

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: P1314368

Luminaire Tested: LDSQA3D05R509730DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314368
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-53)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R509730DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

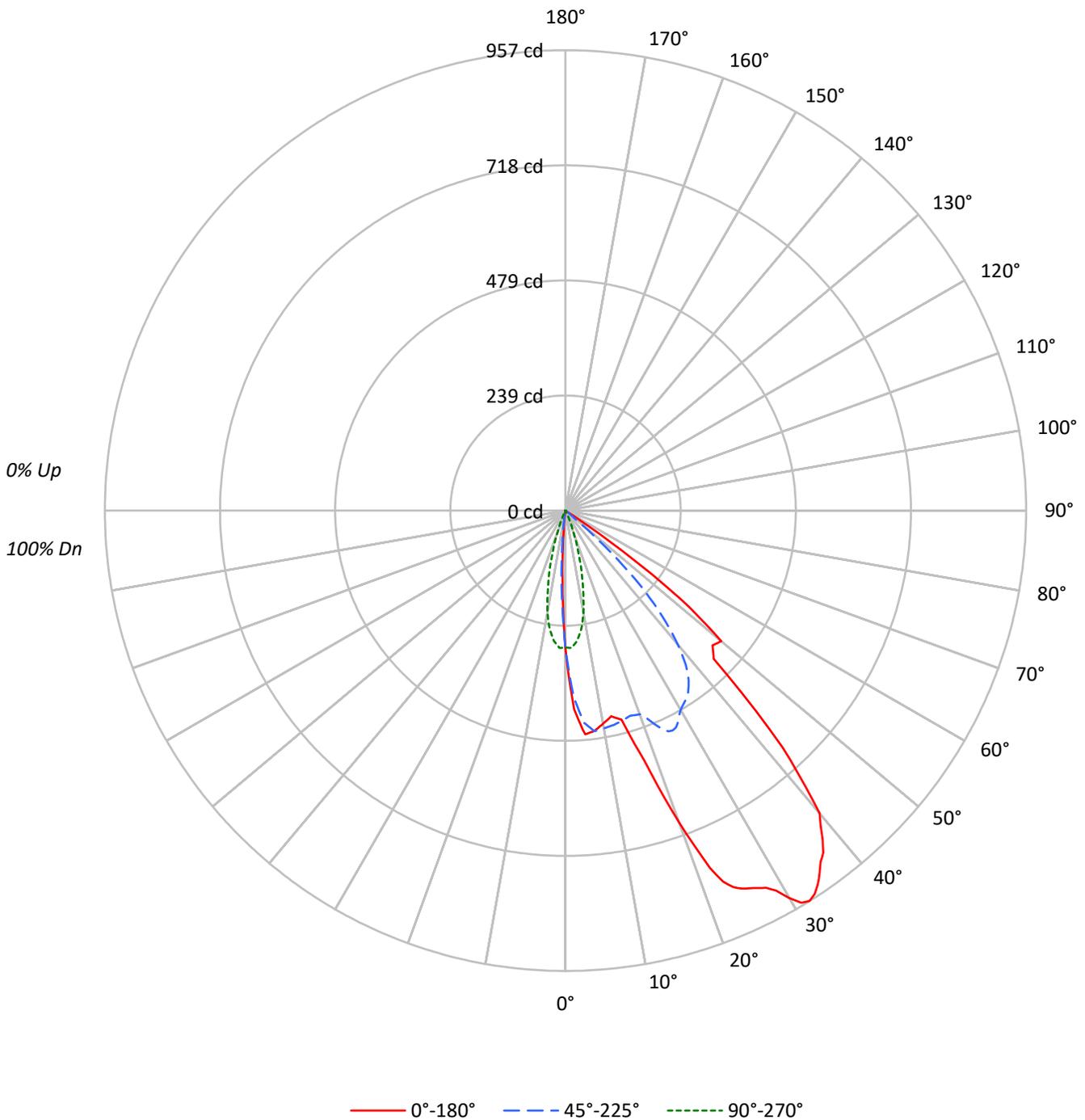
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 457.9 lumens
Efficiency: N/A
Efficacy: 63.6 lumens/watt
Spacing Criteria (0/90/45): 1.8 / 0.48 / 1.24
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 (A_{in}): 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				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	104	110	107	104	102	103	101	99	99	97	96	96	94	93	96	94	93	91
2	105	100	95	91	103	98	93	90	94	91	88	91	88	86	89	86	84	82	86	84	82
3	98	91	85	80	96	89	84	79	86	82	78	84	80	77	82	78	75	74	78	75	74
4	92	83	76	71	90	82	75	70	79	74	70	77	72	69	75	71	68	66	71	68	66
5	86	76	68	63	84	75	68	63	73	67	62	71	66	62	69	65	61	59	65	61	59
6	80	69	62	57	78	68	62	57	67	61	56	65	60	56	64	59	55	54	59	55	54
7	75	64	56	51	73	63	56	51	61	55	51	60	55	50	59	54	50	48	54	50	48
8	70	59	51	46	69	58	51	46	57	50	46	56	50	46	55	49	46	44	49	46	44
9	66	54	47	42	64	54	47	42	53	46	42	52	46	42	51	45	42	40	45	42	40
10	62	50	43	39	61	50	43	39	49	43	38	48	42	38	47	42	38	37	42	38	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	48980	48980	48980	48980	48980
5°	80701	76569	47058	13986	6984
10°	78643	80375	37704	700	944
15°	80181	80662	22590	713	232
20°	126387	82584	9310	0	0
25°	164753	96210	2223	0	0
30°	184925	95137	80	0	0
35°	193531	93685	0	0	0
40°	184623	81408	0	0	0
45°	106021	53729	0	0	0
50°	113147	6136	0	0	0
55°	32248	0	0	0	0
60°	0	0	138	0	0
65°	0	163	163	0	0
70°	0	201	201	0	0
75°	0	266	266	0	0
80°	0	397	893	397	0
85°	0	790	1778	790	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 117079 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.9	5.2
10°-20°	60.2	13.1
20°-30°	115.6	25.2
30°-40°	134.5	29.4
40°-50°	96.3	21.0
50°-60°	26.8	5.9
60°-70°	0.2	0.0
70°-80°	0.3	0.1
80°-90°	0.3	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°	199.6	43.6
