

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: P1313586

Luminaire Tested: LDSQA3D09R709727DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313586
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: LDSQA3D09R709727DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

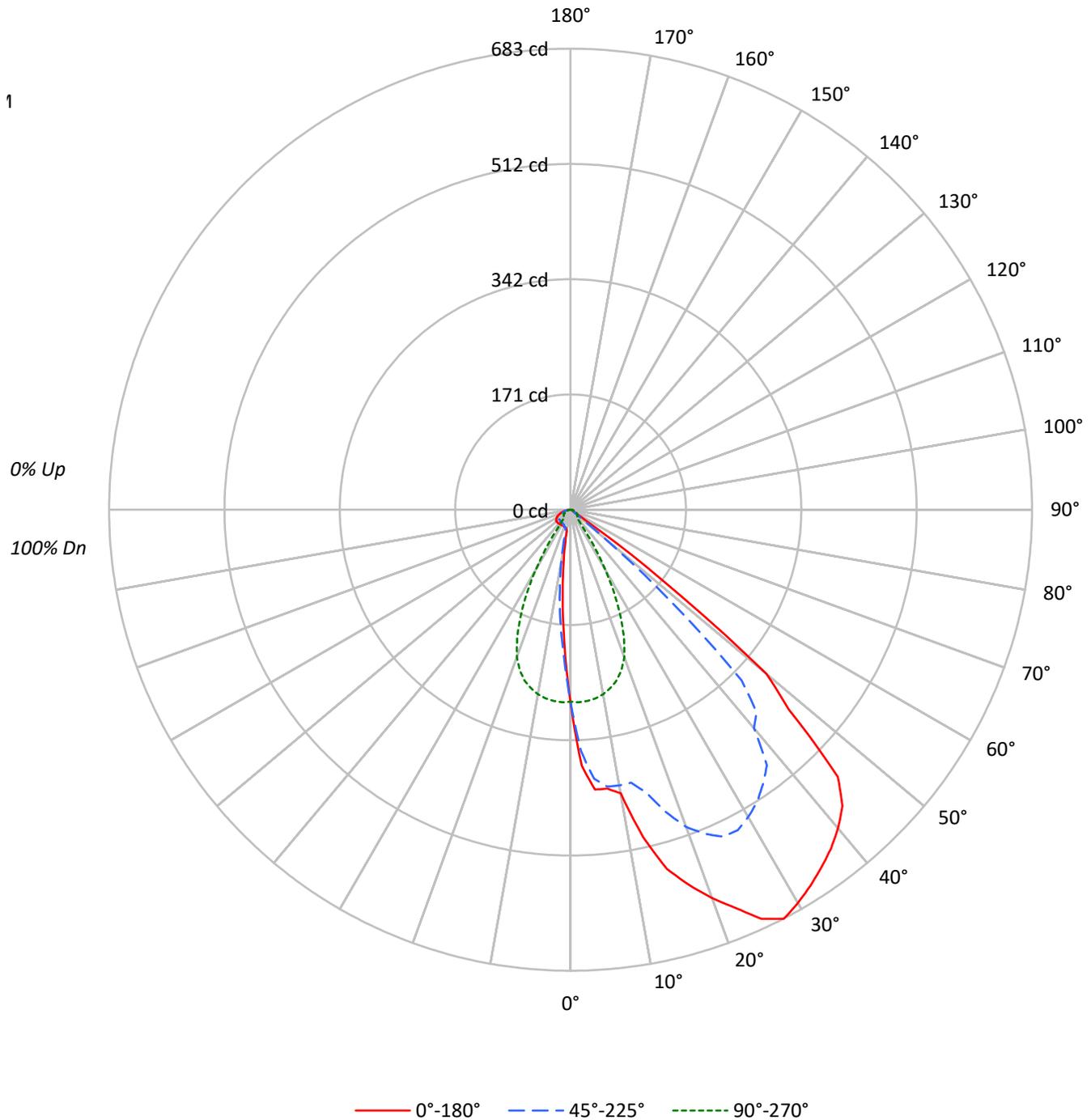
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 540.0 lumens
Efficiency: N/A
Efficacy: 48.6 lumens/watt
Spacing Criteria (0/90/45): 1.7 / 0.89 / 1.39
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	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°	48963	48963	48963	48963	48963
5°	71918	69169	49150	29338	22993
10°	74586	72540	48547	14043	5684
15°	98207	77346	46750	5028	4921
20°	112183	91638	42557	4820	4948
25°	127033	101531	33426	4656	4884
30°	133797	104544	20722	4634	5230
35°	136029	104345	6833	4773	5529
40°	138445	94919	3305	5103	6070
45°	136247	87146	3434	5383	6576
50°	101305	16076	3456	5921	7234
55°	8107	2222	3693	6245	7717
60°	1688	2308	3582	6338	8026
65°	1752	2241	3505	6235	8232
70°	1561	2165	3374	5841	8006
75°	1198	2063	2861	5723	7719
80°	1190	1785	3075	5455	7339
85°	1186	2371	3557	4940	6126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 137903 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.9	4.8
10°-20°	72.8	13.5
20°-30°	122.2	22.6
30°-40°	146.9	27.2
40°-50°	116.5	21.6
50°-60°	37.3	6.9
60°-70°	10.4	1.9
70°-80°	6.2	1.2
80°-90°	1.9	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°	220.8	40.9
0°-40°	367.7	68.1
0°-60°	521.4	96.6
0°-90°	540.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	540.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	284	284	284	284	284	
5°	416	400	284	170	133	39
15°	551	434	262	28	28	155
25°	668	534	176	24	26	306
35°	647	496	32	23	26	405
45°	559	358	14	22	27	402
55°	27	7	12	21	26	84
65°	4	6	9	15	20	4
75°	2	3	4	9	12	2
85°	1	1	2	2	3	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°	284.3	284.3	284.3	284.3	284.3	284.3	284.3	284.3	284.3	284.3	284.3
