

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: P1312316

Luminaire Tested: LDSQA3D05R659050DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-68)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R659050DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R65 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

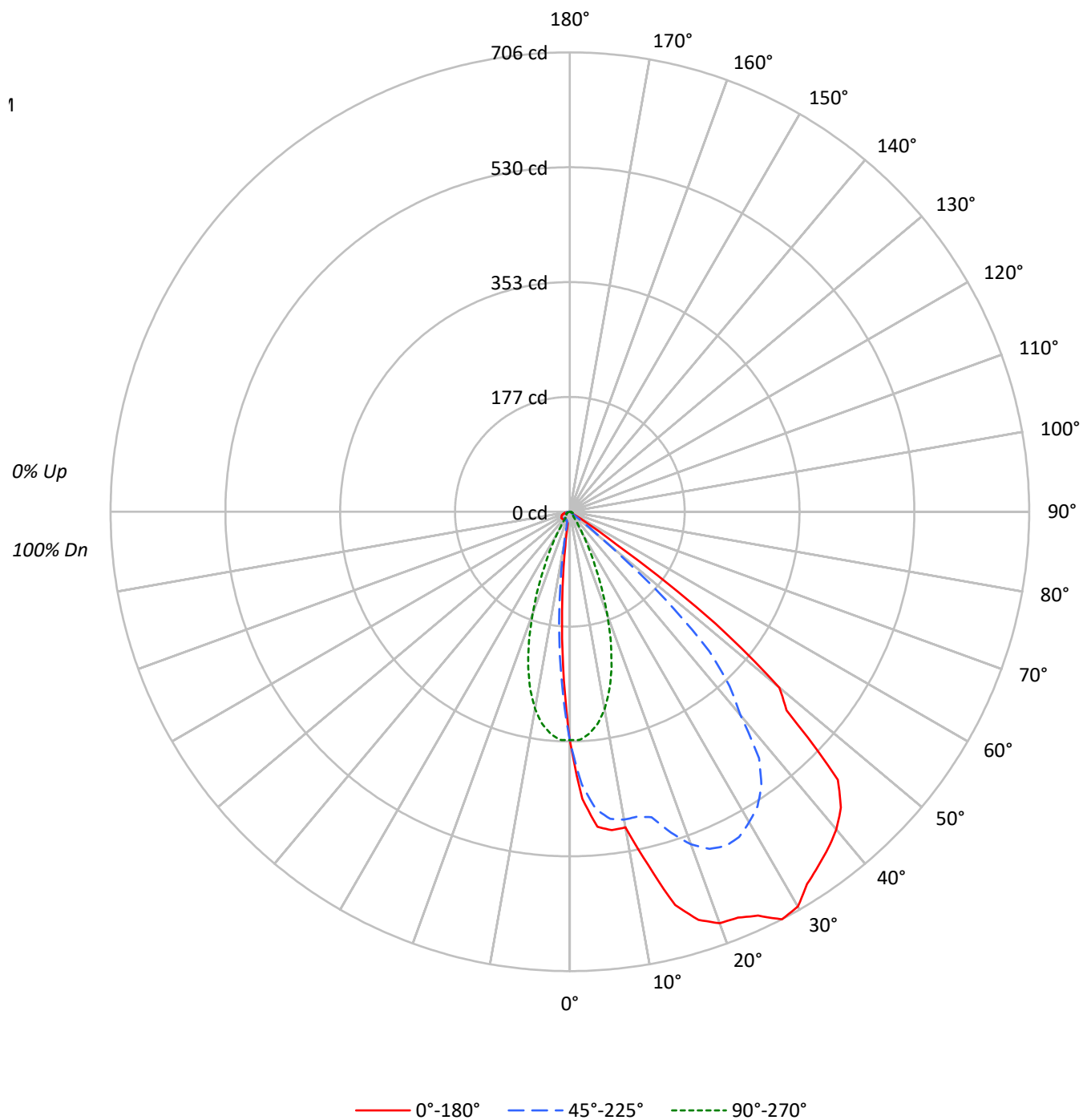
Lumens per Lamp: N/A
Luminaire Lumens: 526.0 lumens
Efficiency: N/A
Efficacy: 73.1 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.64 / 1.22
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	112	109	106	103	110	106	104	101	102	100	98	99	97	95	95	94	92	90	90	90
2	105	99	94	90	102	97	92	88	94	90	87	91	87	85	88	85	83	81	81	81
3	98	90	84	79	96	88	83	78	86	81	77	83	79	75	81	77	74	72	72	72
4	91	82	75	70	89	81	74	69	78	73	68	76	71	67	74	70	67	65	65	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58	58	58
6	79	68	61	56	78	68	61	56	66	60	55	64	59	55	63	58	54	53	53	53
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48	48	48
8	70	58	51	46	68	57	50	46	56	50	45	55	49	45	54	49	45	43	43	43
9	65	54	47	42	64	53	46	42	52	46	41	51	45	41	50	45	41	40	40	40
10	62	50	43	38	60	49	43	38	48	42	38	48	42	38	47	42	38	36	36	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	60433	60433	60433	60433	60433
5°	84003	79283	59160	32502	22872
10°	86128	84030	53810	9076	3340
15°	111597	86635	44057	2924	2835
20°	123326	99684	30662	2603	2712
25°	130149	107707	17349	2489	2698
30°	139365	109575	7835	2506	2824
35°	139855	107919	2523	2649	3112
40°	143301	91682	1731	2833	3440
45°	141922	73896	1729	3069	3726
50°	112638	17416	1768	3376	4260
55°	26753	991	1802	3783	4774
60°	930	1137	2067	3961	5098
65°	1100	1100	1997	4238	5583
70°	806	1108	1913	4129	5791
75°	732	1065	1797	4392	5789
80°	496	1091	2182	4364	5951
85°	988	2174	2174	4347	5335

