

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: P1318420

Luminaire Tested: LDSQA3D13R609830DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318420
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: LDSQA3D13R609830DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

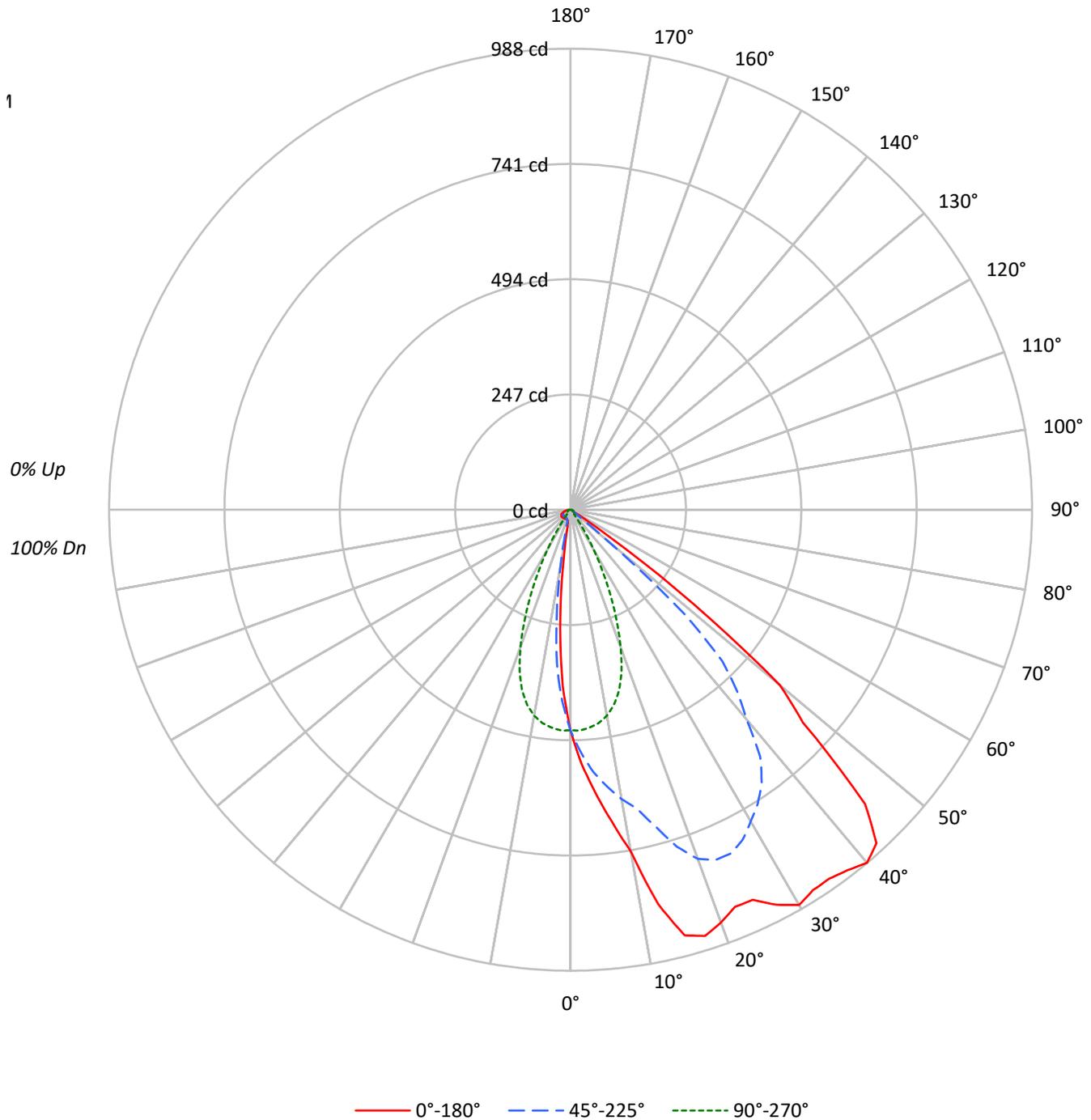
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 768.1 lumens
Efficiency: N/A
Efficacy: 53.0 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): 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
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	109	106	104	101	102	100	98	99	97	95	95	94	92	90	90	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81	81	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72	72	72
4	91	82	75	70	89	80	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	67	61	55	66	60	55	64	59	55	63	58	54	52	52	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47	47	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43	43	43
9	65	54	46	42	64	53	46	41	52	46	41	51	45	41	50	45	41	39	39	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36	36	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	81427	81427	81427	81427	81427
5°	105163	97643	80977	57656	43998
10°	129970	110069	78363	21807	6471
15°	168331	125272	71497	4778	4261
20°	172499	145906	57549	3995	4124
25°	175262	154454	38575	3858	4143
30°	194510	153425	19906	3898	4335
35°	202907	150010	5487	4121	4731
40°	222033	131543	2608	4406	5216
45°	217231	111794	2655	4774	5821
50°	156579	27597	2920	5251	6404
55°	30056	1742	3063	5675	7176
60°	1516	1757	2997	5993	7750
65°	1467	1793	2975	6194	8273
70°	1460	1813	2921	6194	8409
75°	1464	1930	2928	6255	8717
80°	694	2182	2876	6447	8629
85°	1383	1383	2964	5730	8695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 217231 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.1	5.4
10°-20°	113.5	14.8
20°-30°	174.7	22.7
30°-40°	205.0	26.7
40°-50°	164.4	21.4
50°-60°	51.0	6.6
60°-70°	9.7	1.3
70°-80°	6.4	0.8
80°-90°	2.2	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°	329.3	42.9
0°-40°	534.3	69.6
0°-60°	749.7	97.6
0°-90°	768.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	768.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	473	473	473	473	473	
