

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: P1319611

Luminaire Tested: LDSQA3D20R709835D010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

**Test Information**

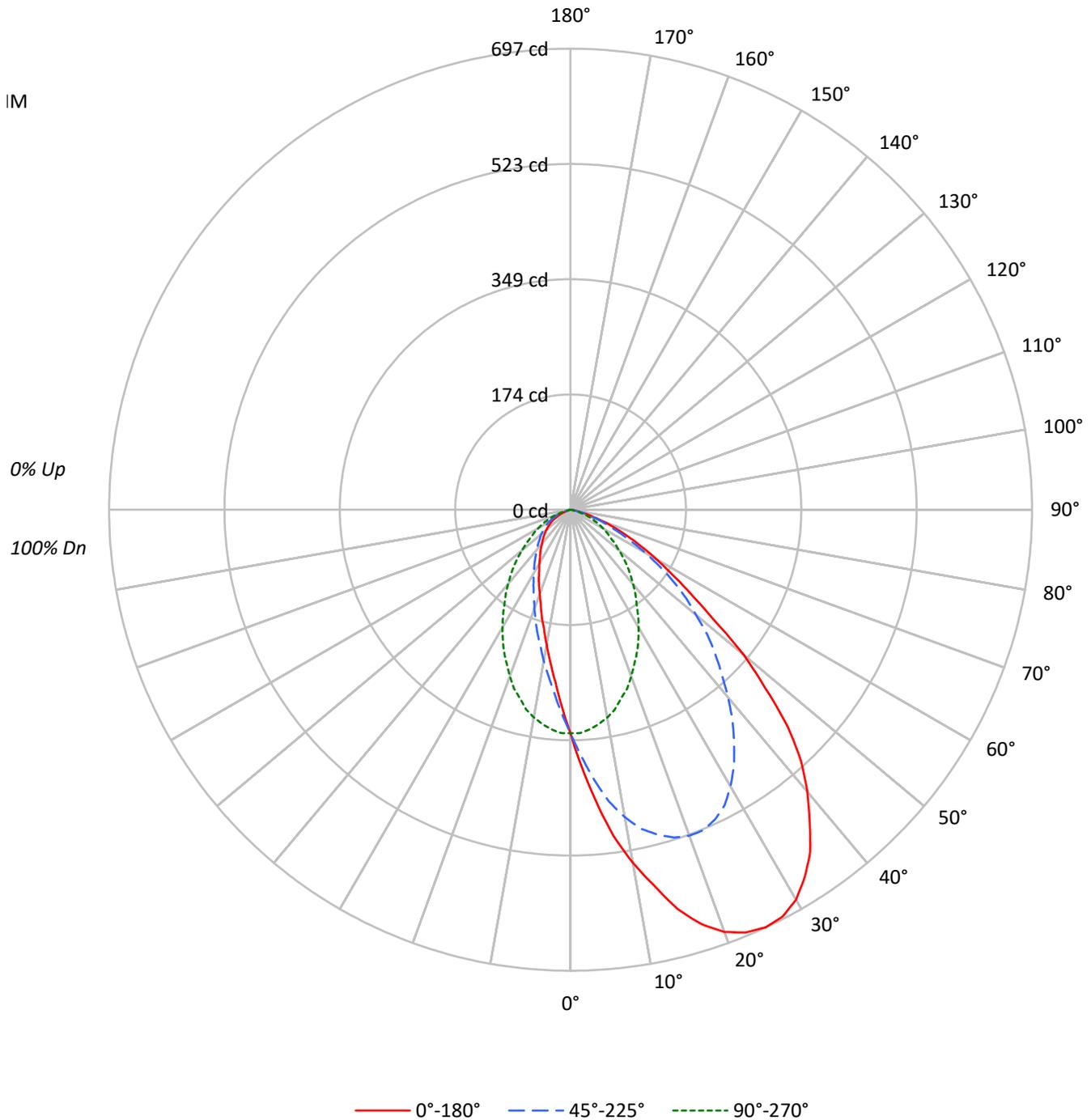
Test Method: LM-79-2019  
Report Number: P1319611  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D20R709835D010 3LSQCLSWWR 1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 98CRI , 3LSQCLSWWR 1MB TRI  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 758.0 lumens  
Efficiency: N/A  
Efficacy: 27.7 lumens/watt  
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29  
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 (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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89	89	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77	77	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67	67	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59	59	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52	52	52
6	75	63	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46	46	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42	42	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38	38	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34	34	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31	31	31

