

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: P1309323

Luminaire Tested: LDSQA3D13R709030DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R709030DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

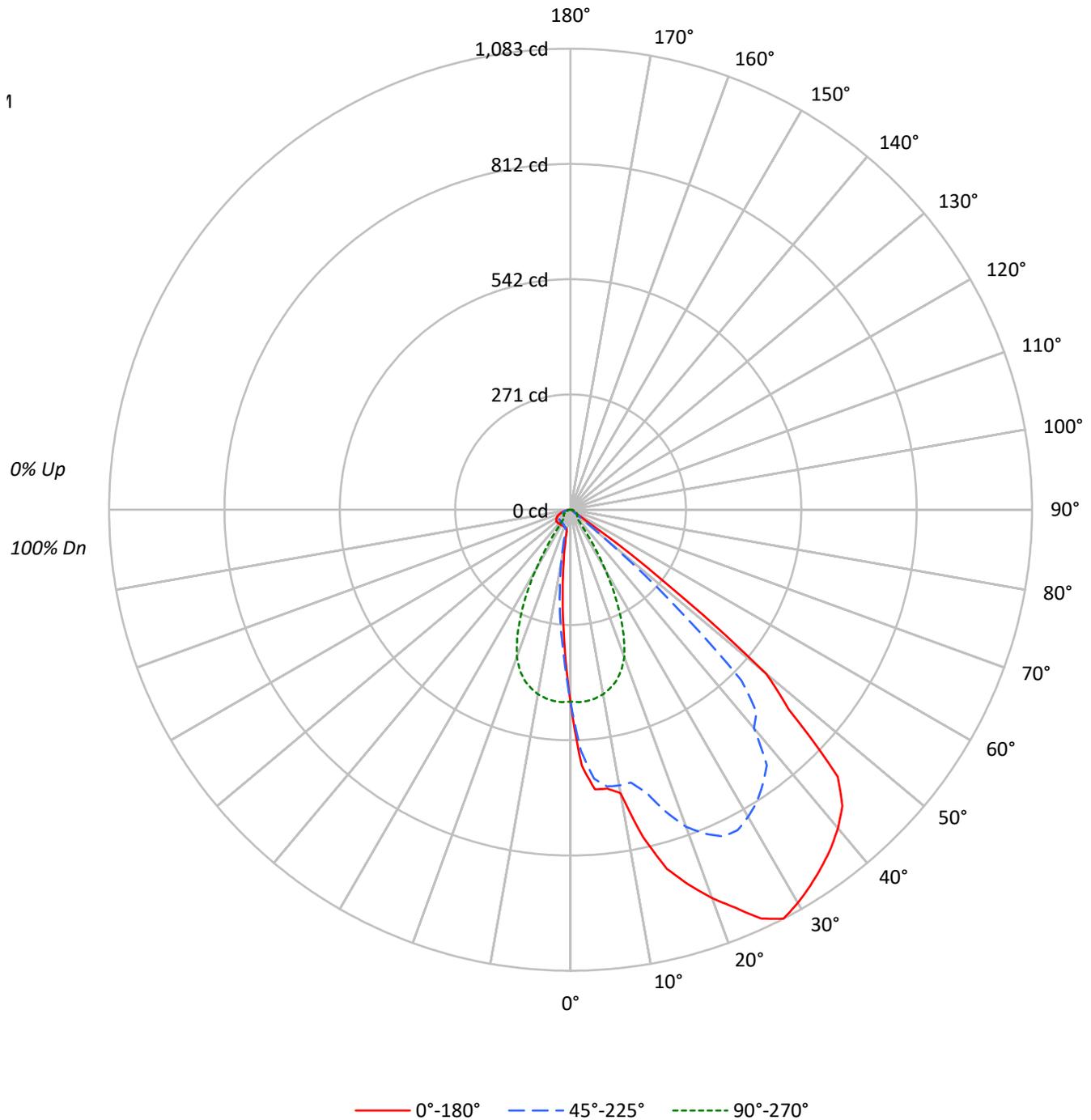
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 856.0 lumens
Efficiency: N/A
Efficacy: 58.6 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	108	105	102	109	106	103	101	102	100	98	98	96	95	95	93	92	92	92	92	90
2	104	98	93	89	102	96	92	88	93	89	86	90	87	84	87	84	82	82	82	82	80
3	97	89	83	78	95	87	82	77	85	80	76	82	78	74	80	76	73	73	73	73	71
4	90	81	74	68	88	80	73	68	77	72	67	75	70	66	73	69	65	65	65	65	64
5	84	74	66	61	82	73	66	61	71	65	60	69	64	59	67	62	59	59	59	59	57
6	79	67	60	54	77	66	59	54	65	58	54	63	58	53	62	57	53	53	53	53	51
7	73	62	54	49	72	61	54	49	60	53	48	58	52	48	57	52	48	48	48	48	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	43	43	43	42
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	44	40	40	40	40	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	36	36	36	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	77621	77621	77621	77621	77621
5°	114015	109658	77917	46505	36443
10°	118219	115001	76947	22245	9006
15°	155690	122616	74118	7970	7792
20°	177832	145264	67464	7661	7826
25°	201371	160953	52979	7392	7753
30°	212090	165735	32833	7338	8313
35°	215648	165400	10828	7548	8788
40°	219470	150450	5238	8071	9600
45°	215989	138147	5431	8525	10400
50°	160571	25507	5466	9378	11441
55°	12821	3513	5825	9909	12251
60°	2687	3686	5683	10023	12710
65°	2771	3545	5542	9903	13081
70°	2467	3424	5388	9316	12740
75°	1930	3261	4525	9050	12310
80°	1884	2876	4860	8629	11604
85°	1976	3754	5730	7707	9683

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 218595 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.0	4.8
10°-20°	115.3	13.5
20°-30°	193.6	22.6
30°-40°	232.9	27.2
40°-50°	184.6	21.6
50°-60°	59.1	6.9
60°-70°	16.5	1.9
70°-80°	9.8	1.1
80°-90°	3.1	0.4
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°	350.0	40.9
0°-40°	582.9	68.1
0°-60°	826.6	96.6
0°-90°	856.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	856.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	451	451	451	451	451	