5°	608	565	468	334	254	62
15°	944	703	401	27	24	259
25°	922	813	203	20	22	435
35°	965	714	26	20	22	611
45°	892	459	11	20	24	638
55°	100	6	10	19	24	158
65°	4	4	7	15	20	3
75°	2	3	4	9	13	2
85°	1	1	2	3	4	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°	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8
2.5°	545.3	539.5	539.5	537.3	535.1	535.8	530.0	532.2	526.4	522.1	518.4
5°	608.3	601.1	600.4	596.7	593.1	590.2	583.0	578.6	569.9	564.8	554.0
7.5°	673.6	667.8	664.2	659.8	653.3	646.1	633.7	625.8	612.0	598.2	584.4
10°	743.2	738.1	730.2	725.1	707.0	695.4	678.7	667.8	647.5	629.4	608.3
12.5°	865.0	862.1	846.9	836.8	810.6	787.4	751.2	722.2	685.9	656.2	627.9
15°	944.1	940.4	932.5	923.0	906.4	880.3	847.6	807.0	756.3	702.6	654.8
17.5°	957.8	958.6	953.5	951.3	940.4	923.8	897.7	867.2	816.4	757.0	691.7
20°	941.2	947.0	945.5	949.9	952.0	945.5	928.1	898.4	854.2	796.1	722.9
22.5°	920.9	925.9	924.5	932.5	944.8	951.3	945.5	921.6	876.6	812.1	740.3
25°	922.3	925.9	915.1	920.1	936.1	952.0	952.8	931.7	883.2	812.8	738.9
27.5°	954.2	943.3	918.7	916.5	936.1	956.4	957.8	931.7	873.7	797.6	724.4
30°	978.1	970.2	942.6	939.0	957.8	971.6	964.4	923.8	851.3	771.5	703.3
32.5°	966.5	968.0	956.4	968.0	992.6	998.4	968.0	904.9	820.1	746.1	678.7
35°	965.1	970.9	977.4	995.5	1012.2	998.4	949.9	869.4	786.7	713.5	640.3
37.5°	973.8	983.2	992.6	1008.6	1008.6	973.1	902.0	824.4	746.8	667.1	560.5
40°	987.6	993.4	996.3	994.8	975.2	923.0	847.6	770.0	696.1	585.1	507.6
42.5°	969.4	968.7	965.8	953.5	917.2	849.1	778.7	715.7	598.9	527.9	439.4
45°	891.9	891.9	883.9	864.3	831.0	774.4	712.0	619.9	546.0	459.0	326.3
47.5°	675.1	670.0	678.7	690.3	690.3	685.2	628.7	548.9	473.5	331.4	104.4
50°	584.4	576.4	565.6	567.7	566.3	572.1	535.8	475.7	350.2	103.0	7.3
52.5°	330.6	345.1	380.7	430.7	453.2	461.2	438.7	361.8	118.2	6.5	5.8
55°	100.1	103.0	116.7	143.6	195.0	249.4	253.1	117.5	8.0	5.8	5.8
57.5°	4.4	4.4	5.8	8.7	20.3	30.5	32.6	7.3	5.1	5.8	5.8
60°	4.4	4.4	4.4	4.4	4.4	4.4	5.1	5.1	5.1	5.1	5.8
62.5°	3.6	3.6	4.4	4.4	4.4	4.4	4.4	4.4	5.1	5.1	5.1
65°	3.6	3.6	3.6	3.6	3.6	3.6	4.4	4.4	4.4	4.4	5.1
67.5°	2.9	2.9	2.9	3.6	3.6	3.6	3.6	3.6	4.4	4.4	4.4