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°	135°	180°
0°	58194	58194	58194	58194	58194
5°	76603	70829	57604	48234	45191
10°	94785	82508	55752	40694	36235
15°	111418	90665	52580	34394	29847
20°	124462	96110	49081	29214	24834
25°	132373	98149	45131	25141	21511
30°	135368	96052	40887	21875	18693
35°	132707	90489	36541	19763	16757
40°	125068	83139	32981	17918	15063
45°	112987	75309	29495	16318	13980
50°	91391	66206	25614	15379	12807
55°	66538	56960	22009	14352	11500
60°	51598	45019	19771	13192	10437
65°	38958	32479	16260	11696	7784
70°	27292	23264	12035	8812	4834
75°	15903	13774	6388	4259	1065
80°	3174	4761	1587	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 112987 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	33.0	4.4
10°-20°	98.5	13.0
20°-30°	148.5	19.6
30°-40°	165.0	21.8
40°-50°	146.3	19.3
50°-60°	99.3	13.1
60°-70°	52.1	6.9
70°-80°	14.8	2.0
80°-90°	0.4	0.1
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°	280.1	36.9
0°-40°	445.1	58.7
0°-60°	690.7	91.1
0°-90°	758.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	758.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	338	338	338	338	338	
5°	443	410	333	279	261	45
15°	625	508	295	193	167	177
25°	697	516	238	132	113	320
35°	631	430	174	94	80	391
45°	464	309	121	67	57	351
55°	222	190	73	48	38	205
65°	96	80	40	29	19	97
75°	24	21	10	6	2	26
85°	0	0	0	0	0	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°	337.9	337.9	337.9	337.9	337.9	337.9	337.9	337.9	337.9	337.9	337.9
2.5°	389.0	387.4	385.8	385.8	384.2	382.6	379.4	379.4	376.2	373.0	369.8
5°	443.1	443.1	443.1	438.4	438.4	432.0	428.8	422.4	416.1	409.7	401.7
7.5°	497.3	497.3	492.6	491.0	486.2	479.8	475.0	465.5	454.3	444.7	432.0
10°	542.0	542.0	537.2	534.0	524.4	518.1	508.5	497.3	486.2	471.8	455.9
12.5°	581.8	583.4	577.1	570.7	561.1	551.5	538.8	524.4	510.1	494.2	473.4
15°	624.9	623.3	615.3	607.3	596.2	581.8	565.9	546.8	527.6	508.5	486.2
17.5°	656.8	655.2	647.2	637.6	623.3	605.7	588.2	565.9	543.6	519.7	492.6
20°	679.1	677.5	669.5	656.8	642.4	623.3	602.6	577.1	553.1	524.4	494.2
22.5°	691.8	690.2	680.7	669.5	652.0	631.2	608.9	581.8	554.7	524.4	491.0
25°	696.6	693.4	683.9	671.1	653.6	631.2	605.7	577.1	548.4	516.5	481.4
27.5°	693.4	690.2	679.1	664.7	645.6	620.1	594.6	565.9	535.6	503.7	467.1
30°	680.7	675.9	666.3	652.0	631.2	605.7	578.6	548.4	516.5	483.0	446.3
32.5°	658.3	655.2	645.6	629.7	608.9	583.4	556.3	524.4	492.6	459.1	422.4
35°	631.2	624.9	615.3	601.0	580.2	554.7	527.6	494.2	463.9	430.4	395.3
37.5°	593.0	591.4	580.2	569.1	548.4	521.3	495.8	463.9	433.6	401.7	366.6
40°	556.3	553.1	543.6	530.8	510.1	486.2	459.1	430.4	400.1	369.8	337.9
42.5°	514.9	510.1	503.7	491.0	471.8	447.9	422.4	393.7	366.6	337.9	309.2
45°	463.9	462.3	454.3	447.9	430.4	409.7	384.2	358.7	331.6	309.2	286.9
