

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: P1323689

Luminaire Tested: LDSQA3D05R709030D2WDE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323689
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: LDSQA3D05R709030D2WDE010 3LSQCA30R 1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,
3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

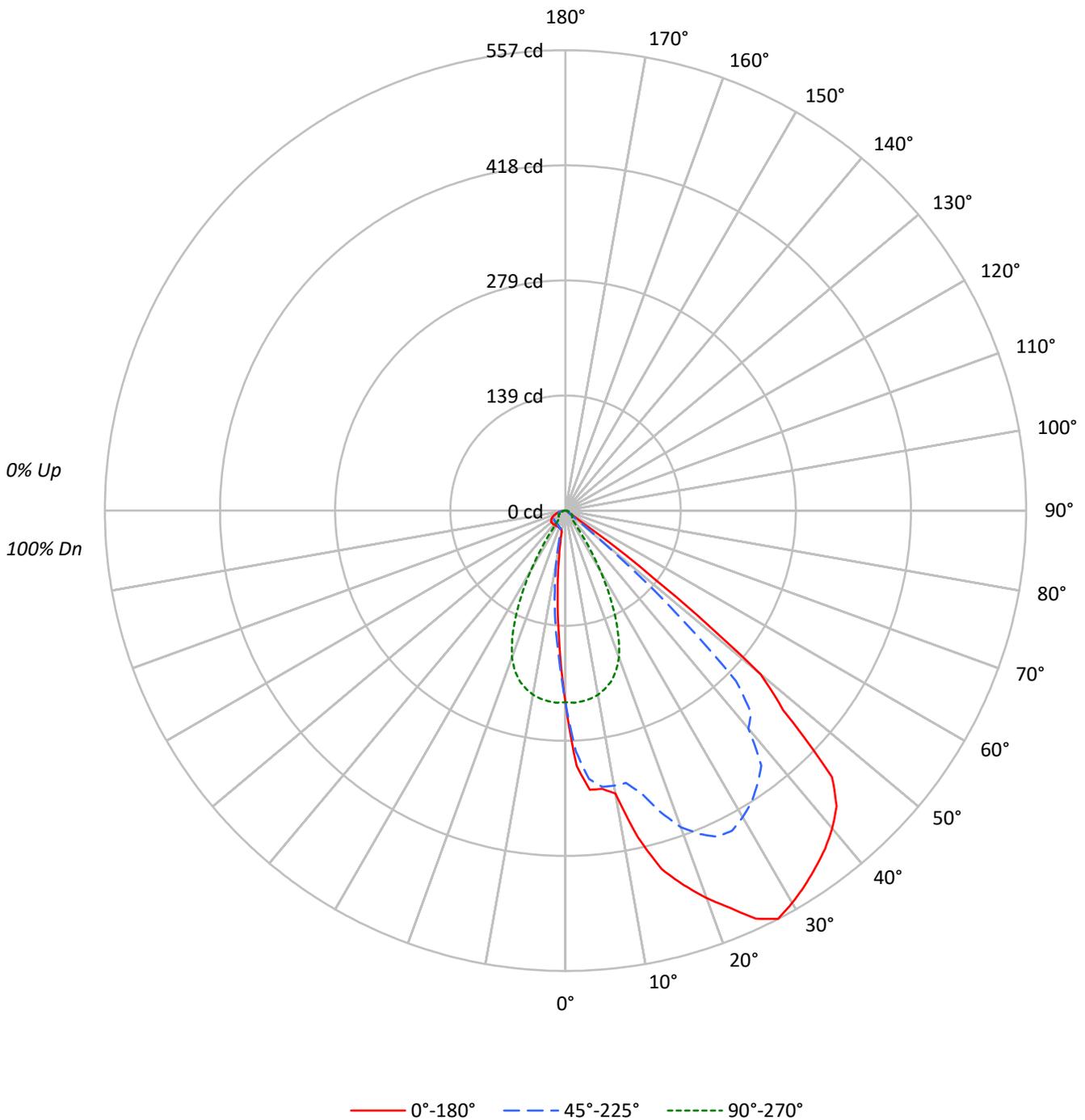
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 440.1 lumens
Efficiency: N/A
Efficacy: 39.6 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): 11.1
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

