

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: P1318418

Luminaire Tested: LDSQA3D13R609830DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318418
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-55)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R609830DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

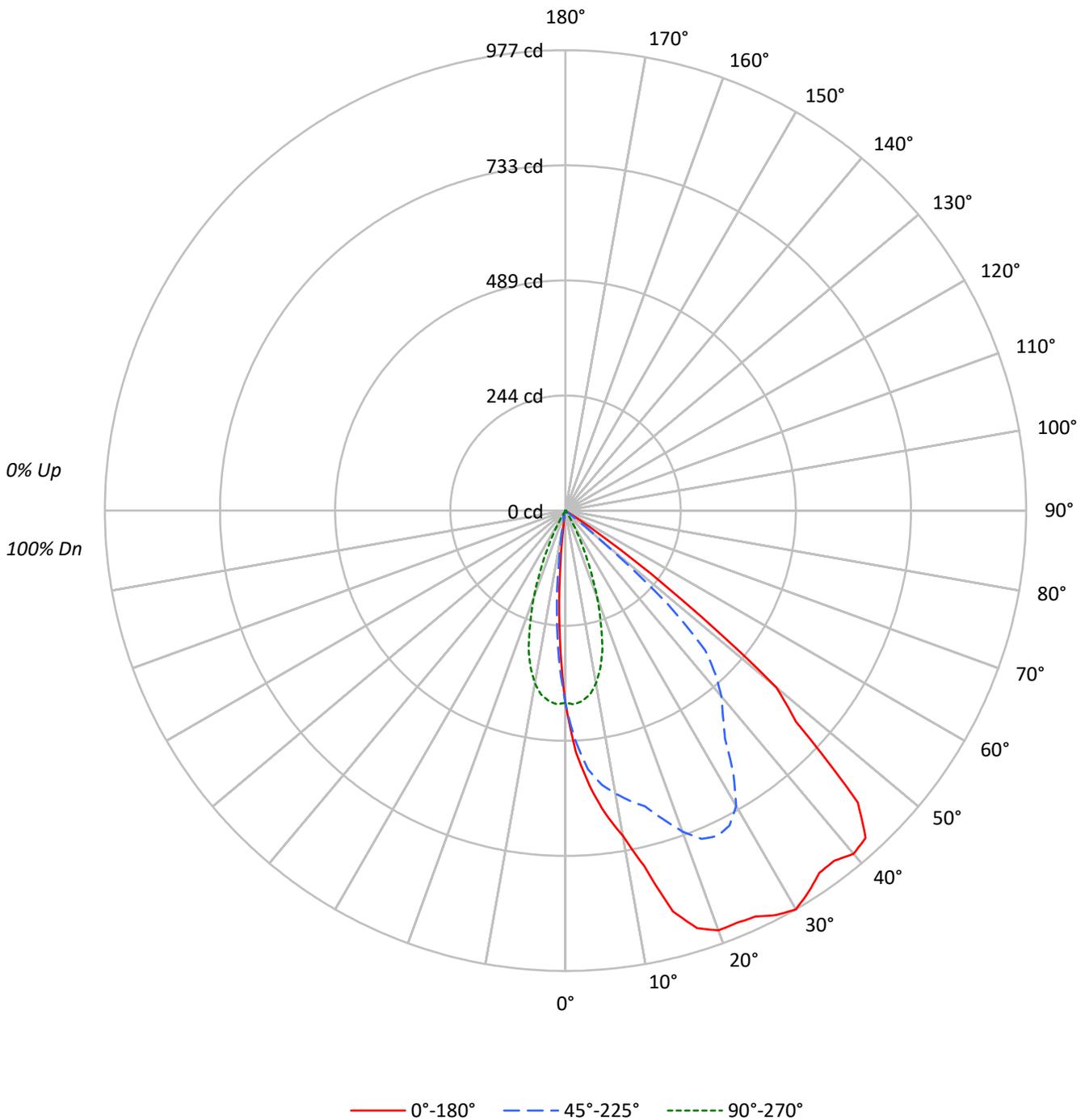
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 663.0 lumens
Efficiency: N/A
Efficacy: 45.7 lumens/watt
Spacing Criteria (0/90/45): 1.74 / 0.65 / 1.25
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.5
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	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	89	86	84	82
3	99	91	85	80	96	89	84	79	87	82	78	84	80	77	82	78	76	82	78	76	74
4	92	83	76	71	90	82	75	71	79	74	70	77	73	69	75	71	68	75	71	68	66
5	86	76	69	64	84	75	68	63	73	67	63	71	66	62	69	65	61	69	65	61	60
6	80	69	62	57	79	69	62	57	67	61	56	65	60	56	64	59	56	64	59	56	54
7	75	64	57	52	74	63	56	51	62	56	51	60	55	51	59	54	50	59	54	50	49
8	70	59	52	47	69	58	51	47	57	51	46	56	50	46	55	50	46	55	50	46	44
9	66	55	47	43	65	54	47	43	53	47	42	52	46	42	51	46	42	51	46	42	40
10	62	51	44	39	61	50	43	39	49	43	39	48	43	39	48	42	39	48	42	39	37

