

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: P1318128

Luminaire Tested: LDSQA3D05R609830DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318128
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R609830DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

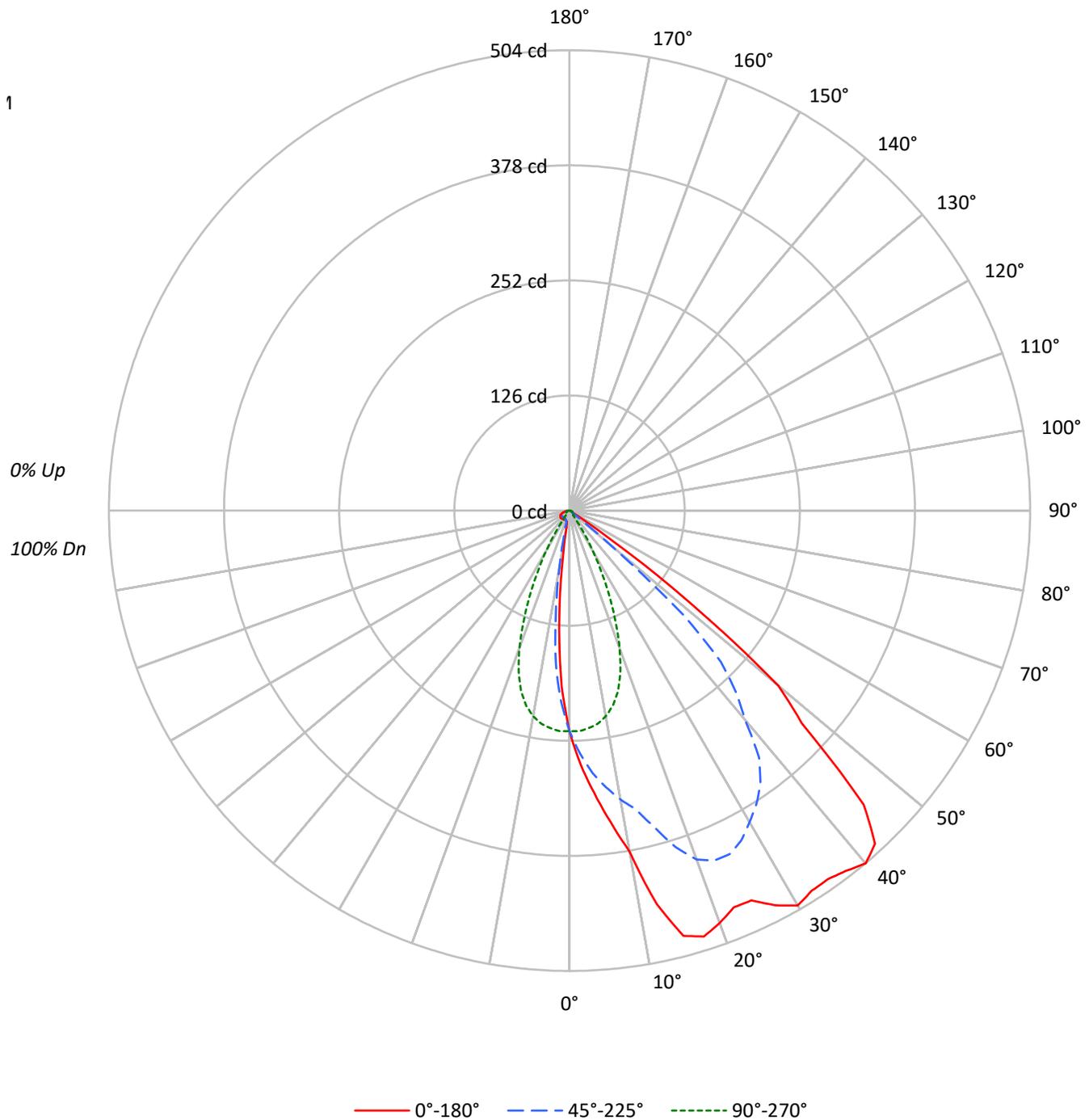
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 392.0 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	54	49	45	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	41557	41557	41557	41557	41557
5°	53679	49841	41336	29424	22457
10°	66332	56171	39995	11140	3305
15°	85922	63938	36498	2443	2175
20°	88046	74483	29379	2034	2108
25°	89465	78842	19687	1976	2109
30°	99294	78313	10162	1989	2207
35°	103567	76571	2796	2102	2418
40°	113332	67154	1326	2248	2653
45°	110868	57066	1364	2436	2971
50°	79924	14093	1500	2679	3269
55°	15343	901	1561	2883	3663
60°	758	896	1516	3066	3961
65°	774	897	1508	3179	4238
70°	755	957	1511	3172	4280
75°	732	998	1464	3194	4458
80°	397	1091	1488	3273	4364
85°	790	790	1383	2964	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 110868 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.0	5.4
10°-20°	57.9	14.8
20°-30°	89.2	22.7
30°-40°	104.6	26.7
40°-50°	83.9	21.4
50°-60°	26.1	6.6
60°-70°	4.9	1.3
70°-80°	3.3	0.8
80°-90°	1.1	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°	168.1	42.9
0°-40°	272.7	69.6
0°-60°	382.7	97.6
0°-90°	392.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	392.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	241	241	241	241	241	
5°	310	288	239	170	130	32
15°	482	359	205	14	12	132
25°	471	415	104	10	11	222
35°	493	364	13	10	12	312
45°	455	234	6	10	12	326
55°	51	3	5	10	12	81
65°	2	2	4	8	10	2
75°	1	2	2	5	7	1
85°	0	0	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°	241.3	241.3	241.3	241.3	241.3	241.3	241.3	241.3	241.3	241.3	241.3
2.5°	278.3	275.4	275.4	274.2	273.1	273.5	270.5	271.7	268.7	266.5	264.6