0°-40°	334.1	73.0
0°-60°	457.2	99.8
0°-90°	457.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	457.9	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	284	284	284	284	284	
5°	467	443	272	81	40	43
15°	450	452	127	4	1	145
25°	867	506	12	0	0	394
35°	920	446	0	0	0	570
45°	435	221	0	0	0	409
55°	107	0	0	0	0	135
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	1	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
0°	284.4	284.4	284.4	284.4	284.4	284.4	284.4	284.4	284.4	284.4	284.4
2.5°	413.3	415.5	416.0	410.6	411.5	403.9	404.3	398.9	385.9	340.5	285.7
5°	466.8	465.4	466.8	465.0	466.8	462.3	459.6	457.3	442.9	378.7	272.2
7.5°	461.8	460.0	462.7	463.6	466.8	465.4	465.9	467.2	462.3	399.4	249.3
10°	449.7	449.2	450.6	450.6	454.2	454.6	456.4	459.1	459.6	406.6	215.6
12.5°	438.0	436.7	436.7	436.2	438.0	437.6	442.0	448.3	456.9	402.1	169.4
15°	449.7	448.3	446.5	441.6	438.0	434.0	434.4	438.5	452.4	390.4	126.7
17.5°	544.0	536.8	527.8	512.1	495.5	466.8	449.7	438.9	447.0	372.4	84.5
20°	689.6	686.4	672.1	646.4	619.5	577.3	524.7	482.5	450.6	350.0	50.8
21°	744.8	743.0	727.8	703.9	673.4	622.2	568.3	517.5	457.8	340.5	40.0
22°	801.4	794.7	782.6	756.1	724.2	672.9	612.8	556.6	472.1	328.4	30.5
23°	837.8	833.8	820.7	799.6	769.1	719.2	657.7	596.6	486.1	314.9	22.9
24°	856.7	855.3	845.0	830.2	804.1	753.4	695.0	632.1	497.7	299.2	16.6
25°	867.0	862.5	856.2	845.5	825.7	781.7	729.6	663.1	506.3	283.5	11.7
26°	873.3	870.6	860.7	851.3	832.4	796.5	752.0	681.9	508.5	264.1	8.1
27°	880.5	874.2	864.8	853.5	832.4	801.0	760.6	690.0	505.8	244.4	5.4
28°	888.1	883.6	870.6	856.2	831.1	801.0	757.4	679.2	497.7	225.5	3.1
29°	903.0	897.1	880.9	859.8	831.5	800.1	745.3	656.8	487.0	204.4	1.8
30°	929.9	917.8	898.0	868.4	834.7	798.3	725.1	623.1	478.4	180.6	0.4
31°	951.0	944.3	921.4	884.1	843.7	793.3	701.3	589.8	472.6	159.9	0.0
32°	956.9	951.9	935.3	900.3	858.9	789.3	674.3	557.5	468.1	137.0	0.0
33°	950.1	947.0	929.5	897.6	863.0	783.9	643.3	525.6	463.2	116.4	0.0
34°	937.5	933.5	918.2	885.9	852.6	760.6	613.7	501.3	456.0	97.0	0.0
35°	920.5	917.3	901.6	869.7	833.8	724.2	584.0	485.2	445.6	77.7	0.0