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 10°

Vertical Angle: 45°

Luminance: 142190 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.3	5.6
10°-20°	77.1	14.7
20°-30°	121.2	23.0
30°-40°	138.6	26.4
40°-50°	111.4	21.2
50°-60°	36.2	6.9
60°-70°	6.4	1.2
70°-80°	4.2	0.8
80°-90°	1.5	0.3
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°	227.6	43.3
0°-40°	366.2	69.6
0°-60°	513.8	97.7
0°-90°	526.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	526.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	351	351	351	351	351	
5°	486	459	342	188	132	46
15°	626	486	247	16	16	174
25°	685	567	91	13	14	319
35°	665	513	12	13	15	418
45°	583	303	7	13	15	419
55°	89	3	6	13	16	127
65°	3	3	5	10	14	2
75°	1	2	3	7	9	1
85°	0	1	1	2	3	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°	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9
2.5°	441.7	440.0	442.2	438.4	437.8	434.0	431.8	430.7	425.8	419.3	413.2
5°	485.9	479.4	481.0	480.5	477.7	476.1	473.9	471.2	464.6	458.6	451.0
7.5°	493.6	488.1	489.2	489.8	488.1	487.6	487.0	485.9	481.6	476.1	469.5
10°	492.5	487.0	486.5	484.9	483.2	483.8	483.8	483.8	482.7	480.5	478.3
12.5°	555.9	548.3	546.6	535.1	524.8	506.7	495.2	484.3	479.4	479.9	478.3
15°	625.9	625.3	619.9	608.9	591.4	575.0	548.8	529.1	504.0	485.9	478.3
17.5°	657.6	657.0	652.1	642.8	630.3	614.9	595.8	572.9	545.0	517.1	494.1
20°	672.9	676.7	671.3	663.6	651.6	637.4	619.3	598.5	572.3	543.9	516.6
22.5°	675.1	680.0	675.1	669.6	660.9	651.6	636.3	614.9	588.2	560.8	534.0
25°	684.9	686.6	676.2	669.1	660.9	654.3	642.3	623.7	596.4	566.8	540.6
27.5°	706.2	699.1	677.3	667.4	659.8	653.8	642.3	623.1	593.6	563.6	536.2
30°	700.8	698.0	678.9	669.6	663.1	657.0	642.8	618.2	582.7	551.0	522.6
32.5°	678.4	683.8	677.3	674.0	670.7	663.1	642.3	608.9	569.0	536.8	498.5
35°	665.2	671.8	672.3	672.3	668.5	657.0	632.4	595.3	555.4	513.3	461.9
37.5°	652.1	657.6	660.9	663.1	657.6	641.2	610.0	576.7	533.0	477.7	387.6
40°	637.4	641.2	643.9	645.0	636.8	615.5	587.1	549.4	500.2	407.8	346.0
42.5°	616.6	618.8	618.2	617.7	608.9	585.4	558.6	519.3	422.0	363.5	288.6
45°	582.7	580.5	583.8	583.8	572.3	554.8	519.3	442.8	377.7	303.4	185.9
47.5°	451.5	453.1	469.0	494.7	510.5	505.6	457.5	387.6	317.6	199.0	61.8
50°	420.4	418.7	419.3	422.0	423.6	410.0	375.5	327.4	209.9	65.0	4.4
52.5°	282.1	283.7	296.3	325.2	334.5	324.7	291.9	218.6	76.5	4.4	3.8
55°	89.1	95.1	102.2	117.5	144.3	161.3	158.0	77.6	4.9	3.3	3.8
