

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: P1325673

Luminaire Tested: LDSQA3D05R70W2N902765DE010 3LSQCA30R 1MW_6500K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325673
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: LDSQA3D05R70W2N902765DE010 3LSQCA30R 1MW_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 6500K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

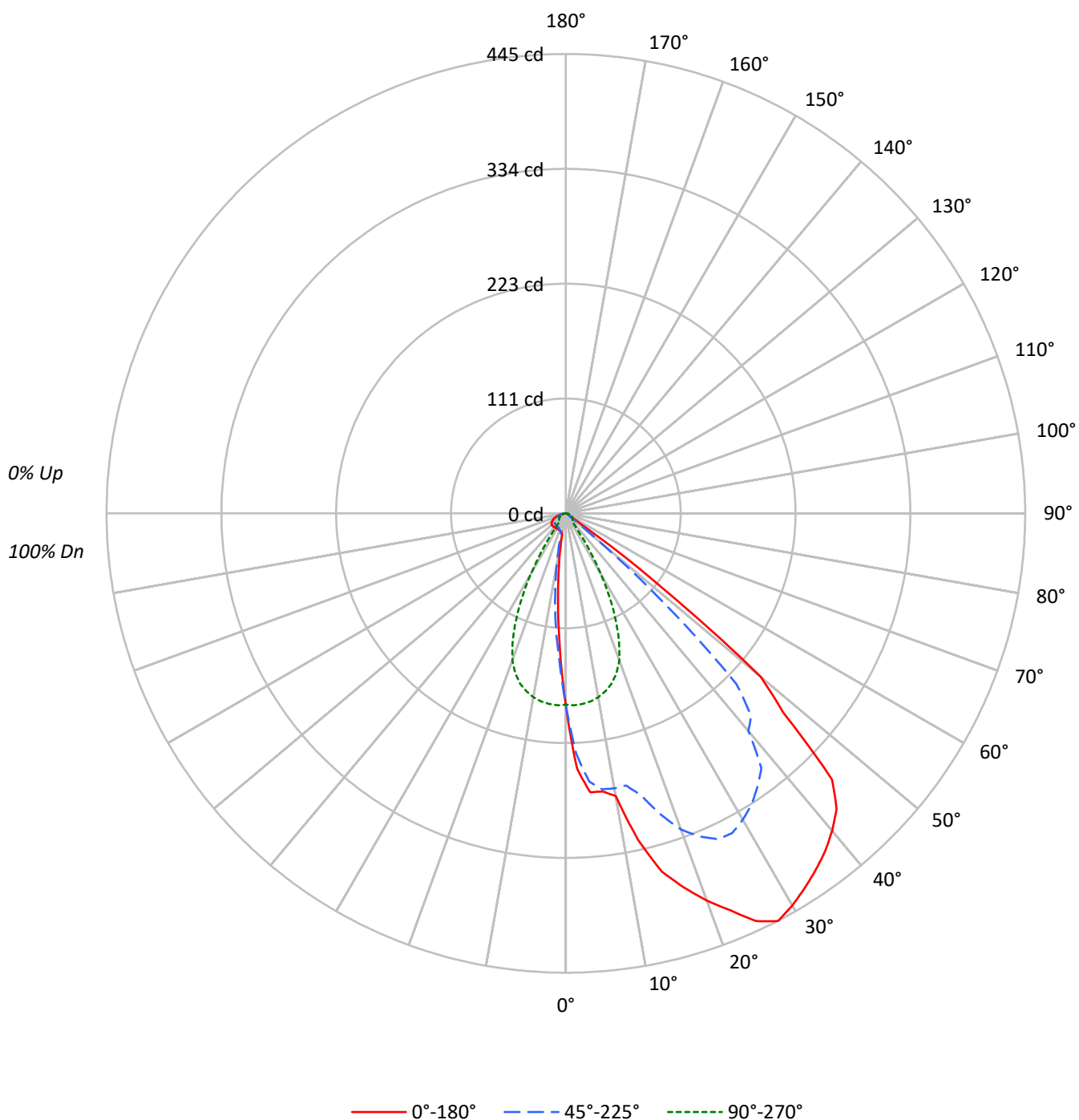
Lumens per Lamp: N/A
Luminaire Lumens: 352.1 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	100
1	112	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	90	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	80	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	71	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	64	64
5	84	74	66	61	82	73	66	60	71	65	60	69	64	59	67	62	59	57	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	51	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	46	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42	42
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	38	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	35	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	31913	31913	31913	31913	31913
5°	46885	45087	32035	19121	14989
10°	48616	47287	31636	9146	3707
15°	64027	50423	30471	3281	3209
20°	73127	59729	27748	3152	3226
25°	82814	66186	21777	3040	3192
30°	87222	68151	13503	3023	3420
35°	88681	68014	4457	3112	3616
40°	90243	61871	2158	3327	3957
45°	88826	56822	2241	3507	4287
50°	66018	10476	2251	3858	4716
55°	5285	1441	2402	4084	5044
60°	1102	1516	2342	4133	5236
65°	1141	1467	2282	4075	5379
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: 89898 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.9	4.8
10°-20°	47.4	13.5
20°-30°	79.6	22.6
30°-40°	95.8	27.2
40°-50°	75.9	21.6
50°-60°	24.3	6.9
60°-70°	6.8	1.9
70°-80°	4.1	1.2
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°	143.9	40.9
0°-40°	239.7	68.1
0°-60°	339.9	96.6
0°-90°	352.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	352.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	185	185	185	185	185	
5°	271	261	185	111	87	25
15°	359	283	171	18	18	101
25°	436	348	115	16	17	199
35°	422	324	21	15	17	264
45°	365	233	9	14	18	262
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°	185.3	185.3	185.3	185.3	185.3	185.3	185.3	185.3	185.3	185.3	185.3
2.5°	247.2	248.8	248.8	246.8	247.6	244.4	242.0	238.4	237.6	233.3	227.7
5°	271.2	270.4	270.4	268.8	269.6	268.4	267.2	266.4	264.0	260.8	257.6
7.5°	271.6	272.4	272.8	272.4	274.0	272.8	272.8	272.8	271.2	269.6	266.4
10°	278.0	276.8	275.6	272.8	271.2	270.0	270.0	270.4	271.2	270.4	268.4