5°	660	634	451	269	211	62
15°	873	688	416	45	44	246
25°	1060	847	279	39	41	484
35°	1026	787	52	36	42	642
45°	887	567	22	35	43	637
55°	43	12	19	33	41	134
65°	7	9	14	24	32	7
75°	3	5	7	14	18	3
85°	1	2	3	4	5	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°	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7
2.5°	601.2	605.1	605.1	600.3	602.2	594.4	588.6	579.9	577.9	567.2	553.6
5°	659.5	657.6	657.6	653.7	655.6	652.7	649.8	647.9	642.0	634.3	626.5
7.5°	660.5	662.4	663.4	662.4	666.3	663.4	663.4	663.4	659.5	655.6	647.9
10°	676.0	673.1	670.2	663.4	659.5	656.6	656.6	657.6	659.5	657.6	652.7
12.5°	787.7	777.0	772.2	755.7	743.0	721.7	697.4	678.9	662.4	656.6	652.7
15°	873.2	871.3	861.5	846.0	830.5	805.2	777.0	748.9	718.8	687.7	665.3
17.5°	923.7	919.8	910.1	893.6	875.1	851.8	829.5	808.1	779.0	744.0	708.1
20°	970.3	961.6	949.0	929.5	911.1	888.7	864.5	844.1	819.8	792.6	750.8
22.5°	1012.1	1004.3	983.9	957.7	939.2	917.9	896.5	877.1	854.7	823.7	785.8
25°	1059.7	1042.2	1009.2	975.2	952.8	935.4	919.8	904.3	881.0	847.0	802.3
27.5°	1083.0	1058.7	1022.8	988.8	967.4	949.0	932.4	916.9	890.7	848.9	797.4
30°	1066.5	1052.9	1027.6	1001.4	983.9	966.4	947.0	923.7	881.9	833.4	785.8
32.5°	1047.1	1040.3	1028.6	1013.1	1002.4	984.9	957.7	919.8	861.5	813.9	762.5
35°	1025.7	1022.8	1018.9	1012.1	1005.3	988.8	954.8	899.4	841.1	786.7	737.2
37.5°	1003.3	1000.4	1003.3	1002.4	996.5	975.2	923.7	872.2	812.0	756.6	660.5
40°	976.2	974.2	979.1	983.9	977.1	949.0	893.6	831.4	778.0	669.2	636.2
42.5°	944.1	943.1	951.9	955.8	946.0	904.3	839.2	793.5	680.9	645.9	568.2
45°	886.8	888.7	892.6	897.5	891.6	846.0	786.7	703.2	653.7	567.2	323.4
47.5°	694.5	696.4	715.8	756.6	784.8	769.3	718.8	656.6	584.7	324.4	102.0
50°	599.3	597.3	598.3	608.0	630.4	651.7	636.2	602.2	348.7	95.2	12.6
52.5°	263.2	292.4	323.4	410.9	467.2	526.4	538.1	376.9	113.6	12.6	12.6
55°	42.7	44.7	56.3	82.6	148.6	224.4	272.0	126.3	11.7	11.7	11.7
57.5°	8.7	8.7	8.7	9.7	14.6	31.1	35.9	10.7	10.7	10.7	11.7
60°	7.8	7.8	7.8	7.8	8.7	8.7	8.7	9.7	9.7	10.7	10.7
62.5°	7.8	7.8	7.8	7.8	7.8	7.8	8.7	8.7	9.7	9.7	10.7
65°	6.8	6.8	6.8	6.8	7.8	7.8	7.8	7.8	8.7	8.7	9.7