57.5°	3.3	3.3	4.4	7.7	14.8	24.1	25.1	4.9	3.8	3.8	3.8
60°	2.7	2.7	2.7	2.7	2.7	2.7	3.3	3.3	3.3	3.3	3.3
62.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.3	3.3	3.3	3.3
65°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	3.3
67.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.7	2.7	2.7	2.7
70°	1.6	1.6	1.6	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.7
72.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.2	2.2	2.2
75°	1.1	1.1	1.1	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
77.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6	1.6	1.6
80°	0.5	0.5	0.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6
82.5°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1	1.1
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
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°	350.9	350.9	350.9	350.9	350.9	350.9	350.9	350.9
2.5°	410.0	403.4	390.3	350.9	309.9	268.9	243.2	236.7
5°	442.2	434.6	416.0	342.2	259.1	188.0	147.6	132.3
7.5°	461.9	452.6	430.7	328.5	201.7	109.3	65.6	52.5
10°	470.6	462.4	437.8	307.7	145.9	51.9	23.0	19.1
12.5°	474.5	467.9	440.6	280.4	95.1	23.0	16.9	16.4
15°	476.1	469.0	439.5	247.1	54.1	16.4	15.9	15.9
17.5°	477.7	469.5	432.9	208.8	30.1	15.3	14.8	15.3
20°	490.9	467.4	421.4	167.3	19.7	14.2	14.2	14.8
22.5°	504.0	466.8	401.2	127.9	15.3	13.7	14.2	14.2
25°	508.4	461.3	375.5	91.3	13.1	13.1	13.7	14.2
27.5°	500.2	445.5	341.1	61.8	11.5	13.1	13.7	14.2
30°	481.0	418.7	299.5	39.4	10.9	12.6	13.7	14.2
32.5°	445.5	365.7	253.1	23.5	10.4	12.6	14.2	14.2
35°	374.4	306.7	200.6	12.0	10.4	12.6	14.2	14.8
37.5°	327.4	255.8	139.9	8.2	10.4	12.6	14.2	14.8
40°	271.7	184.8	58.5	7.7	10.4	12.6	14.2	15.3
42.5°	188.0	80.4	9.3	7.1	9.8	12.6	14.8	15.3
45°	67.8	10.4	4.4	7.1	9.8	12.6	14.8	15.3
47.5°	6.0	3.8	4.4	7.1	9.8	12.6	14.8	15.9
50°	3.8	3.8	3.8	6.6	9.8	12.6	14.8	15.9
52.5°	3.8	3.8	3.8	6.6	9.3	12.6	15.3	15.9
55°	3.8	3.8	3.8	6.0	9.3	12.6	14.8	15.9
57.5°	3.8	3.8	4.4	6.0	9.3	12.0	14.8	15.3
60°	3.8	3.8	3.8	6.0	8.7	11.5	14.2	14.8
62.5°	3.3	3.8	3.8	5.5	8.2	10.9	13.7	14.2
65°	3.3	3.3	3.8	4.9	7.7	10.4	12.6	13.7
67.5°	2.7	3.3	3.3	4.4	6.6	9.3	11.5	12.6
70°	2.7	2.7	2.7	3.8	6.0	8.2	10.9	11.5
72.5°	2.2	2.7	2.7	3.3	4.9	7.1	9.3	10.4
75°	2.2	2.2	2.2	2.7	4.4	6.6	8.2	8.7
77.5°	1.6	1.6	2.2	2.2	3.8	4.9	7.1	7.7
80°	1.6	1.6	1.6	2.2	2.7	4.4	5.5	6.0
82.5°	1.1	1.1	1.1	1.6	2.2	2.7	3.8	4.4
85°	1.1	1.1	1.1	1.1	1.6	2.2	2.7	2.7
87.5°	0.5	0.5	0.5	1.1	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)