5°	310.5	306.8	306.4	304.6	302.7	301.3	297.6	295.3	290.9	288.3	282.8
7.5°	343.8	340.9	339.0	336.8	333.5	329.8	323.5	319.4	312.4	305.3	298.3
10°	379.3	376.8	372.7	370.1	360.8	354.9	346.4	340.9	330.5	321.2	310.5
12.5°	441.5	440.0	432.3	427.1	413.8	401.9	383.4	368.6	350.1	334.9	320.5
15°	481.9	480.0	475.9	471.1	462.6	449.3	432.6	411.9	386.0	358.6	334.2
17.5°	488.9	489.3	486.7	485.6	480.0	471.5	458.2	442.6	416.7	386.4	353.1
20°	480.4	483.3	482.6	484.8	485.9	482.6	473.7	458.5	436.0	406.4	369.0
22.5°	470.0	472.6	471.9	475.9	482.2	485.6	482.6	470.4	447.4	414.5	377.9
25°	470.8	472.6	467.1	469.7	477.8	485.9	486.3	475.6	450.8	414.9	377.1
27.5°	487.0	481.5	468.9	467.8	477.8	488.2	488.9	475.6	446.0	407.1	369.7
30°	499.3	495.2	481.1	479.3	488.9	495.9	492.2	471.5	434.5	393.8	359.0
32.5°	493.3	494.1	488.2	494.1	506.7	509.6	494.1	461.9	418.6	380.8	346.4
35°	492.6	495.6	498.9	508.1	516.7	509.6	484.8	443.7	401.6	364.2	326.8
37.5°	497.0	501.9	506.7	514.8	514.8	496.7	460.4	420.8	381.2	340.5	286.1
40°	504.1	507.0	508.5	507.8	497.8	471.1	432.6	393.0	355.3	298.7	259.1
42.5°	494.8	494.4	493.0	486.7	468.2	433.4	397.5	365.3	305.7	269.4	224.3
45°	455.2	455.2	451.1	441.2	424.1	395.3	363.4	316.4	278.7	234.3	166.5
47.5°	344.6	342.0	346.4	352.3	352.3	349.7	320.9	280.2	241.7	169.1	53.3
50°	298.3	294.2	288.7	289.8	289.0	292.0	273.5	242.8	178.8	52.6	3.7
52.5°	168.8	176.2	194.3	219.8	231.3	235.4	223.9	184.7	60.3	3.3	3.0
55°	51.1	52.6	59.6	73.3	99.6	127.3	129.2	60.0	4.1	3.0	3.0
57.5°	2.2	2.2	3.0	4.4	10.4	15.5	16.7	3.7	2.6	3.0	3.0
60°	2.2	2.2	2.2	2.2	2.2	2.2	2.6	2.6	2.6	2.6	3.0
62.5°	1.9	1.9	2.2	2.2	2.2	2.2	2.2	2.2	2.6	2.6	2.6
65°	1.9	1.9	1.9	1.9	1.9	1.9	2.2	2.2	2.2	2.2	2.6
67.5°	1.5	1.5	1.5	1.9	1.9	1.9	1.9	1.9	2.2	2.2	2.2
70°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.9	1.9	1.9	1.9
72.5°	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5	1.5	1.5	1.9
75°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.5	1.5	1.5	1.5