47.5°	398.5	396.9	395.3	390.5	381.0	366.6	347.5	323.6	302.9	280.6	250.3
50°	341.1	339.5	336.3	334.8	326.8	318.8	304.5	290.1	272.6	247.1	223.2
52.5°	271.0	272.6	277.4	279.0	277.4	271.0	264.6	259.8	235.9	220.0	197.7
55°	221.6	221.6	220.0	221.6	223.2	226.4	226.4	220.0	204.0	189.7	170.6
57.5°	181.7	181.7	181.7	181.7	181.7	183.3	183.3	181.7	173.8	159.4	141.9
60°	149.8	148.2	148.2	149.8	148.2	148.2	149.8	149.8	141.9	130.7	114.8
62.5°	121.1	121.1	121.1	119.6	119.6	121.1	121.1	119.6	113.2	102.0	90.9
65°	95.6	95.6	95.6	95.6	95.6	97.2	95.6	94.0	87.7	79.7	71.7
67.5°	73.3	73.3	74.9	73.3	74.9	74.9	74.9	71.7	67.0	60.6	55.8
70°	54.2	54.2	54.2	55.8	57.4	57.4	55.8	52.6	49.4	46.2	41.4
72.5°	36.7	38.3	38.3	38.3	39.9	39.9	38.3	36.7	35.1	31.9	30.3
75°	23.9	22.3	23.9	23.9	25.5	25.5	23.9	23.9	22.3	20.7	19.1
77.5°	11.2	11.2	12.8	12.8	12.8	12.8	12.8	12.8	12.8	11.2	11.2
80°	3.2	3.2	3.2	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
82.5°	0.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	67.5°	90°	112.5°	135°	157.5°	180°
0°	337.9	337.9	337.9	337.9	337.9	337.9	337.9	337.9
2.5°	366.6	361.9	355.5	337.9	322.0	307.7	299.7	298.1
5°	392.1	385.8	369.8	333.2	302.9	279.0	264.6	261.4
7.5°	419.2	406.5	384.2	326.8	283.7	253.5	237.5	232.7
10°	440.0	424.0	393.7	318.8	264.6	232.7	213.6	207.2
12.5°	454.3	435.2	401.7	309.2	248.7	210.4	191.3	184.9
15°	462.3	441.6	403.3	294.9	229.5	192.9	172.2	167.4
17.5°	465.5	441.6	400.1	283.7	212.0	175.3	156.2	149.8
20°	463.9	435.2	392.1	267.8	196.1	159.4	140.3	135.5
22.5°	457.5	425.6	379.4	251.9	180.1	143.5	127.5	124.3
25°	447.9	412.9	365.0	237.5	165.8	132.3	116.4	113.2
27.5°	432.0	396.9	345.9	221.6	153.0	121.1	106.8	102.0
30°	411.3	377.8	326.8	205.6	140.3	110.0	97.2	94.0
32.5°	389.0	355.5	307.7	189.7	129.1	102.0	89.3	86.1
35°	363.4	331.6	283.7	173.8	118.0	94.0	81.3	79.7
37.5°	337.9	306.1	263.0	161.0	108.4	86.1	74.9	73.3
40°	309.2	283.7	251.9	146.7	100.4	79.7	70.1	67.0
42.5°	291.7	256.6	216.8	133.9	92.5	73.3	63.8	62.2
45°	253.5	228.0	196.1	121.1	84.5	67.0	59.0	57.4
47.5°	228.0	205.6	175.3	108.4	78.1	62.2	54.2	52.6
50°	202.4	181.7	153.0	95.6	71.7	57.4	49.4	47.8
52.5°	176.9	156.2	130.7	84.5	63.8	52.6	44.6	43.0
55°	151.4	132.3	108.4	73.3	57.4	47.8	41.4	38.3
57.5°	124.3	108.4	92.5	65.4	51.0	43.0	36.7	33.5
60°	100.4	90.9	78.1	57.4	44.6	38.3	31.9	30.3
62.5°	81.3	73.3	65.4	49.4	39.9	33.5	28.7	23.9
65°	65.4	60.6	54.2	39.9	33.5	28.7	23.9	19.1
67.5°	51.0	47.8	43.0	33.5	27.1	23.9	17.5	14.3
70°	39.9	36.7	33.5	23.9	20.7	17.5	12.8	9.6
72.5°	28.7	25.5	23.9	17.5	14.3	12.8	8.0	4.8
75°	17.5	17.5	14.3	9.6	8.0	6.4	3.2	1.6
77.5°	9.6	9.6	8.0	4.8	4.8	1.6	0.0	0.0
80°	4.8	3.2	3.2	1.6	1.6	0.0	0.0	0.0
82.5°	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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

(END OF REPORT)