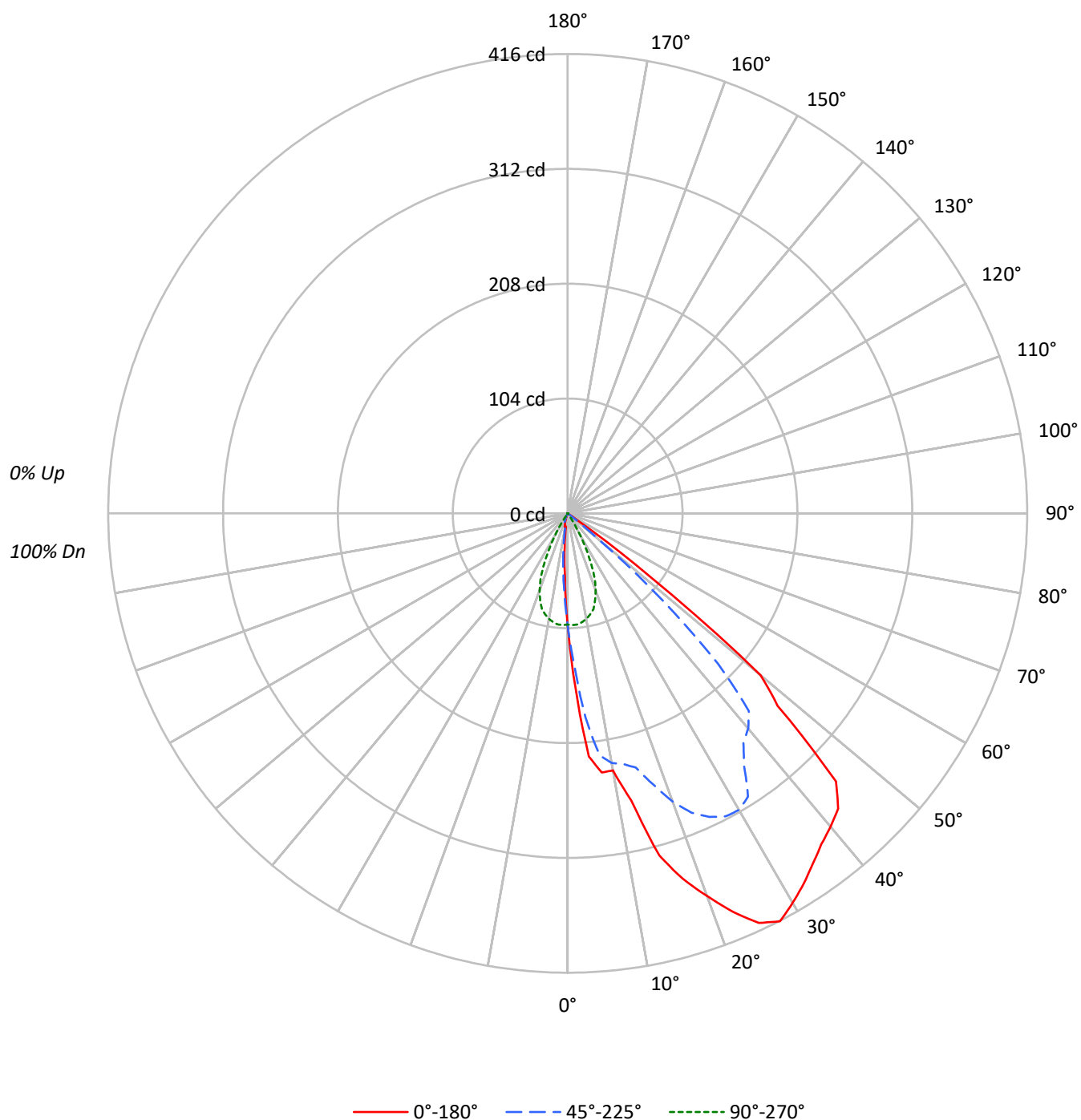
Lumens per Lamp: N/A
Luminaire Lumens: 271.0 lumens
Efficiency: N/A
Efficacy: 45.9 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	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	90	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°	17326	17326	17326	17326	17326
5°	38207	32069	17461	7935	5221
10°	41324	40135	16981	2203	2273
15°	57216	42488	16029	2247	1640
20°	67574	50877	13599	1338	495
25°	77759	57635	9596	209	0
30°	80998	61668	4415	0	0
35°	81365	58448	231	0	0
40°	83229	57172	0	0	0
45°	83638	46861	0	0	0
50°	61061	9726	0	0	0
55°	3453	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: 85222 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	4.1
10°-20°	36.7	13.6
20°-30°	66.0	24.4
30°-40°	80.3	29.6
40°-50°	62.0	22.9
50°-60°	14.4	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°	113.8	42.0
0°-40°	194.1	71.6
0°-60°	270.5	99.8
0°-90°	271.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	271.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	101	101	101	101	101	
5°	221	186	101	46	30	21
15°	321	238	90	13	9	90
25°	409	303	50	1	0	186
35°	387	278	1	0	0	243
45°	343	192	0	0	0	243
55°	12	0	0	0	0	47
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°	100.6	100.6	100.6	100.6	100.6	100.6	100.6	100.6	100.6	100.6	100.6
2.5°	156.8	156.8	157.6	157.2	153.7	152.2	147.2	144.6	143.8	137.7	135.4
5°	221.0	221.4	219.5	219.1	215.3	212.6	208.4	201.9	195.4	185.5	176.7
7.5°	236.7	236.3	236.0	236.0	235.2	233.7	231.7	229.8	227.2	221.0	214.2
10°	236.3	236.3	236.0	236.0	235.6	236.0	235.6	234.4	233.3	229.5	225.6
12.5°	266.2	263.9	260.8	256.2	248.6	242.8	236.3	234.4	233.7	232.5	230.2
15°	320.9	318.9	312.4	304.4	296.8	283.8	273.4	259.3	248.2	238.3	233.3
17.5°	347.2	348.4	341.1	336.2	328.9	318.6	306.3	291.8	276.1	257.4	242.5
20°	368.7	369.8	363.7	358.7	350.3	339.6	328.9	313.2	298.3	277.6	258.1
22.5°	390.5	391.2	385.5	378.2	368.7	357.6	343.8	327.7	311.7	293.3	272.7