67.5°	5.8	5.8	5.8	5.8	6.8	6.8	6.8	7.8	7.8	7.8	8.7
70°	4.9	4.9	4.9	4.9	5.8	5.8	5.8	5.8	6.8	6.8	6.8
72.5°	3.9	3.9	3.9	3.9	4.9	4.9	4.9	4.9	5.8	5.8	5.8
75°	2.9	2.9	3.9	3.9	3.9	3.9	3.9	3.9	4.9	4.9	4.9
77.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	3.9	3.9	3.9	3.9
80°	1.9	1.9	1.9	1.9	1.9	1.9	2.9	2.9	2.9	2.9	2.9
82.5°	1.0	1.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
85°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.9	1.9	1.9	1.9
87.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7
2.5°	544.9	531.3	512.8	452.6	397.3	346.8	321.5	318.6
5°	613.9	601.2	570.2	450.7	344.8	269.0	223.4	210.8
7.5°	640.1	629.4	602.2	446.8	295.3	193.3	141.8	122.4
10°	646.9	640.1	616.8	440.0	243.8	127.2	67.0	51.5
12.5°	649.8	644.9	622.6	429.3	192.3	66.0	45.7	45.7
15°	654.7	649.8	628.4	415.7	141.8	44.7	43.7	43.7
17.5°	676.0	660.5	636.2	395.3	93.2	42.7	42.7	42.7
20°	711.0	677.0	640.1	368.1	58.3	41.8	41.8	42.7
22.5°	740.1	694.5	639.1	327.3	42.7	39.8	40.8	41.8
25°	752.8	702.2	630.4	278.8	36.9	38.9	40.8	40.8
27.5°	750.8	705.2	622.6	223.4	35.0	37.9	39.8	41.8
30°	740.1	697.4	605.1	165.1	33.0	36.9	39.8	41.8
32.5°	721.7	667.3	570.2	106.8	32.1	36.9	39.8	41.8
35°	661.5	618.7	519.6	51.5	31.1	35.9	40.8	41.8
37.5°	626.5	567.2	396.3	25.3	30.1	35.9	40.8	41.8
40°	570.2	423.5	178.7	23.3	30.1	35.9	40.8	42.7
42.5°	358.4	173.9	29.1	22.3	29.1	35.9	40.8	42.7
45°	131.1	23.3	15.5	22.3	29.1	35.0	40.8	42.7
47.5°	13.6	13.6	14.6	21.4	28.2	35.0	40.8	42.7
50°	12.6	13.6	14.6	20.4	27.2	35.0	39.8	42.7
52.5°	12.6	13.6	14.6	20.4	26.2	34.0	39.8	42.7
55°	12.6	13.6	13.6	19.4	25.3	33.0	38.9	40.8
57.5°	11.7	12.6	13.6	18.5	24.3	31.1	37.9	39.8
60°	11.7	12.6	13.6	16.5	23.3	29.1	35.9	36.9
62.5°	10.7	11.7	12.6	15.5	21.4	27.2	33.0	35.0
65°	10.7	10.7	11.7	13.6	19.4	24.3	30.1	32.1
67.5°	8.7	9.7	9.7	11.7	16.5	21.4	27.2	29.1
70°	7.8	7.8	8.7	10.7	14.6	18.5	23.3	25.3
72.5°	6.8	6.8	6.8	8.7	12.6	16.5	20.4	22.3
75°	5.8	5.8	5.8	6.8	10.7	13.6	17.5	18.5
77.5°	4.9	4.9	4.9	5.8	8.7	11.7	13.6	15.5
80°	3.9	3.9	3.9	4.9	6.8	8.7	10.7	11.7
82.5°	2.9	2.9	2.9	3.9	4.9	5.8	7.8	7.8
85°	1.9	1.9	1.9	2.9	2.9	3.9	4.9	4.9
87.5°	1.0	1.0	1.0	1.9	1.9	1.9	1.9	1.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)