

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: P1325593

Luminaire Tested: LDSQA3D05R70W2N902750DE010 3LSQCA30R 1MW_3500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325593
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R70W2N902750DE010 3LSQCA30R 1MW_3500K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 3500K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

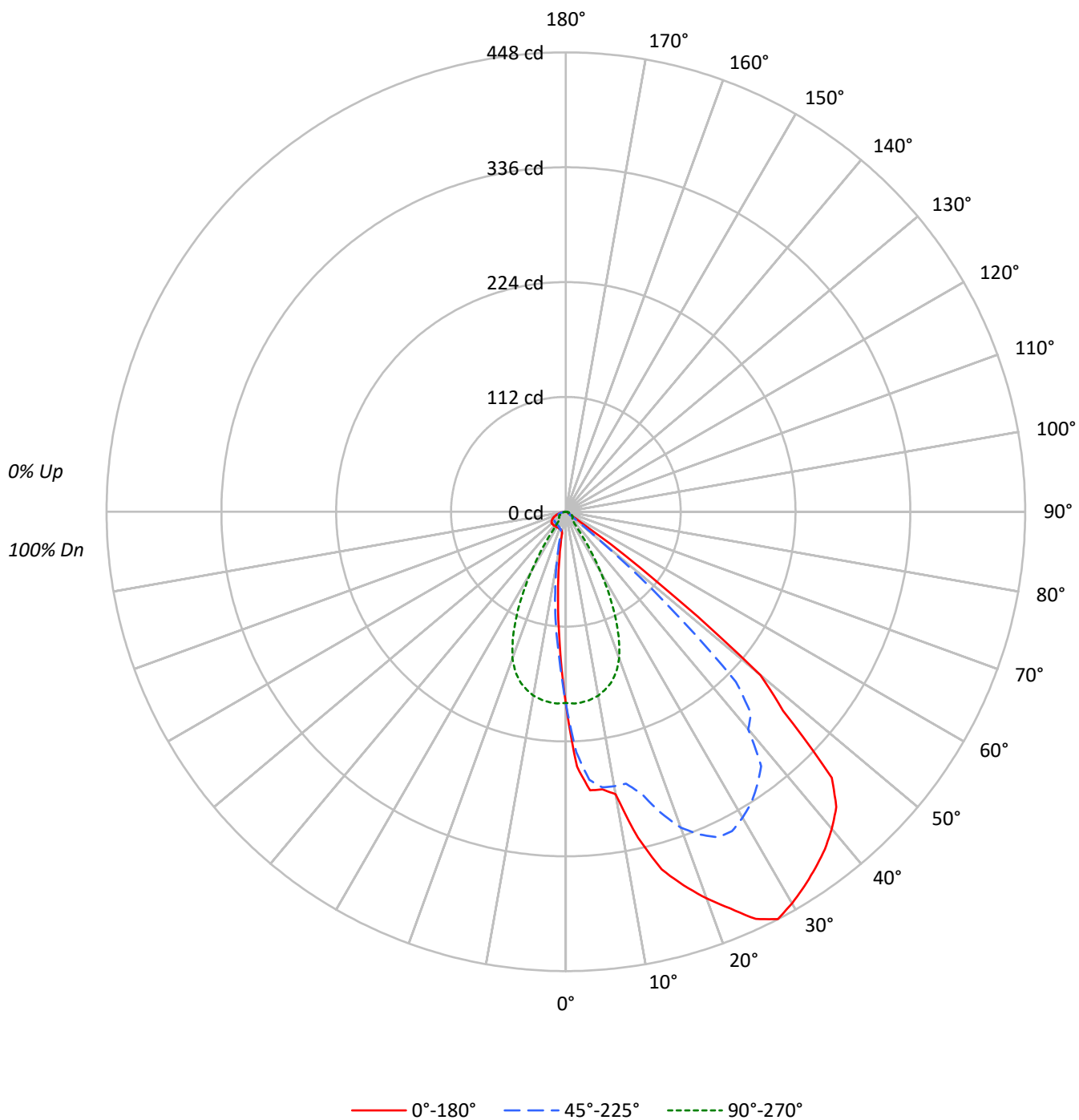
Lumens per Lamp: N/A
Luminaire Lumens: 354.0 lumens
Efficiency: N/A
Efficacy: 60.0 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90			
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80			
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	71			
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64			
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	63	59	57			
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51			
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46			
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	44	42			
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	38			
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	32102	32102	32102	32102	32102
5°	47145	45347	32225	19242	15075
10°	48896	47550	31828	9199	3725
15°	64383	50708	30649	3299	3227
20°	73548	60078	27895	3171	3244
25°	83270	66566	21910	3059	3211
30°	87700	68529	13583	3043	3440
35°	89186	68414	4478	3133	3637
40°	90760	62230	2158	3350	3979
45°	89313	57139	2241	3532	4311
50°	66393	10556	2251	3885	4742
55°	5315	1441	2402	4114	5074
60°	1102	1516	2342	4168	5270
65°	1141	1467	2282	4075	5420
70°	1007	1410	2216	3827	5237
75°	799	1331	1863	3726	5057
80°	793	1190	1984	3570	4761
85°	790	1581	2371	3162	3952