77.5°	0.7	0.7	0.7	0.7	0.7	1.1	1.1	1.1	1.1	1.1	1.1
80°	0.4	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.1	1.1
82.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.7	0.7	0.7	0.7	0.7
85°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.7
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°	241.3	241.3	241.3	241.3	241.3	241.3	241.3	241.3
2.5°	262.0	259.1	255.7	241.7	228.0	209.5	196.9	193.2
5°	277.9	273.1	265.7	239.1	206.9	170.2	140.6	129.9
7.5°	291.3	283.9	273.5	235.4	181.7	115.5	74.4	62.9
10°	300.9	291.6	278.3	228.7	148.4	63.7	25.2	18.9
12.5°	309.0	296.8	280.9	218.7	108.1	25.9	13.0	13.0
15°	314.6	299.8	282.0	204.7	69.9	13.7	12.2	12.2
17.5°	322.4	303.1	282.0	185.0	38.1	11.8	11.8	11.8
20°	334.9	306.4	277.9	160.3	21.1	11.1	11.5	11.5
22.5°	341.6	311.3	272.8	131.4	13.3	10.7	11.1	11.1
25°	343.1	310.5	261.7	103.6	10.7	10.4	10.7	11.1
27.5°	337.9	305.3	246.9	75.5	9.6	10.0	10.7	11.1
30°	328.6	292.7	223.2	51.1	8.9	10.0	10.7	11.1
32.5°	311.3	262.4	195.4	30.7	8.5	10.0	10.7	11.5
35°	272.4	230.6	163.6	13.3	8.1	10.0	11.1	11.5
37.5°	244.3	198.7	126.6	6.7	8.1	10.0	11.1	11.8
40°	213.2	159.9	58.5	5.9	8.1	10.0	11.1	11.8
42.5°	162.5	74.0	7.0	5.9	7.8	10.0	11.5	11.8
45°	59.2	7.8	3.7	5.6	7.8	10.0	11.5	12.2
47.5°	4.4	3.0	3.3	5.6	7.8	10.0	11.5	12.2
50°	3.0	3.0	3.3	5.6	7.8	10.0	11.5	12.2
52.5°	3.0	3.3	3.3	5.2	7.4	10.0	11.5	12.2
55°	3.0	3.3	3.3	5.2	7.4	9.6	11.5	12.2
57.5°	3.0	3.0	3.3	4.8	7.0	9.3	11.5	11.8
60°	3.0	3.0	3.3	4.4	6.7	8.9	10.7	11.5
62.5°	3.0	3.0	3.0	4.1	6.3	8.5	10.4	11.1
65°	2.6	2.6	3.0	3.7	5.6	7.8	9.6	10.4
67.5°	2.2	2.6	2.6	3.3	5.2	7.0	8.9	9.6
70°	2.2	2.2	2.2	3.0	4.4	6.3	8.1	8.5
72.5°	1.9	1.9	2.2	2.6	4.1	5.6	7.4	7.8
75°	1.5	1.9	1.9	2.2	3.3	4.8	6.3	6.7
77.5°	1.5	1.5	1.5	1.9	3.0	4.1	5.2	5.6
80°	1.1	1.1	1.1	1.5	2.2	3.3	4.1	4.4
82.5°	0.7	1.1	1.1	1.1	1.9	2.2	3.0	3.3
85°	0.7	0.7	0.7	0.7	1.1	1.5	1.9	2.2
87.5°	0.4	0.4	0.7	0.7	0.7	0.7	0.7	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)