

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: P1318737

Luminaire Tested: LDSQA3D20R709830D010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318737
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R709830D010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 98CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

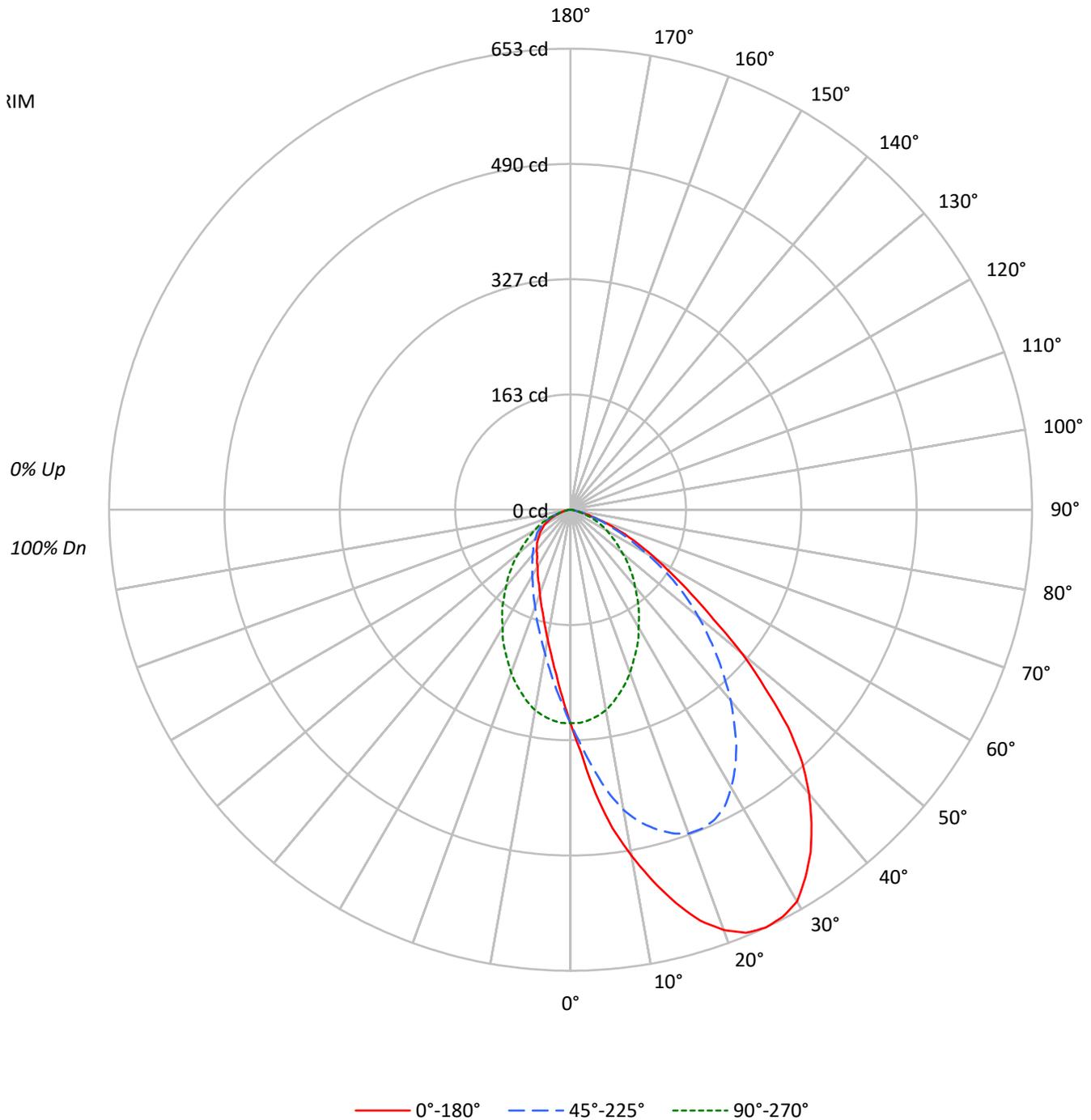
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 738.0 lumens
Efficiency: N/A
Efficacy: 26.9 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.4
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

TEST NUMBER: P1318737
CATALOG NUMBER: LDSQA3D20R709830D010 3LSQCLSWWR 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1318737

