

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: P1319296

Luminaire Tested: LDSQA3D13R609835DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319296
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: LDSQA3D13R609835DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 3500K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

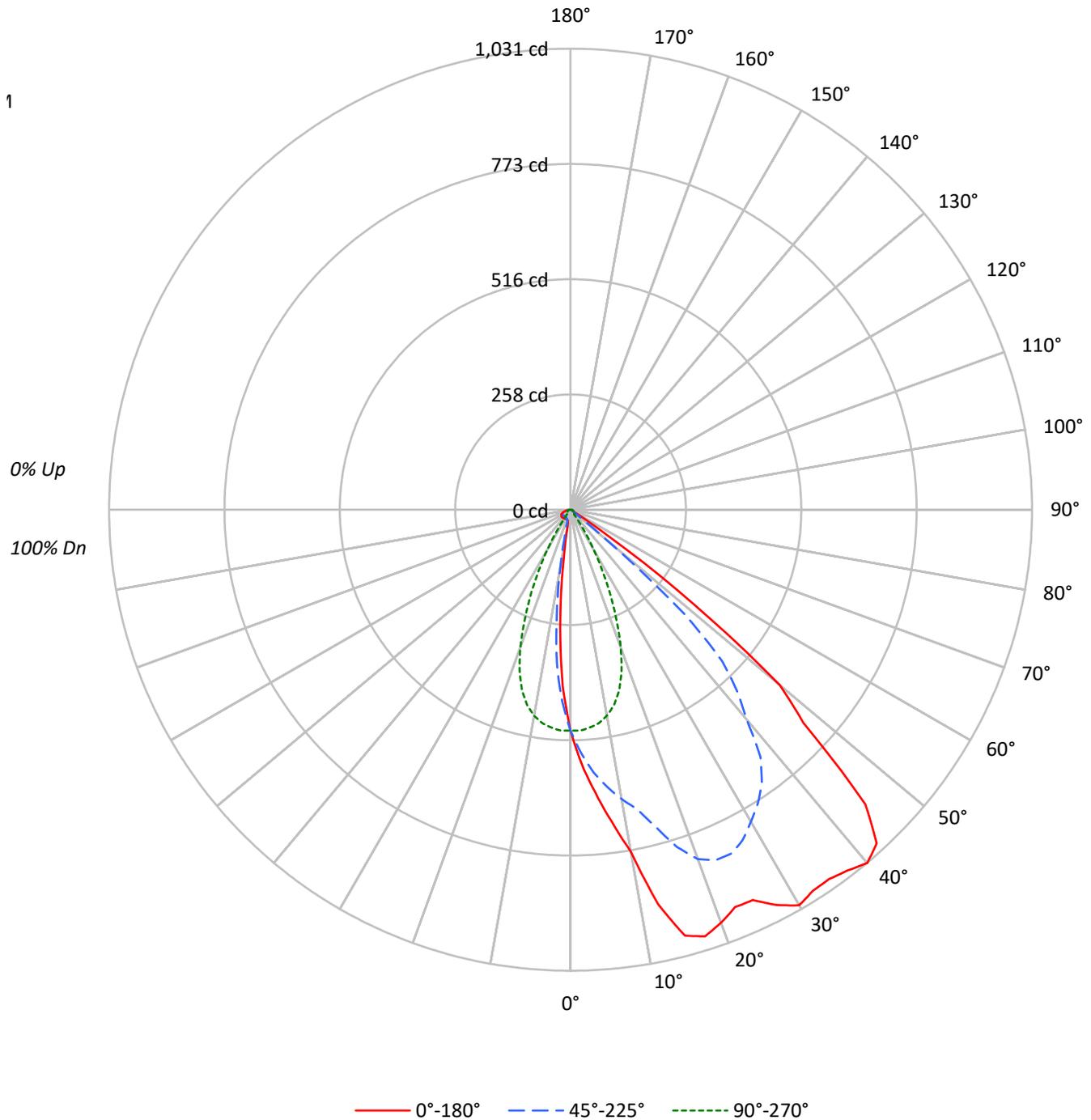
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 802.0 lumens
Efficiency: N/A
Efficacy: 55.3 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	112	109	106	103	109	106	104	101	102	100	98	99	97	95	95	94	92	90
2	105	99	94	89	102	97	92	88	94	90	86	90	87	85	88	85	83	81
3	98	90	84	79	96	88	83	78	85	81	77	83	79	75	81	77	74	72
4	91	82	75	70	89	80	74	69	78	73	68	76	71	67	74	70	67	65
5	85	75	67	62	83	74	67	62	72	66	61	70	65	61	68	64	60	58
6	79	68	61	56	78	67	61	55	66	60	55	64	59	55	63	58	54	52
7	74	63	55	50	73	62	55	50	61	54	50	59	54	49	58	53	49	47
8	70	58	51	46	68	57	50	45	56	50	45	55	49	45	54	49	45	43
9	65	54	46	42	64	53	46	42	52	46	41	51	45	41	50	45	41	39
10	61	50	43	38	60	49	43	38	48	42	38	47	42	38	47	41	38	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	85026	85026	85026	85026	85026
5°	109831	101965	84556	60214	45952
10°	135724	114931	81826	22769	6750
15°	175784	130817	74653	4992	4457
20°	180123	152375	60096	4160	4307
25°	183015	161295	40286	4029	4314
30°	203121	160206	20781	4057	4514
35°	211885	156654	5740	4289	4941
40°	231858	137388	2720	4586	5441
45°	226827	116738	2777	4969	6089
50°	163518	28803	3054	5466	6698
55°	31377	1832	3183	5915	7507
60°	1550	1826	3134	6269	8094
65°	1549	1834	3097	6479	8639
70°	1511	1913	3072	6496	8762
75°	1530	1996	2994	6521	9050
80°	793	2281	2975	6744	9025
85°	1581	1581	2964	5928	8892

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 226827 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.9	5.4
10°-20°	118.5	14.8
20°-30°	182.4	22.7
30°-40°	214.1	26.7
40°-50°	171.6	21.4
50°-60°	53.3	6.6
60°-70°	10.1	1.3
70°-80°	6.7	0.8
80°-90°	2.3	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°	343.9	42.9
0°-40°	557.9	69.6
0°-60°	782.9	97.6