70°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.6	3.6	3.6	3.6
72.5°	2.2	2.2	2.2	2.2	2.2	2.9	2.9	2.9	2.9	2.9	3.6
75°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.9	2.9	2.9	2.9
77.5°	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2	2.2	2.2	2.2
80°	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2	2.2
82.5°	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	1.5	1.5	1.5
85°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5
87.5°	0.0	0.0	0.0	0.0	0.7	0.7	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°	472.8	472.8	472.8	472.8	472.8	472.8	472.8	472.8
2.5°	513.4	507.6	501.0	473.5	446.7	410.4	385.7	378.5
5°	544.5	535.1	520.6	468.4	405.3	333.5	275.5	254.5
7.5°	570.6	556.1	535.8	461.2	356.0	226.2	145.7	123.3
10°	589.5	571.4	545.3	448.1	290.8	124.7	49.3	37.0
12.5°	605.4	581.5	550.3	428.5	211.7	50.8	25.4	25.4
15°	616.3	587.3	552.5	401.0	137.0	26.8	23.9	23.9
17.5°	631.6	593.8	552.5	362.5	74.7	23.2	23.2	23.2
20°	656.2	600.4	544.5	314.0	41.3	21.8	22.5	22.5
22.5°	669.3	609.8	534.4	257.4	26.1	21.0	21.8	21.8
25°	672.2	608.3	512.6	203.0	21.0	20.3	21.0	21.8
27.5°	662.0	598.2	483.6	147.9	18.9	19.6	21.0	21.8
30°	643.9	573.5	437.2	100.1	17.4	19.6	21.0	21.8
32.5°	609.8	514.1	382.8	60.2	16.7	19.6	21.0	22.5
35°	533.7	451.7	320.5	26.1	16.0	19.6	21.8	22.5
37.5°	478.6	389.4	248.0	13.1	16.0	19.6	21.8	23.2
40°	417.7	313.2	114.6	11.6	16.0	19.6	21.8	23.2
42.5°	318.3	145.0	13.8	11.6	15.2	19.6	22.5	23.2
45°	116.0	15.2	7.3	10.9	15.2	19.6	22.5	23.9
47.5°	8.7	5.8	6.5	10.9	15.2	19.6	22.5	23.9
50°	5.8	5.8	6.5	10.9	15.2	19.6	22.5	23.9
52.5°	5.8	6.5	6.5	10.2	14.5	19.6	22.5	23.9
55°	5.8	6.5	6.5	10.2	14.5	18.9	22.5	23.9
57.5°	5.8	5.8	6.5	9.4	13.8	18.1	22.5	23.2
60°	5.8	5.8	6.5	8.7	13.1	17.4	21.0	22.5
62.5°	5.8	5.8	5.8	8.0	12.3	16.7	20.3	21.8
65°	5.1	5.1	5.8	7.3	10.9	15.2	18.9	20.3
67.5°	4.4	5.1	5.1	6.5	10.2	13.8	17.4	18.9
70°	4.4	4.4	4.4	5.8	8.7	12.3	16.0	16.7
72.5°	3.6	3.6	4.4	5.1	8.0	10.9	14.5	15.2
75°	2.9	3.6	3.6	4.4	6.5	9.4	12.3	13.1
77.5°	2.9	2.9	2.9	3.6	5.8	8.0	10.2	10.9
80°	2.2	2.2	2.2	2.9	4.4	6.5	8.0	8.7
82.5°	1.5	2.2	2.2	2.2	3.6	4.4	5.8	6.5
85°	1.5	1.5	1.5	1.5	2.2	2.9	3.6	4.4
87.5°	0.7	0.7	1.5	1.5	1.5	1.5	1.5	2.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)