

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: P1307402

Luminaire Tested: LDSQA3D17R709024DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

**Test Information**

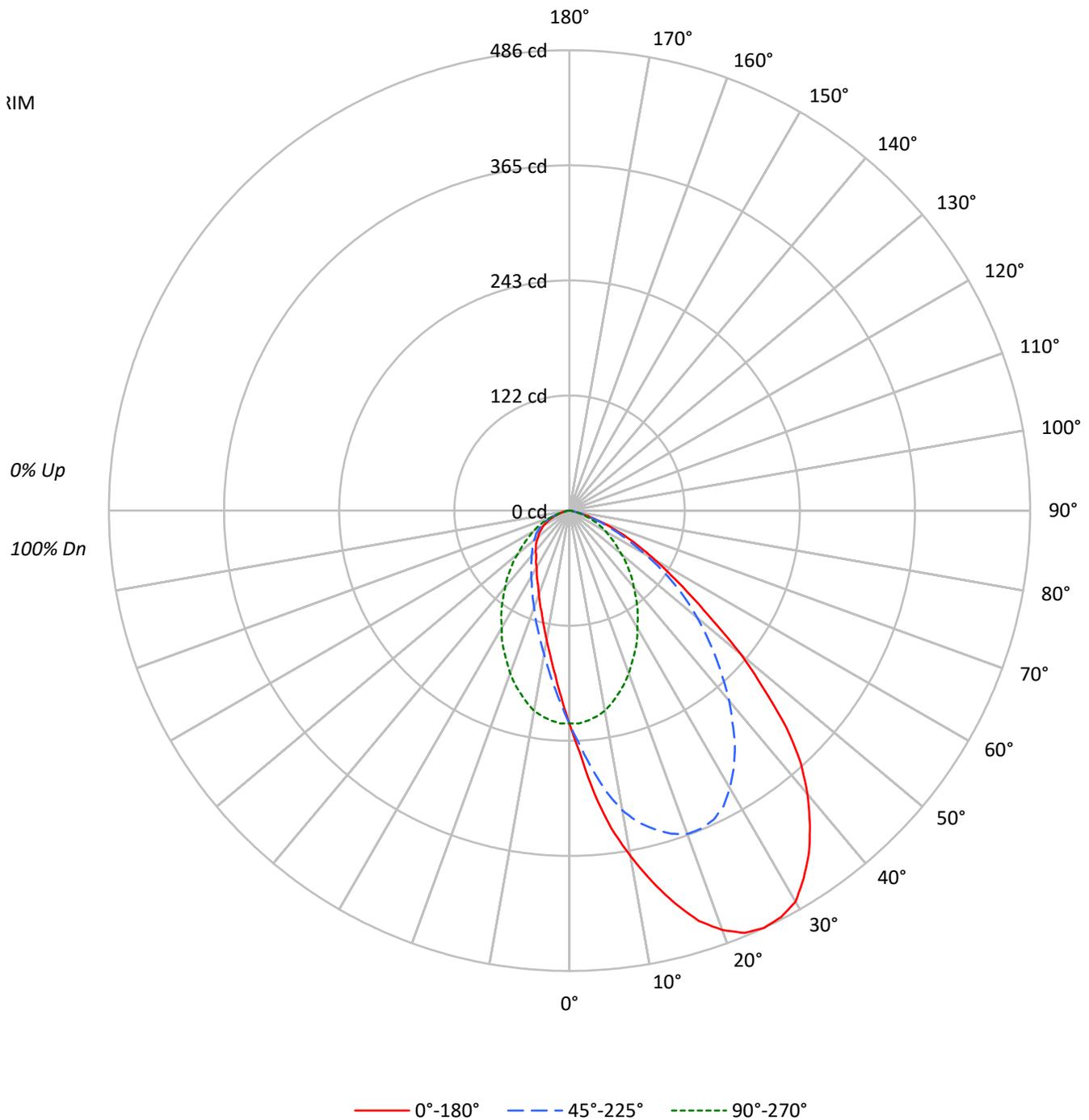
Test Method: LM-79-2019  
Report Number: P1307402  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R709024DE010 3LSQCLSWWR 1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2400K CCT AND, 90CRI , 3LSQCLSWWR 1MW TF  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 549.0 lumens  
Efficiency: N/A  
Efficacy: 25.9 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): 21.2  
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	102	102	100
1	111	107	103	100	108	105	101	99	100	98	95	97	95	93	93	91	90	90	90	88
2	102	95	89	84	100	93	88	83	90	85	82	87	83	80	84	81	78	78	78	76
3	94	85	78	72	92	83	77	72	81	75	70	78	73	69	75	71	68	68	68	66
4	87	76	68	62	85	75	68	62	73	66	61	70	65	60	68	64	60	60	60	58
5	80	69	61	55	78	68	60	54	66	59	54	64	58	53	62	57	53	53	53	51
6	75	62	54	48	73	62	54	48	60	53	48	58	52	47	57	51	47	47	47	45
7	69	57	49	43	68	56	48	43	55	48	43	53	47	42	52	46	42	42	42	40
8	65	52	44	39	63	52	44	39	50	43	38	49	43	38	48	42	38	38	38	36
9	61	48	40	35	59	48	40	35	46	40	35	45	39	35	44	39	35	35	35	33
10	57	44	37	32	56	44	37	32	43	36	32	42	36	32	41	36	32	32	32	30