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	70250	70250	70250	70250	70250
5°	101256	95361	70138	36132	23218
10°	122486	106624	65125	4320	2536
15°	156974	115822	53971	2853	2336
20°	173727	132765	36179	1594	275
25°	180677	144819	17786	133	0
30°	194292	143919	4912	0	0
35°	197315	123918	0	0	0
40°	213760	115535	0	0	0
45°	213553	102003	0	0	0
50°	156364	24703	0	0	0
55°	30507	0	0	0	0
60°	0	0	0	0	0
65°	0	285	285	0	0
70°	0	352	352	0	0
75°	0	466	466	0	0
80°	0	694	694	694	0
85°	0	1383	1383	1383	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 213918 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.0	5.3
10°-20°	99.8	15.0
20°-30°	159.0	24.0
30°-40°	183.8	27.7
40°-50°	146.0	22.0
50°-60°	38.4	5.8
60°-70°	0.3	0.0
70°-80°	0.4	0.1
80°-90°	0.4	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°	293.8	44.3
0°-40°	477.5	72.0
0°-60°	661.9	99.8
0°-90°	663.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	663.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	408	408	408	408	408	
5°	586	552	406	209	134	59
15°	880	650	303	16	13	245
25°	951	762	94	1	0	443
35°	938	589	0	0	0	596
45°	877	419	0	0	0	624
55°	102	0	0	0	0	153
65°	0	1	1	0	0	0
75°	0	1	1	0	0	0
85°	0	1	1	1	0	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°	407.9	407.9	407.9	407.9	407.9	407.9	407.9	407.9	407.9	407.9	407.9
2.5°	513.2	518.2	516.1	513.9	508.8	506.6	506.6	500.8	491.4	489.9	483.4
5°	585.7	587.2	587.2	585.7	582.1	576.3	574.9	569.1	560.3	551.6	542.9
7.5°	648.9	648.2	643.8	640.9	634.4	626.4	619.1	611.2	598.1	586.5	574.1
10°	700.4	702.6	699.0	691.7	683.0	672.1	660.5	646.7	627.1	609.7	593.7
12.5°	773.0	772.3	762.9	750.5	729.5	709.1	691.0	675.8	651.8	630.8	611.2
15°	880.4	879.0	870.3	859.4	828.9	798.4	767.2	724.4	684.5	649.6	622.0
17.5°	929.1	932.0	924.7	918.9	901.5	881.2	853.6	810.8	749.1	685.9	627.8
20°	947.9	951.6	946.5	945.8	937.8	928.3	905.8	859.4	799.1	724.4	652.5
22.5°	947.2	950.1	947.9	957.4	966.8	961.7	934.2	887.7	826.0	754.1	672.9
25°	950.8	948.7	940.7	954.5	968.3	963.9	950.1	910.2	842.7	762.1	680.1
27.5°	967.5	951.6	935.6	953.0	959.6	961.0	953.0	905.8	839.8	753.4	665.6
30°	977.0	959.6	946.5	961.0	961.0	969.0	952.3	898.6	815.1	723.7	627.1
32.5°	959.6	955.9	967.5	982.1	985.7	985.7	948.7	874.6	773.7	662.7	565.4
35°	938.5	947.2	980.6	987.1	987.1	971.2	926.2	832.5	712.0	589.4	519.7
37.5°	936.3	950.1	987.1	979.2	966.1	936.3	871.0	759.2	624.2	548.0	485.6
40°	950.8	963.9	985.7	956.7	925.4	879.0	800.6	663.4	571.2	513.9	444.2
42.5°	942.1	954.5	955.2	912.4	868.1	805.0	701.2	585.7	532.8	470.3	397.0
45°	876.8	878.3	875.4	829.6	783.9	718.6	608.3	547.3	490.7	418.8	291.8
47.5°	662.7	659.8	670.7	657.6	659.8	620.6	552.4	502.3	434.8	294.0	88.6
50°	583.6	579.9	569.1	557.4	545.8	527.0	495.0	441.3	313.6	92.2	2.9
52.5°	312.8	330.3	364.4	416.6	436.2	434.8	410.8	326.6	98.7	0.7	0.0
55°	101.6	100.2	111.8	132.1	181.5	209.0	217.8	111.1	2.2	0.0	0.0
57.5°	0.0	0.0	0.0	2.2	7.3	18.9	24.7	1.5	0.0	0.7	0.0
60°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7
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°	407.9	407.9	407.9	407.9	407.9	407.9	407.9	407.9
2.5°	474.7	464.5	452.9	411.5	362.9	315.7	281.6	272.9
5°	529.1	511.7	487.0	405.7	299.8	209.0	149.5	134.3
7.5°	557.4	542.2	516.1	394.1	232.3	103.1	38.5	26.1
10°	574.9	556.7	527.7	372.4	151.7	24.7	13.8	14.5
12.5°	587.2	566.2	533.5	341.1	76.9	12.3	17.4	18.1
15°	592.3	569.8	532.8	302.7	27.6	16.0	15.2	13.1
17.5°	589.4	561.1	523.3	247.5	9.4	15.2	8.0	6.5
20°	585.7	553.8	508.1	197.4	8.0	8.7	2.9	1.5
22.5°	597.4	541.5	487.0	141.5	8.0	2.9	0.0	0.0
25°	598.8	536.4	460.2	93.6	3.6	0.7	0.0	0.0
27.5°	584.3	506.6	418.8	55.2	0.0	0.0	0.0	0.0
30°	537.8	469.6	374.5	24.7	0.0	0.0	0.0	0.0
32.5°	492.1	428.2	325.2	5.8	0.0	0.0	0.0	0.0
35°	455.8	385.4	270.7	0.0	0.0	0.0	0.0	0.0
37.5°	410.8	334.6	201.8	0.0	0.0	0.0	0.0	0.0
40°	363.6	270.0	100.9	0.0	0.0	0.0	0.0	0.0
42.5°	283.8	128.5	10.2	0.0	0.0	0.0	0.0	0.0
45°	108.9	11.6	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
65°	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
67.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
70°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
72.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
75°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
77.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
80°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
82.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
87.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)