2.5°	379.3	381.7	381.7	378.7	379.9	375.0	371.3	365.8	364.6	357.8	349.3
5°	416.0	414.8	414.8	412.4	413.6	411.8	409.9	408.7	405.0	400.1	395.2
7.5°	416.7	417.9	418.5	417.9	420.3	418.5	418.5	418.5	416.0	413.6	408.7
10°	426.5	424.6	422.8	418.5	416.0	414.2	414.2	414.8	416.0	414.8	411.8
12.5°	496.9	490.2	487.1	476.7	468.7	455.3	439.9	428.3	417.9	414.2	411.8
15°	550.8	549.6	543.5	533.7	523.9	508.0	490.2	472.4	453.4	433.8	419.7
17.5°	582.7	580.3	574.1	563.7	552.1	537.4	523.3	509.8	491.4	469.4	446.7
20°	612.1	606.6	598.6	586.4	574.7	560.7	545.3	532.5	517.1	500.0	473.6
22.5°	638.5	633.6	620.7	604.2	592.5	579.0	565.6	553.3	539.2	519.6	495.7
25°	668.5	657.5	636.6	615.2	601.1	590.1	580.3	570.5	555.7	534.3	506.1
27.5°	683.2	667.9	645.2	623.8	610.3	598.6	588.2	578.4	561.9	535.5	503.1
30°	672.8	664.2	648.3	631.7	620.7	609.7	597.4	582.7	556.4	525.7	495.7
32.5°	660.5	656.2	648.9	639.1	632.3	621.3	604.2	580.3	543.5	513.5	481.0
35°	647.0	645.2	642.8	638.5	634.2	623.8	602.3	567.4	530.6	496.3	465.1
37.5°	633.0	631.1	633.0	632.3	628.7	615.2	582.7	550.2	512.2	477.3	416.7
40°	615.8	614.6	617.6	620.7	616.4	598.6	563.7	524.5	490.8	422.2	401.3
42.5°	595.6	595.0	600.5	602.9	596.8	570.5	529.4	500.6	429.5	407.5	358.4
45°	559.4	560.7	563.1	566.2	562.5	533.7	496.3	443.6	412.4	357.8	204.0
47.5°	438.1	439.3	451.6	477.3	495.1	485.3	453.4	414.2	368.9	204.7	64.3
50°	378.1	376.8	377.4	383.6	397.7	411.1	401.3	379.9	220.0	60.0	8.0
52.5°	166.1	184.4	204.0	259.2	294.7	332.1	339.5	237.7	71.7	8.0	8.0
55°	27.0	28.2	35.5	52.1	93.7	141.5	171.6	79.7	7.4	7.4	7.4
57.5°	5.5	5.5	5.5	6.1	9.2	19.6	22.7	6.7	6.7	6.7	7.4
60°	4.9	4.9	4.9	4.9	5.5	5.5	5.5	6.1	6.1	6.7	6.7
62.5°	4.9	4.9	4.9	4.9	4.9	4.9	5.5	5.5	6.1	6.1	6.7
65°	4.3	4.3	4.3	4.3	4.9	4.9	4.9	4.9	5.5	5.5	6.1
67.5°	3.7	3.7	3.7	3.7	4.3	4.3	4.3	4.9	4.9	4.9	5.5
70°	3.1	3.1	3.1	3.1	3.7	3.7	3.7	3.7	4.3	4.3	4.3
72.5°	2.5	2.5	2.5	2.5	3.1	3.1	3.1	3.1	3.7	3.7	3.7
75°	1.8	1.8	2.5	2.5	2.5	2.5	2.5	2.5	3.1	3.1	3.1
77.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.5	2.5	2.5	2.5