0°-90°	802.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	802.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	494	494	494	494	494	
5°	635	590	489	348	266	65
15°	986	734	419	28	25	270
25°	963	849	212	21	23	455
35°	1008	745	27	20	24	638
45°	931	479	11	20	25	666
55°	104	6	11	20	25	165
65°	4	4	8	16	21	4
75°	2	3	4	10	14	2
85°	1	1	2	3	4	1
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°	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7
2.5°	569.4	563.3	563.3	561.1	558.8	559.6	553.5	555.8	549.7	545.2	541.4
5°	635.3	627.7	627.0	623.2	619.4	616.4	608.8	604.2	595.1	589.8	578.5
7.5°	703.4	697.4	693.6	689.0	682.2	674.7	661.8	653.5	639.1	624.7	610.3
10°	776.1	770.8	762.5	757.2	738.3	726.1	708.7	697.4	676.2	657.2	635.3
12.5°	903.3	900.3	884.4	873.8	846.5	822.3	784.4	754.2	716.3	685.3	655.7
15°	985.9	982.1	973.7	963.9	946.5	919.2	885.2	842.8	789.7	733.7	683.7
17.5°	1000.2	1001.0	995.7	993.4	982.1	964.7	937.4	905.6	852.6	790.5	722.4
20°	982.8	988.9	987.4	991.9	994.2	987.4	969.2	938.2	892.0	831.4	754.9
22.5°	961.6	966.9	965.4	973.7	986.6	993.4	987.4	962.4	915.4	848.1	773.1
25°	963.1	966.9	955.6	960.9	977.5	994.2	994.9	973.0	922.3	848.8	771.6
27.5°	996.5	985.1	959.4	957.1	977.5	998.7	1000.2	973.0	912.4	832.9	756.4
30°	1021.4	1013.1	984.3	980.6	1000.2	1014.6	1007.1	964.7	888.9	805.6	734.5
32.5°	1009.3	1010.8	998.7	1010.8	1036.6	1042.6	1010.8	945.0	856.4	779.1	708.7
35°	1007.8	1013.9	1020.7	1039.6	1057.0	1042.6	991.9	907.9	821.5	745.1	668.6
37.5°	1016.9	1026.7	1036.6	1053.2	1053.2	1016.1	941.9	860.9	779.9	696.6	585.3
40°	1031.3	1037.3	1040.4	1038.9	1018.4	963.9	885.2	804.1	726.9	611.1	530.0
42.5°	1012.4	1011.6	1008.6	995.7	957.8	886.7	813.2	747.3	625.4	551.2	458.9
45°	931.3	931.3	923.0	902.6	867.7	808.7	743.6	647.4	570.2	479.3	340.7
47.5°	704.9	699.6	708.7	720.8	720.8	715.5	656.5	573.2	494.4	346.0	109.0
50°	610.3	602.0	590.6	592.9	591.4	597.4	559.6	496.7	365.7	107.5	7.6
52.5°	345.3	360.4	397.5	449.8	473.2	481.6	458.1	377.8	123.4	6.8	6.1
55°	104.5	107.5	121.9	149.9	203.7	260.5	264.3	122.7	8.3	6.1	6.1
57.5°	4.5	4.5	6.1	9.1	21.2	31.8	34.1	7.6	5.3	6.1	6.1
60°	4.5	4.5	4.5	4.5	4.5	4.5	5.3	5.3	5.3	5.3	6.1
62.5°	3.8	3.8	4.5	4.5	4.5	4.5	4.5	4.5	5.3	5.3	5.3