CATALOG NUMBER: LDSQA3D20R709830D010 3LSQCLSWWR 1MW

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		
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	88		
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	76		
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	66		
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	58		
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	51		
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	45		
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	40		
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	36		
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	33		
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	30		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°	135°	180°
0°	52046	52046	52046	52046	52046
5°	69654	63585	51709	43272	40368
10°	87003	75530	50435	36287	32563
15°	102842	83533	47891	31024	26941
20°	116068	89493	45031	26850	23221
25°	124106	91935	41768	23772	20580
30°	127453	90444	38242	21537	18514
35°	124486	85990	35300	19889	17324
40°	118031	79249	31902	18862	16817
45°	105924	71363	28984	18218	16343
50°	85041	63366	25748	17576	15540
55°	62785	54527	22910	17415	15133
60°	48360	42573	20494	16809	14708
65°	36676	31705	18053	15567	13040
70°	24573	22307	13847	13847	10776
75°	13175	13175	9116	9116	8118
80°	3075	6050	4562	6050	7538
85°	0	2964	2964	6126	6126

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 105924 cd/sqm



TEST NUMBER: P1318737

CATALOG NUMBER: LDSQA3D20R709830D010 3LSQCLSWWR 1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	29.8	4.0
10°-20°	90.6	12.3
20°-30°	139.6	18.9
30°-40°	158.4	21.5
40°-50°	143.4	19.4
50°-60°	100.3	13.6
60°-70°	55.1	7.5
70°-80°	18.4	2.5
80°-90°	2.4	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°	260.0	35.2
0°-40°	418.4	56.7
0°-60°	662.0	89.7
0°-90°	738.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	738.0	100.0

CANDELA DISTRIBUTION:

	0°	45°	90°	135°	180°	Flux
0°	302	302	302	302	302	
5°	403	368	299	250	234	41
15°	577	468	269	174	151	164
25°	653	484	220	125	108	300
35°	592	409	168	95	82	368
45°	435	293	119	75	67	330
55°	209	182	76	58	50	192
65°	90	78	44	38	32	90
75°	20	20	14	14	12	23
85°	0	2	2	3	3	1
90°	0	0	0	0	0	



TEST NUMBER: P1318737

CATALOG NUMBER: LDSQA3D20R709830D010 3LSQCLSWWR 1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	302.2	302.2	302.2	302.2	302.2	302.2	302.2	302.2	302.2	302.2	302.2
2.5°	344.9	347.9	349.5	346.4	344.9	343.4	340.3	338.8	335.7	332.7	331.2
5°	402.9	402.9	402.9	399.8	395.2	392.2	386.1	381.5	373.9	367.8	361.7
7.5°	454.8	454.8	453.2	448.7	445.6	438.0	430.3	424.2	412.0	402.9	390.7
10°	497.5	497.5	496.0	488.3	483.8	474.6	467.0	456.3	444.1	431.9	418.1
12.5°	538.7	538.7	532.6	526.5	517.3	505.1	494.4	483.8	467.0	453.2	436.5
15°	576.8	576.8	573.8	563.1	550.9	537.2	521.9	506.6	486.8	468.5	450.2
17.5°	610.4	608.9	604.3	592.1	579.9	563.1	544.8	526.5	502.1	480.7	457.8
20°	633.3	633.3	627.2	613.5	599.7	581.4	561.6	540.2	514.3	488.3	460.9
22.5°	648.6	647.0	640.9	627.2	610.4	592.1	569.2	546.3	517.3	488.3	459.3
25°	653.1	651.6	645.5	630.3	613.5	593.6	569.2	544.8	514.3	483.8	451.7
27.5°	650.1	648.6	642.5	625.7	608.9	586.0	561.6	535.6	505.1	473.1	441.0
30°	640.9	636.4	630.3	615.0	596.7	573.8	547.9	518.9	488.3	454.8	422.7
32.5°	618.1	618.1	610.4	595.2	576.8	552.4	526.5	499.0	465.4	433.4	399.8
35°	592.1	590.6	584.5	567.7	550.9	528.0	502.1	473.1	441.0	409.0	376.9
37.5°	560.1	558.5	552.4	537.2	518.9	497.5	470.0	442.6	412.0	380.0	351.0
40°	525.0	521.9	514.3	502.1	486.8	462.4	438.0	410.5	381.5	352.5	323.5
42.5°	485.3	482.2	476.1	467.0	448.7	427.3	404.4	378.5	351.0	322.0	300.6
45°	434.9	434.9	431.9	422.7	409.0	392.2	367.8	344.9	318.9	293.0	270.1
47.5°	372.4	375.4	373.9	369.3	363.2	347.9	331.2	311.3	286.9	264.0	242.6
50°	317.4	318.9	320.5	317.4	312.8	302.2	291.5	279.3	257.9	236.5	216.7
52.5°	254.9	259.4	259.4	261.0	261.0	257.9	254.9	241.1	230.4	209.1	190.8
55°	209.1	209.1	209.1	212.1	213.6	215.2	212.1	209.1	196.9	181.6	164.8
57.5°	170.9	170.9	174.0	172.4	172.4	175.5	175.5	174.0	166.3	152.6	137.3
60°	140.4	140.4	140.4	140.4	141.9	141.9	141.9	141.9	135.8	123.6	111.4
62.5°	112.9	112.9	112.9	114.5	114.5	114.5	116.0	114.5	108.3	99.2	88.5
65°	90.0	88.5	90.0	90.0	91.6	91.6	91.6	90.0	83.9	77.8	70.2
67.5°	67.1	68.7	68.7	68.7	70.2	71.7	70.2	68.7	64.1	58.0	54.9
70°	48.8	50.4	50.4	50.4	51.9	53.4	51.9	50.4	47.3	44.3	41.2
72.5°	32.0	33.6	33.6	35.1	36.6	36.6	35.1	35.1	33.6	30.5	29.0
75°	19.8	19.8	21.4	21.4	22.9	22.9	22.9	21.4	21.4	19.8	19.8
77.5°	9.2	9.2	10.7	10.7	10.7	12.2	12.2	12.2	12.2	12.2	10.7
80°	3.1	3.1	3.1	3.1	3.1	4.6	4.6	4.6	6.1	6.1	6.1
82.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.1	3.1	3.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5	1.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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: P1318737