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

	0°	45°	90°	135°	180°
0°	38716	38716	38716	38716	38716
5°	51812	47300	38466	32190	30029
10°	64723	56189	37529	27001	24221
15°	76508	62137	35624	23072	20041
20°	86341	66584	33503	19977	17265
25°	92334	68391	31069	17691	15316
30°	94819	67276	28438	16029	13761
35°	92613	63957	26260	14801	12888
40°	87792	58948	23741	14029	12500
45°	78792	53096	21555	13542	12178
50°	63258	47156	19157	13075	11548
55°	46691	40565	17055	12941	11260
60°	35960	31689	15259	12503	10953
65°	27303	23595	13407	11573	9699
70°	18279	16567	10272	10272	8006
75°	9848	9848	6787	6787	6055
80°	2281	4463	3372	4463	5653
85°	0	2174	2174	4545	4545

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 78792 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.2	4.0
10°-20°	67.4	12.3
20°-30°	103.9	18.9
30°-40°	117.9	21.5
40°-50°	106.6	19.4
50°-60°	74.6	13.6
60°-70°	41.0	7.5
70°-80°	13.7	2.5
80°-90°	1.8	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°	193.4	35.2
0°-40°	311.3	56.7
0°-60°	492.5	89.7
0°-90°	549.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	549.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	225	225	225	225	225	
5°	300	274	222	186	174	31
15°	429	348	200	129	112	122
25°	486	360	164	93	81	223
35°	440	304	125	70	61	274
45°	324	218	88	56	50	245
55°	156	135	57	43	38	143
65°	67	58	33	28	24	67
75°	15	15	10	10	9	17
85°	0	1	1	2	2	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°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8
2.5°	256.6	258.8	260.0	257.7	256.6	255.4	253.2	252.0	249.8	247.5	246.3
5°	299.7	299.7	299.7	297.4	294.0	291.8	287.2	283.8	278.1	273.6	269.0
7.5°	338.3	338.3	337.2	333.8	331.5	325.8	320.1	315.6	306.5	299.7	290.6
10°	370.1	370.1	369.0	363.3	359.9	353.1	347.4	339.4	330.4	321.3	311.1
12.5°	400.7	400.7	396.2	391.7	384.8	375.8	367.8	359.9	347.4	337.2	324.7
15°	429.1	429.1	426.8	418.9	409.8	399.6	388.2	376.9	362.1	348.5	334.9
17.5°	454.1	453.0	449.6	440.5	431.4	418.9	405.3	391.7	373.5	357.6	340.6
20°	471.1	471.1	466.6	456.4	446.1	432.5	417.8	401.9	382.6	363.3	342.8
22.5°	482.5	481.3	476.8	466.6	454.1	440.5	423.4	406.4	384.8	363.3	341.7
25°	485.9	484.7	480.2	468.9	456.4	441.6	423.4	405.3	382.6	359.9	336.0
27.5°	483.6	482.5	477.9	465.4	453.0	435.9	417.8	398.5	375.8	351.9	328.1
30°	476.8	473.4	468.9	457.5	443.9	426.8	407.5	386.0	363.3	338.3	314.5
32.5°	459.8	459.8	454.1	442.7	429.1	411.0	391.7	371.2	346.2	322.4	297.4
35°	440.5	439.3	434.8	422.3	409.8	392.8	373.5	351.9	328.1	304.2	280.4
37.5°	416.6	415.5	411.0	399.6	386.0	370.1	349.7	329.2	306.5	282.7	261.1
40°	390.5	388.2	382.6	373.5	362.1	344.0	325.8	305.4	283.8	262.2	240.7
42.5°	361.0	358.7	354.2	347.4	333.8	317.9	300.8	281.5	261.1	239.5	223.6
45°	323.5	323.5	321.3	314.5	304.2	291.8	273.6	256.6	237.3	218.0	200.9