25°	409.2	408.4	398.9	388.5	379.4	367.5	354.1	338.4	323.1	303.3	283.8
27.5°	416.5	416.1	405.4	395.4	384.7	368.7	356.8	343.0	327.0	309.4	289.5
30°	407.3	413.4	406.5	399.3	386.2	370.2	358.7	342.3	327.4	310.1	287.6
32.5°	397.7	405.4	403.1	399.6	384.3	371.7	356.8	341.5	323.9	304.0	269.6
35°	387.0	395.0	395.4	391.6	377.8	365.2	351.4	335.4	315.5	278.0	252.8
37.5°	377.5	385.1	387.4	379.4	368.7	351.8	339.2	322.4	286.4	261.2	248.2
40°	370.2	375.9	379.4	366.7	356.0	339.6	325.1	295.6	263.1	254.3	236.0
42.5°	362.5	367.9	369.4	355.7	339.2	323.5	302.5	265.4	255.8	242.8	193.5
45°	343.4	349.9	346.1	332.7	320.5	304.0	272.7	256.6	246.3	192.4	118.9
47.5°	257.8	265.0	275.3	279.2	283.4	271.5	254.3	248.6	202.3	116.6	37.1
50°	227.9	226.8	226.8	228.7	232.1	236.0	240.9	209.6	121.6	36.3	0.0
52.5°	92.9	97.5	120.1	140.3	163.7	187.0	194.3	128.5	47.4	0.8	0.0
55°	11.5	11.5	16.1	27.5	45.5	73.4	82.6	41.3	3.4	0.0	0.0
57.5°	0.0	0.0	0.0	0.4	3.1	8.4	5.7	1.5	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°	100.6	100.6	100.6	100.6	100.6	100.6	100.6	100.6
2.5°	131.6	127.0	120.5	101.3	84.9	70.4	62.0	57.7
5°	168.3	157.2	142.3	101.0	68.8	45.9	34.4	30.2
7.5°	203.4	190.8	165.6	99.4	52.8	26.8	14.9	11.9
10°	218.7	209.6	187.0	97.1	38.2	12.6	12.6	13.0
12.5°	224.9	218.0	199.6	93.7	25.2	12.2	13.0	12.2
15°	229.1	222.6	205.7	89.9	14.5	12.6	10.3	9.2
17.5°	231.4	223.7	207.7	82.6	9.6	10.7	6.5	5.4
20°	238.6	226.4	209.2	74.2	9.2	7.3	3.4	2.7
22.5°	250.9	231.7	209.6	63.9	7.3	4.2	1.1	0.0
25°	262.0	239.0	210.7	50.5	2.3	1.1	0.0	0.0
27.5°	267.3	241.3	210.3	35.6	0.0	0.0	0.0	0.0
30°	260.8	235.6	206.9	22.2	0.0	0.0	0.0	0.0
32.5°	245.5	231.4	196.2	9.6	0.0	0.0	0.0	0.0
35°	240.5	222.2	171.7	1.1	0.0	0.0	0.0	0.0
37.5°	229.5	195.8	126.2	0.0	0.0	0.0	0.0	0.0
40°	197.3	141.5	60.0	0.0	0.0	0.0	0.0	0.0
42.5°	130.4	60.4	3.4	0.0	0.0	0.0	0.0	0.0
45°	45.9	3.8	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)