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°

Vertical Angle: 45°

Luminance: 90409 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.0	4.8
10°-20°	47.7	13.5
20°-30°	80.1	22.6
30°-40°	96.3	27.2
40°-50°	76.4	21.6
50°-60°	24.4	6.9
60°-70°	6.8	1.9
70°-80°	4.1	1.1
80°-90°	1.3	0.4
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°	144.8	40.9
0°-40°	241.1	68.1
0°-60°	341.8	96.6
0°-90°	354.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	354.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	186	186	186	186	186	
5°	273	262	186	111	87	26
15°	361	284	172	18	18	102
25°	438	350	115	16	17	200
35°	424	325	21	15	17	266
45°	367	235	9	14	18	263
55°	18	5	8	14	17	55
65°	3	4	6	10	13	3
75°	1	2	3	6	8	1
85°	0	1	1	2	2	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°	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4
2.5°	248.6	250.2	250.2	248.2	249.0	245.8	243.4	239.8	239.0	234.6	229.0
5°	272.7	271.9	271.9	270.3	271.1	269.9	268.7	267.9	265.5	262.3	259.1
7.5°	273.1	273.9	274.3	273.9	275.6	274.3	274.3	274.3	272.7	271.1	267.9
10°	279.6	278.4	277.2	274.3	272.7	271.5	271.5	271.9	272.7	271.9	269.9
12.5°	325.8	321.3	319.3	312.5	307.3	298.4	288.4	280.8	273.9	271.5	269.9
15°	361.1	360.3	356.3	349.9	343.4	333.0	321.3	309.7	297.2	284.4	275.2
17.5°	382.0	380.4	376.4	369.5	361.9	352.3	343.0	334.2	322.1	307.7	292.8
20°	401.3	397.7	392.4	384.4	376.8	367.5	357.5	349.1	339.0	327.8	310.5
22.5°	418.6	415.3	406.9	396.1	388.4	379.6	370.8	362.7	353.5	340.6	325.0
25°	438.2	431.0	417.3	403.3	394.0	386.8	380.4	374.0	364.3	350.3	331.8
27.5°	447.9	437.8	423.0	408.9	400.1	392.4	385.6	379.2	368.3	351.1	329.8
30°	441.0	435.4	425.0	414.1	406.9	399.7	391.6	382.0	364.7	344.6	325.0
32.5°	433.0	430.2	425.4	419.0	414.5	407.3	396.1	380.4	356.3	336.6	315.3
35°	424.2	423.0	421.4	418.6	415.7	408.9	394.9	372.0	347.9	325.4	304.9
37.5°	414.9	413.7	414.9	414.5	412.1	403.3	382.0	360.7	335.8	312.9	273.1
40°	403.7	402.9	404.9	406.9	404.1	392.4	369.5	343.8	321.7	276.8	263.1
42.5°	390.4	390.0	393.6	395.3	391.2	374.0	347.1	328.2	281.6	267.1	235.0
45°	366.7	367.5	369.1	371.2	368.7	349.9	325.4	290.8	270.3	234.6	133.8
47.5°	287.2	288.0	296.0	312.9	324.6	318.1	297.2	271.5	241.8	134.2	42.2
50°	247.8	247.0	247.4	251.5	260.7	269.5	263.1	249.0	144.2	39.4	5.2
52.5°	108.9	120.9	133.8	169.9	193.2	217.7	222.5	155.9	47.0	5.2	5.2
55°	17.7	18.5	23.3	34.1	61.5	92.8	112.5	52.2	4.8	4.8	4.8