TEST NUMBER: P1323689
CATALOG NUMBER: LDSQA3D05R709030D2WDE010 3LSQCA30R 1MW

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	39904	39904	39904	39904	39904
5°	58606	56359	40056	23909	18723
10°	60771	59109	39558	11437	4634
15°	80020	63028	38102	4101	4012
20°	91418	74666	34676	3940	4032
25°	103508	82738	27231	3801	3991
30°	109018	85194	16884	3778	4276
35°	110841	85023	5571	3890	4520
40°	112815	77338	2698	4159	4946
45°	111014	71022	2801	4384	5358
50°	82523	13102	2813	4823	5894
55°	6606	1802	3003	5104	6305
60°	1378	1894	2928	5167	6544
65°	1426	1834	2853	5094	6724
70°	1259	1762	2769	4784	6546
75°	998	1664	2329	4658	6321
80°	992	1488	2479	4463	5951
85°	988	1976	2964	3952	4940

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 112354 cd/sqm



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CATALOG NUMBER: LDSQA3D05R709030D2WDE010 3LSQCA30R 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.1	4.8
10°-20°	59.3	13.5
20°-30°	99.5	22.6
30°-40°	119.7	27.2
40°-50°	94.9	21.6
50°-60°	30.4	6.9
60°-70°	8.5	1.9
70°-80°	5.1	1.2
80°-90°	1.6	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°	179.9	40.9
0°-40°	299.6	68.1
0°-60°	424.9	96.6
0°-90°	440.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	440.1	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	232	232	232	232	232	
5°	339	326	232	138	108	32
15°	449	354	214	23	22	126
25°	545	435	143	20	21	249
35°	527	404	26	18	22	330
45°	456	292	12	18	22	327
55°	22	6	10	17	21	69
65°	4	4	7	12	16	3
75°	2	2	4	7	10	2
85°	0	1	2	2	2	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°	231.7	231.7	231.7	231.7	231.7	231.7	231.7	231.7	231.7	231.7	231.7
2.5°	309.0	311.0	311.0	308.5	309.5	305.5	302.6	298.1	297.1	291.6	284.6
5°	339.0	338.0	338.0	336.0	337.0	335.5	334.0	333.0	330.0	326.0	322.0
7.5°	339.5	340.5	341.0	340.5	342.5	341.0	341.0	341.0	339.0	337.0	333.0
10°	347.5	346.0	344.5	341.0	339.0	337.5	337.5	338.0	339.0	338.0	335.5
12.5°	404.9	399.4	396.9	388.4	381.9	371.0	358.5	349.0	340.5	337.5	335.5
15°	448.8	447.8	442.8	434.9	426.9	413.9	399.4	384.9	369.5	353.5	342.0
17.5°	474.8	472.8	467.8	459.3	449.8	437.9	426.4	415.4	400.4	382.4	364.0
20°	498.8	494.3	487.8	477.8	468.3	456.8	444.3	433.9	421.4	407.4	385.9
22.5°	520.2	516.2	505.8	492.3	482.8	471.8	460.8	450.8	439.4	423.4	403.9
25°	544.7	535.7	518.7	501.3	489.8	480.8	472.8	464.8	452.8	435.4	412.4
27.5°	556.7	544.2	525.7	508.3	497.3	487.8	479.3	471.3	457.8	436.4	409.9
30°	548.2	541.2	528.2	514.7	505.8	496.8	486.8	474.8	453.3	428.4	403.9
32.5°	538.2	534.7	528.7	520.7	515.2	506.3	492.3	472.8	442.8	418.4	391.9
35°	527.2	525.7	523.7	520.2	516.7	508.3	490.8	462.3	432.4	404.4	378.9
37.5°	515.7	514.2	515.7	515.2	512.2	501.3	474.8	448.3	417.4	388.9	339.5
40°	501.8	500.8	503.3	505.8	502.3	487.8	459.3	427.4	399.9	344.0	327.0
42.5°	485.3	484.8	489.3	491.3	486.3	464.8	431.4	407.9	350.0	332.0	292.1
45°	455.8	456.8	458.8	461.3	458.3	434.9	404.4	361.5	336.0	291.6	166.3
47.5°	357.0	358.0	368.0	388.9	403.4	395.4	369.5	337.5	300.6	166.8	52.4
50°	308.0	307.0	307.5	312.5	324.0	335.0	327.0	309.5	179.2	48.9	6.5
52.5°	135.3	150.3	166.3	211.2	240.1	270.6	276.6	193.7	58.4	6.5	6.5
55°	22.0	23.0	29.0	42.4	76.4	115.3	139.8	64.9	6.0	6.0	6.0
57.5°	4.5	4.5	4.5	5.0	7.5	16.0	18.5	5.5	5.5	5.5	6.0
60°	4.0	4.0	4.0	4.0	4.5	4.5	4.5	5.0	5.0	5.5	5.5
62.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.5	4.5	5.0	5.0	5.5
65°	3.5	3.5	3.5	3.5	4.0	4.0	4.0	4.0	4.5	4.5	5.0
67.5°	3.0	3.0	3.0	3.0	3.5	3.5	3.5	4.0	4.0	4.0	4.5
70°	2.5	2.5	2.5	2.5	3.0	3.0	3.0	3.0	3.5	3.5	3.5
72.5°	2.0	2.0	2.0	2.0	2.5	2.5	2.5	2.5	3.0	3.0	3.0
75°	1.5	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.5	2.5	2.5
77.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.0	2.0	2.0	2.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.5	1.5	1.5	1.5	1.5
82.5°	0.5	0.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1323689