36°	902.1	901.2	880.9	849.5	809.5	689.1	548.1	473.0	435.3	61.5	0.0
37°	889.9	885.4	863.4	832.4	780.8	648.2	519.3	469.0	420.9	47.6	0.0
38°	867.9	868.8	843.7	815.4	751.6	612.8	496.0	465.9	404.8	34.6	0.0
39°	841.9	842.3	816.3	792.0	717.0	575.5	476.6	462.7	384.5	22.0	0.0
40°	821.2	820.7	791.1	765.0	679.7	540.4	466.3	458.2	362.1	12.6	0.0
42.5°	667.6	670.3	673.8	684.6	592.1	478.9	456.4	433.1	298.3	0.0	0.0
45°	435.3	445.6	448.3	480.7	480.2	453.7	433.1	388.1	220.6	0.0	0.0
47.5°	414.2	417.3	423.2	435.8	442.5	429.5	387.2	324.3	120.4	0.0	0.0
50°	422.3	421.8	423.2	423.2	411.0	377.4	317.6	239.4	22.9	0.0	0.0
52.5°	303.2	314.5	326.6	332.0	316.3	280.8	231.8	140.6	0.0	0.0	0.0
55°	107.4	103.8	101.1	110.5	108.3	121.7	100.6	32.8	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.4	1.8	4.0	5.4	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	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	0.4	0.4	0.4	0.4	0.9
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	45°	67.5°	90°
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.9
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):

	112.5°	135°	157.5°	180°
0°	284.4	284.4	284.4	284.4
2.5°	227.8	174.8	141.5	143.8
5°	159.9	80.9	49.9	40.4
7.5°	95.7	24.7	4.9	4.0
10°	44.9	4.0	4.5	5.4
12.5°	13.5	3.6	4.9	4.5
15°	3.6	4.0	2.2	1.3
17.5°	1.3	1.8	0.0	0.0
20°	0.9	0.0	0.0	0.0
21°	0.9	0.0	0.0	0.0
22°	0.4	0.0	0.0	0.0
23°	0.0	0.0	0.0	0.0
24°	0.0	0.0	0.0	0.0
25°	0.0	0.0	0.0	0.0
26°	0.0	0.0	0.0	0.0
27°	0.0	0.0	0.0	0.0
28°	0.0	0.0	0.0	0.0
29°	0.0	0.0	0.0	0.0
30°	0.0	0.0	0.0	0.0
31°	0.0	0.0	0.0	0.0
32°	0.0	0.0	0.0	0.0
33°	0.0	0.0	0.0	0.0
34°	0.0	0.0	0.0	0.0
35°	0.0	0.0	0.0	0.0
36°	0.0	0.0	0.0	0.0
37°	0.0	0.0	0.0	0.0
38°	0.0	0.0	0.0	0.0
39°	0.0	0.0	0.0	0.0
40°	0.0	0.0	0.0	0.0
42.5°	0.0	0.0	0.0	0.0
45°	0.0	0.0	0.0	0.0
47.5°	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0
65°	0.4	0.0	0.0	0.0
67.5°	0.4	0.0	0.0	0.0
70°	0.4	0.0	0.0	0.0
72.5°	0.4	0.0	0.0	0.0
75°	0.4	0.0	0.0	0.0
77.5°	0.4	0.0	0.0	0.0
80°	0.4	0.4	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	112.5°	135°	157.5°	180°
82.5°	0.4	0.4	0.0	0.0
85°	0.4	0.4	0.0	0.0
87.5°	0.4	0.4	0.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)