12.5°	323.9	319.5	317.5	310.7	305.5	296.8	286.8	279.2	272.4	270.0	268.4
15°	359.1	358.3	354.3	347.9	341.5	331.1	319.5	307.9	295.6	282.8	273.6
17.5°	379.8	378.2	374.2	367.5	359.9	350.3	341.1	332.3	320.3	305.9	291.2
20°	399.0	395.4	390.2	382.2	374.6	365.5	355.5	347.1	337.1	325.9	308.7
22.5°	416.2	413.0	404.6	393.8	386.2	377.4	368.7	360.7	351.5	338.7	323.1
25°	435.8	428.6	415.0	401.0	391.8	384.6	378.2	371.9	362.3	348.3	329.9
27.5°	445.3	435.4	420.6	406.6	397.8	390.2	383.4	377.0	366.3	349.1	327.9
30°	438.6	433.0	422.6	411.8	404.6	397.4	389.4	379.8	362.7	342.7	323.1
32.5°	430.6	427.8	423.0	416.6	412.2	405.0	393.8	378.2	354.3	334.7	313.5
35°	421.8	420.6	419.0	416.2	413.4	406.6	392.6	369.9	345.9	323.5	303.2
37.5°	412.6	411.4	412.6	412.2	409.8	401.0	379.8	358.7	333.9	311.1	271.6
40°	401.4	400.6	402.6	404.6	401.8	390.2	367.5	341.9	319.9	275.2	261.6
42.5°	388.2	387.8	391.4	393.0	389.0	371.9	345.1	326.3	280.0	265.6	233.7
45°	364.7	365.5	367.1	369.1	366.7	347.9	323.5	289.2	268.8	233.3	133.0
47.5°	285.6	286.4	294.4	311.1	322.7	316.3	295.6	270.0	240.4	133.4	41.9
50°	246.4	245.6	246.0	250.0	259.2	268.0	261.6	247.6	143.4	39.1	5.2
52.5°	108.2	120.2	133.0	169.0	192.1	216.5	221.3	155.0	46.7	5.2	5.2
55°	17.6	18.4	23.2	33.9	61.1	92.3	111.8	51.9	4.8	4.8	4.8
57.5°	3.6	3.6	3.6	4.0	6.0	12.8	14.8	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°	185.3	185.3	185.3	185.3	185.3	185.3	185.3	185.3
2.5°	224.1	218.5	210.9	186.1	163.4	142.6	132.2	131.0
5°	252.4	247.2	234.5	185.3	141.8	110.6	91.9	86.7
7.5°	263.2	258.8	247.6	183.7	121.4	79.5	58.3	50.3
10°	266.0	263.2	253.6	180.9	100.3	52.3	27.6	21.2
12.5°	267.2	265.2	256.0	176.5	79.1	27.2	18.8	18.8
15°	269.2	267.2	258.4	170.9	58.3	18.4	18.0	18.0
17.5°	278.0	271.6	261.6	162.6	38.3	17.6	17.6	17.6
20°	292.4	278.4	263.2	151.4	24.0	17.2	17.2	17.6
22.5°	304.4	285.6	262.8	134.6	17.6	16.4	16.8	17.2
25°	309.5	288.8	259.2	114.6	15.2	16.0	16.8	16.8
27.5°	308.7	290.0	256.0	91.9	14.4	15.6	16.4	17.2
30°	304.4	286.8	248.8	67.9	13.6	15.2	16.4	17.2
32.5°	296.8	274.4	234.5	43.9	13.2	15.2	16.4	17.2
35°	272.0	254.4	213.7	21.2	12.8	14.8	16.8	17.2
37.5°	257.6	233.3	163.0	10.4	12.4	14.8	16.8	17.2
40°	234.5	174.1	73.5	9.6	12.4	14.8	16.8	17.6
42.5°	147.4	71.5	12.0	9.2	12.0	14.8	16.8	17.6
45°	53.9	9.6	6.4	9.2	12.0	14.4	16.8	17.6
47.5°	5.6	5.6	6.0	8.8	11.6	14.4	16.8	17.6
50°	5.2	5.6	6.0	8.4	11.2	14.4	16.4	17.6
52.5°	5.2	5.6	6.0	8.4	10.8	14.0	16.4	17.6
55°	5.2	5.6	5.6	8.0	10.4	13.6	16.0	16.8
57.5°	4.8	5.2	5.6	7.6	10.0	12.8	15.6	16.4
60°	4.8	5.2	5.6	6.8	9.6	12.0	14.8	15.2
62.5°	4.4	4.8	5.2	6.4	8.8	11.2	13.6	14.4
65°	4.4	4.4	4.8	5.6	8.0	10.0	12.4	13.2
67.5°	3.6	4.0	4.0	4.8	6.8	8.8	11.2	12.0
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)