65°	3.8	3.8	3.8	3.8	3.8	3.8	4.5	4.5	4.5	4.5	5.3
67.5°	3.0	3.0	3.0	3.8	3.8	3.8	3.8	3.8	4.5	4.5	4.5
70°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.8	3.8	3.8	3.8
72.5°	2.3	2.3	2.3	2.3	2.3	3.0	3.0	3.0	3.0	3.0	3.8
75°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	3.0	3.0	3.0	3.0
77.5°	1.5	1.5	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3
80°	0.8	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5	1.5	1.5	1.5
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	493.7	493.7	493.7	493.7	493.7	493.7	493.7	493.7
2.5°	536.1	530.0	523.2	494.4	466.4	428.6	402.8	395.3
5°	568.6	558.8	543.7	489.1	423.3	348.3	287.7	265.8
7.5°	595.9	580.8	559.6	481.6	371.8	236.2	152.2	128.7
10°	615.6	596.7	569.4	467.9	303.6	130.2	51.5	38.6
12.5°	632.3	607.3	574.7	447.5	221.1	53.0	26.5	26.5
15°	643.6	613.3	577.0	418.7	143.1	28.0	25.0	25.0
17.5°	659.5	620.1	577.0	378.6	78.0	24.2	24.2	24.2
20°	685.3	627.0	568.6	327.9	43.2	22.7	23.5	23.5
22.5°	698.9	636.8	558.0	268.8	27.3	22.0	22.7	22.7
25°	701.9	635.3	535.3	212.0	22.0	21.2	22.0	22.7
27.5°	691.3	624.7	505.0	154.5	19.7	20.4	22.0	22.7
30°	672.4	598.9	456.6	104.5	18.2	20.4	22.0	22.7
32.5°	636.8	536.8	399.8	62.8	17.4	20.4	22.0	23.5
35°	557.3	471.7	334.7	27.3	16.7	20.4	22.7	23.5
37.5°	499.7	406.6	259.0	13.6	16.7	20.4	22.7	24.2
40°	436.1	327.1	119.6	12.1	16.7	20.4	22.7	24.2
42.5°	332.4	151.4	14.4	12.1	15.9	20.4	23.5	24.2
45°	121.2	15.9	7.6	11.4	15.9	20.4	23.5	25.0
47.5°	9.1	6.1	6.8	11.4	15.9	20.4	23.5	25.0
50°	6.1	6.1	6.8	11.4	15.9	20.4	23.5	25.0
52.5°	6.1	6.8	6.8	10.6	15.1	20.4	23.5	25.0
55°	6.1	6.8	6.8	10.6	15.1	19.7	23.5	25.0
57.5°	6.1	6.1	6.8	9.8	14.4	18.9	23.5	24.2
60°	6.1	6.1	6.8	9.1	13.6	18.2	22.0	23.5
62.5°	6.1	6.1	6.1	8.3	12.9	17.4	21.2	22.7
65°	5.3	5.3	6.1	7.6	11.4	15.9	19.7	21.2
67.5°	4.5	5.3	5.3	6.8	10.6	14.4	18.2	19.7
70°	4.5	4.5	4.5	6.1	9.1	12.9	16.7	17.4
72.5°	3.8	3.8	4.5	5.3	8.3	11.4	15.1	15.9
75°	3.0	3.8	3.8	4.5	6.8	9.8	12.9	13.6
77.5°	3.0	3.0	3.0	3.8	6.1	8.3	10.6	11.4
80°	2.3	2.3	2.3	3.0	4.5	6.8	8.3	9.1
82.5°	1.5	2.3	2.3	2.3	3.8	4.5	6.1	6.8
85°	1.5	1.5	1.5	1.5	2.3	3.0	3.8	4.5
87.5°	0.8	0.8	1.5	1.5	1.5	1.5	1.5	2.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)