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.8	1.8	1.8	1.8	1.8
82.5°	0.6	0.6	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
85°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.2	1.2	1.2	1.2
87.5°	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6
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°	284.3	284.3	284.3	284.3	284.3	284.3	284.3	284.3
2.5°	343.7	335.2	323.5	285.5	250.6	218.7	202.8	201.0
5°	387.2	379.3	359.7	284.3	217.5	169.7	140.9	133.0
7.5°	403.8	397.1	379.9	281.9	186.3	121.9	89.5	77.2
10°	408.1	403.8	389.1	277.6	153.8	80.3	42.3	32.5
12.5°	409.9	406.9	392.8	270.8	121.3	41.7	28.8	28.8
15°	413.0	409.9	396.4	262.2	89.5	28.2	27.6	27.6
17.5°	426.5	416.7	401.3	249.4	58.8	27.0	27.0	27.0
20°	448.5	427.1	403.8	232.2	36.8	26.3	26.3	27.0
22.5°	466.9	438.1	403.2	206.5	27.0	25.1	25.7	26.3
25°	474.9	443.0	397.7	175.9	23.3	24.5	25.7	25.7
27.5°	473.6	444.8	392.8	140.9	22.1	23.9	25.1	26.3
30°	466.9	439.9	381.7	104.2	20.8	23.3	25.1	26.3
32.5°	455.3	420.9	359.7	67.4	20.2	23.3	25.1	26.3
35°	417.3	390.3	327.8	32.5	19.6	22.7	25.7	26.3
37.5°	395.2	357.8	250.0	15.9	19.0	22.7	25.7	26.3
40°	359.7	267.2	112.7	14.7	19.0	22.7	25.7	27.0
42.5°	226.1	109.7	18.4	14.1	18.4	22.7	25.7	27.0
45°	82.7	14.7	9.8	14.1	18.4	22.1	25.7	27.0
47.5°	8.6	8.6	9.2	13.5	17.8	22.1	25.7	27.0
50°	8.0	8.6	9.2	12.9	17.2	22.1	25.1	27.0
52.5°	8.0	8.6	9.2	12.9	16.5	21.4	25.1	27.0
55°	8.0	8.6	8.6	12.3	15.9	20.8	24.5	25.7
57.5°	7.4	8.0	8.6	11.6	15.3	19.6	23.9	25.1
60°	7.4	8.0	8.6	10.4	14.7	18.4	22.7	23.3
62.5°	6.7	7.4	8.0	9.8	13.5	17.2	20.8	22.1
65°	6.7	6.7	7.4	8.6	12.3	15.3	19.0	20.2
67.5°	5.5	6.1	6.1	7.4	10.4	13.5	17.2	18.4
70°	4.9	4.9	5.5	6.7	9.2	11.6	14.7	15.9
72.5°	4.3	4.3	4.3	5.5	8.0	10.4	12.9	14.1
75°	3.7	3.7	3.7	4.3	6.7	8.6	11.0	11.6
77.5°	3.1	3.1	3.1	3.7	5.5	7.4	8.6	9.8
80°	2.5	2.5	2.5	3.1	4.3	5.5	6.7	7.4
82.5°	1.8	1.8	1.8	2.5	3.1	3.7	4.9	4.9
85°	1.2	1.2	1.2	1.8	1.8	2.5	3.1	3.1
87.5°	0.6	0.6	0.6	1.2	1.2	1.2	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)