CATALOG NUMBER: LDSQA3D05R709030D2WDE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	231.7	231.7	231.7	231.7	231.7	231.7	231.7	231.7
2.5°	280.1	273.1	263.6	232.7	204.2	178.2	165.3	163.8
5°	315.5	309.0	293.1	231.7	177.2	138.3	114.8	108.3
7.5°	329.0	323.5	309.5	229.7	151.8	99.4	72.9	62.9
10°	332.5	329.0	317.0	226.2	125.3	65.4	34.4	26.5
12.5°	334.0	331.5	320.0	220.7	98.9	33.9	23.5	23.5
15°	336.5	334.0	323.0	213.7	72.9	23.0	22.5	22.5
17.5°	347.5	339.5	327.0	203.2	47.9	22.0	22.0	22.0
20°	365.5	348.0	329.0	189.2	30.0	21.5	21.5	22.0
22.5°	380.4	357.0	328.5	168.3	22.0	20.5	21.0	21.5
25°	386.9	361.0	324.0	143.3	19.0	20.0	21.0	21.0
27.5°	385.9	362.5	320.0	114.8	18.0	19.5	20.5	21.5
30°	380.4	358.5	311.0	84.9	17.0	19.0	20.5	21.5
32.5°	371.0	343.0	293.1	54.9	16.5	19.0	20.5	21.5
35°	340.0	318.0	267.1	26.5	16.0	18.5	21.0	21.5
37.5°	322.0	291.6	203.7	13.0	15.5	18.5	21.0	21.5
40°	293.1	217.7	91.9	12.0	15.5	18.5	21.0	22.0
42.5°	184.2	89.4	15.0	11.5	15.0	18.5	21.0	22.0
45°	67.4	12.0	8.0	11.5	15.0	18.0	21.0	22.0
47.5°	7.0	7.0	7.5	11.0	14.5	18.0	21.0	22.0
50°	6.5	7.0	7.5	10.5	14.0	18.0	20.5	22.0
52.5°	6.5	7.0	7.5	10.5	13.5	17.5	20.5	22.0
55°	6.5	7.0	7.0	10.0	13.0	17.0	20.0	21.0
57.5°	6.0	6.5	7.0	9.5	12.5	16.0	19.5	20.5
60°	6.0	6.5	7.0	8.5	12.0	15.0	18.5	19.0
62.5°	5.5	6.0	6.5	8.0	11.0	14.0	17.0	18.0
65°	5.5	5.5	6.0	7.0	10.0	12.5	15.5	16.5
67.5°	4.5	5.0	5.0	6.0	8.5	11.0	14.0	15.0
70°	4.0	4.0	4.5	5.5	7.5	9.5	12.0	13.0
72.5°	3.5	3.5	3.5	4.5	6.5	8.5	10.5	11.5
75°	3.0	3.0	3.0	3.5	5.5	7.0	9.0	9.5
77.5°	2.5	2.5	2.5	3.0	4.5	6.0	7.0	8.0
80°	2.0	2.0	2.0	2.5	3.5	4.5	5.5	6.0
82.5°	1.5	1.5	1.5	2.0	2.5	3.0	4.0	4.0
85°	1.0	1.0	1.0	1.5	1.5	2.0	2.5	2.5
87.5°	0.5	0.5	0.5	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

(END OF REPORT)