47.5°	277.0	279.3	278.1	274.7	270.2	258.8	246.3	231.6	213.4	196.4	180.5
50°	236.1	237.3	238.4	236.1	232.7	224.8	216.8	207.7	191.9	176.0	161.2
52.5°	189.6	193.0	193.0	194.1	194.1	191.9	189.6	179.4	171.4	155.5	141.9
55°	155.5	155.5	155.5	157.8	158.9	160.1	157.8	155.5	146.4	135.1	122.6
57.5°	127.1	127.1	129.4	128.3	128.3	130.6	130.6	129.4	123.7	113.5	102.2
60°	104.4	104.4	104.4	104.4	105.6	105.6	105.6	105.6	101.0	92.0	82.9
62.5°	84.0	84.0	84.0	85.1	85.1	85.1	86.3	85.1	80.6	73.8	65.8
65°	67.0	65.8	67.0	67.0	68.1	68.1	68.1	67.0	62.4	57.9	52.2
67.5°	50.0	51.1	51.1	51.1	52.2	53.4	52.2	51.1	47.7	43.1	40.9
70°	36.3	37.5	37.5	37.5	38.6	39.7	38.6	37.5	35.2	32.9	30.7
72.5°	23.8	25.0	25.0	26.1	27.2	27.2	26.1	26.1	25.0	22.7	21.6
75°	14.8	14.8	15.9	15.9	17.0	17.0	17.0	15.9	15.9	14.8	14.8
77.5°	6.8	6.8	7.9	7.9	7.9	9.1	9.1	9.1	9.1	9.1	7.9
80°	2.3	2.3	2.3	2.3	2.3	3.4	3.4	3.4	4.5	4.5	4.5
82.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	2.3	2.3	2.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
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°	224.8	224.8	224.8	224.8	224.8	224.8	224.8	224.8
2.5°	244.1	240.7	236.1	224.8	213.4	204.3	198.7	197.5
5°	263.4	257.7	247.5	222.5	202.1	186.2	177.1	173.7
7.5°	282.7	272.5	257.7	219.1	188.4	169.1	158.9	154.4
10°	298.6	286.1	266.8	214.6	177.1	154.4	141.9	138.5
12.5°	311.1	296.3	272.5	207.7	165.7	140.8	128.3	124.9
15°	319.0	303.1	275.9	199.8	154.4	129.4	116.9	112.4
17.5°	322.4	303.1	274.7	191.9	144.2	119.2	106.7	103.3
20°	322.4	300.8	271.3	182.8	134.0	109.0	97.6	94.2
22.5°	319.0	296.3	263.4	172.6	124.9	101.0	89.7	86.3
25°	312.2	287.2	254.3	163.5	115.8	93.1	82.9	80.6
27.5°	302.0	277.0	242.9	154.4	107.8	86.3	77.2	74.9
30°	289.5	264.5	230.5	143.0	99.9	80.6	72.7	69.2
32.5°	273.6	249.8	216.8	134.0	93.1	74.9	68.1	65.8
35°	256.6	235.0	202.1	124.9	86.3	70.4	63.6	61.3
37.5°	239.5	216.8	189.6	114.7	80.6	65.8	60.2	57.9
40°	221.4	204.3	176.0	105.6	76.1	62.4	56.8	55.6
42.5°	203.2	185.0	156.7	97.6	70.4	57.9	53.4	52.2
45°	181.6	164.6	141.9	88.5	65.8	55.6	51.1	50.0
47.5°	163.5	147.6	127.1	80.6	61.3	52.2	47.7	46.5
50°	146.4	130.6	111.3	71.5	56.8	48.8	45.4	43.1
52.5°	127.1	113.5	96.5	63.6	52.2	45.4	42.0	40.9
55°	110.1	96.5	80.6	56.8	47.7	43.1	38.6	37.5
57.5°	90.8	79.5	68.1	50.0	43.1	38.6	36.3	34.1
60°	73.8	65.8	57.9	44.3	38.6	36.3	32.9	31.8
62.5°	60.2	54.5	48.8	38.6	34.1	31.8	29.5	27.2
65°	47.7	44.3	39.7	32.9	29.5	28.4	26.1	23.8
67.5°	37.5	35.2	31.8	26.1	25.0	23.8	21.6	19.3
70°	28.4	27.2	25.0	20.4	19.3	20.4	18.2	15.9
72.5°	20.4	19.3	18.2	14.8	14.8	14.8	13.6	11.4
75°	13.6	12.5	11.4	10.2	10.2	10.2	10.2	9.1
77.5°	7.9	7.9	6.8	5.7	6.8	6.8	7.9	7.9
80°	3.4	3.4	3.4	3.4	4.5	4.5	5.7	5.7
82.5°	2.3	2.3	2.3	2.3	3.4	3.4	3.4	3.4
85°	1.1	1.1	1.1	1.1	1.1	2.3	2.3	2.3
87.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)