CATALOG NUMBER: LDSQA3D20R709830D010 3LSQCLSWWR 1MW

CANDELA DISTRIBUTION (continued):

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	302.2	302.2	302.2	302.2	302.2	302.2	302.2	302.2
2.5°	328.1	323.5	317.4	302.2	286.9	274.7	267.1	265.5
5°	354.0	346.4	332.7	299.1	271.6	250.3	238.1	233.5
7.5°	380.0	366.3	346.4	294.5	253.3	227.4	213.6	207.5
10°	401.4	384.6	358.6	288.4	238.1	207.5	190.8	186.2
12.5°	418.1	398.3	366.3	279.3	222.8	189.2	172.4	167.9
15°	428.8	407.5	370.8	268.6	207.5	174.0	157.2	151.1
17.5°	433.4	407.5	369.3	257.9	193.8	160.2	143.4	138.9
20°	433.4	404.4	364.7	245.7	180.1	146.5	131.2	126.7
22.5°	428.8	398.3	354.0	232.0	167.9	135.8	120.6	116.0
25°	419.7	386.1	341.8	219.8	155.7	125.1	111.4	108.3
27.5°	405.9	372.4	326.6	207.5	145.0	116.0	103.8	100.7
30°	389.1	355.6	309.8	192.3	134.3	108.3	97.7	93.1
32.5°	367.8	335.7	291.5	180.1	125.1	100.7	91.6	88.5
35°	344.9	315.9	271.6	167.9	116.0	94.6	85.5	82.4
37.5°	322.0	291.5	254.9	154.1	108.3	88.5	80.9	77.8
40°	297.6	274.7	236.5	141.9	102.2	83.9	76.3	74.8
42.5°	273.2	248.7	210.6	131.2	94.6	77.8	71.7	70.2
45°	244.2	221.3	190.8	119.0	88.5	74.8	68.7	67.1
47.5°	219.8	198.4	170.9	108.3	82.4	70.2	64.1	62.6
50°	196.9	175.5	149.6	96.1	76.3	65.6	61.0	58.0
52.5°	170.9	152.6	129.7	85.5	70.2	61.0	56.5	54.9
55°	148.0	129.7	108.3	76.3	64.1	58.0	51.9	50.4
57.5°	122.1	106.8	91.6	67.1	58.0	51.9	48.8	45.8
60°	99.2	88.5	77.8	59.5	51.9	48.8	44.3	42.7
62.5°	80.9	73.3	65.6	51.9	45.8	42.7	39.7	36.6
65°	64.1	59.5	53.4	44.3	39.7	38.2	35.1	32.0
67.5°	50.4	47.3	42.7	35.1	33.6	32.0	29.0	25.9
70°	38.2	36.6	33.6	27.5	25.9	27.5	24.4	21.4
72.5°	27.5	25.9	24.4	19.8	19.8	19.8	18.3	15.3
75°	18.3	16.8	15.3	13.7	13.7	13.7	13.7	12.2
77.5°	10.7	10.7	9.2	7.6	9.2	9.2	10.7	10.7
80°	4.6	4.6	4.6	4.6	6.1	6.1	7.6	7.6
82.5°	3.1	3.1	3.1	3.1	4.6	4.6	4.6	4.6
85°	1.5	1.5	1.5	1.5	1.5	3.1	3.1	3.1
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)