57.5°	3.6	3.6	3.6	4.0	6.0	12.9	14.9	4.4	4.4	4.4	4.8
60°	3.2	3.2	3.2	3.2	3.6	3.6	3.6	4.0	4.0	4.4	4.4
62.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.6	3.6	4.0	4.0	4.4
65°	2.8	2.8	2.8	2.8	3.2	3.2	3.2	3.2	3.6	3.6	4.0
67.5°	2.4	2.4	2.4	2.4	2.8	2.8	2.8	3.2	3.2	3.2	3.6
70°	2.0	2.0	2.0	2.0	2.4	2.4	2.4	2.4	2.8	2.8	2.8
72.5°	1.6	1.6	1.6	1.6	2.0	2.0	2.0	2.0	2.4	2.4	2.4
75°	1.2	1.2	1.6	1.6	1.6	1.6	1.6	1.6	2.0	2.0	2.0
77.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.6	1.6	1.6
80°	0.8	0.8	0.8	0.8	0.8	0.8	1.2	1.2	1.2	1.2	1.2
82.5°	0.4	0.4	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	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):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	186.4	186.4	186.4	186.4	186.4	186.4	186.4	186.4
2.5°	225.3	219.7	212.1	187.2	164.3	143.4	133.0	131.8
5°	253.9	248.6	235.8	186.4	142.6	111.3	92.4	87.2
7.5°	264.7	260.3	249.0	184.8	122.1	79.9	58.6	50.6
10°	267.5	264.7	255.1	182.0	100.8	52.6	27.7	21.3
12.5°	268.7	266.7	257.5	177.5	79.5	27.3	18.9	18.9
15°	270.7	268.7	259.9	171.9	58.6	18.5	18.1	18.1
17.5°	279.6	273.1	263.1	163.5	38.6	17.7	17.7	17.7
20°	294.0	280.0	264.7	152.2	24.1	17.3	17.3	17.7
22.5°	306.1	287.2	264.3	135.4	17.7	16.5	16.9	17.3
25°	311.3	290.4	260.7	115.3	15.3	16.1	16.9	16.9
27.5°	310.5	291.6	257.5	92.4	14.5	15.7	16.5	17.3
30°	306.1	288.4	250.2	68.3	13.7	15.3	16.5	17.3
32.5°	298.4	276.0	235.8	44.2	13.3	15.3	16.5	17.3
35°	273.5	255.9	214.9	21.3	12.9	14.9	16.9	17.3
37.5°	259.1	234.6	163.9	10.4	12.5	14.9	16.9	17.3
40°	235.8	175.1	73.9	9.6	12.5	14.9	16.9	17.7
42.5°	148.2	71.9	12.1	9.2	12.1	14.9	16.9	17.7
45°	54.2	9.6	6.4	9.2	12.1	14.5	16.9	17.7
47.5°	5.6	5.6	6.0	8.8	11.6	14.5	16.9	17.7
50°	5.2	5.6	6.0	8.4	11.2	14.5	16.5	17.7
52.5°	5.2	5.6	6.0	8.4	10.8	14.1	16.5	17.7
55°	5.2	5.6	5.6	8.0	10.4	13.7	16.1	16.9
57.5°	4.8	5.2	5.6	7.6	10.0	12.9	15.7	16.5
60°	4.8	5.2	5.6	6.8	9.6	12.1	14.9	15.3
62.5°	4.4	4.8	5.2	6.4	8.8	11.2	13.7	14.5
65°	4.4	4.4	4.8	5.6	8.0	10.0	12.5	13.3
67.5°	3.6	4.0	4.0	4.8	6.8	8.8	11.2	12.1
70°	3.2	3.2	3.6	4.4	6.0	7.6	9.6	10.4
72.5°	2.8	2.8	2.8	3.6	5.2	6.8	8.4	9.2
75°	2.4	2.4	2.4	2.8	4.4	5.6	7.2	7.6
77.5°	2.0	2.0	2.0	2.4	3.6	4.8	5.6	6.4
80°	1.6	1.6	1.6	2.0	2.8	3.6	4.4	4.8
82.5°	1.2	1.2	1.2	1.6	2.0	2.4	3.2	3.2
85°	0.8	0.8	0.8	1.2	1.2	1.6	2.0	2.0
87.5°	0.4	0.4	0.4	0.8	0.8	0.8	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)