

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: P1324137

Luminaire Tested: LDSQA3D17R709030D2WDE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

**Test Information**

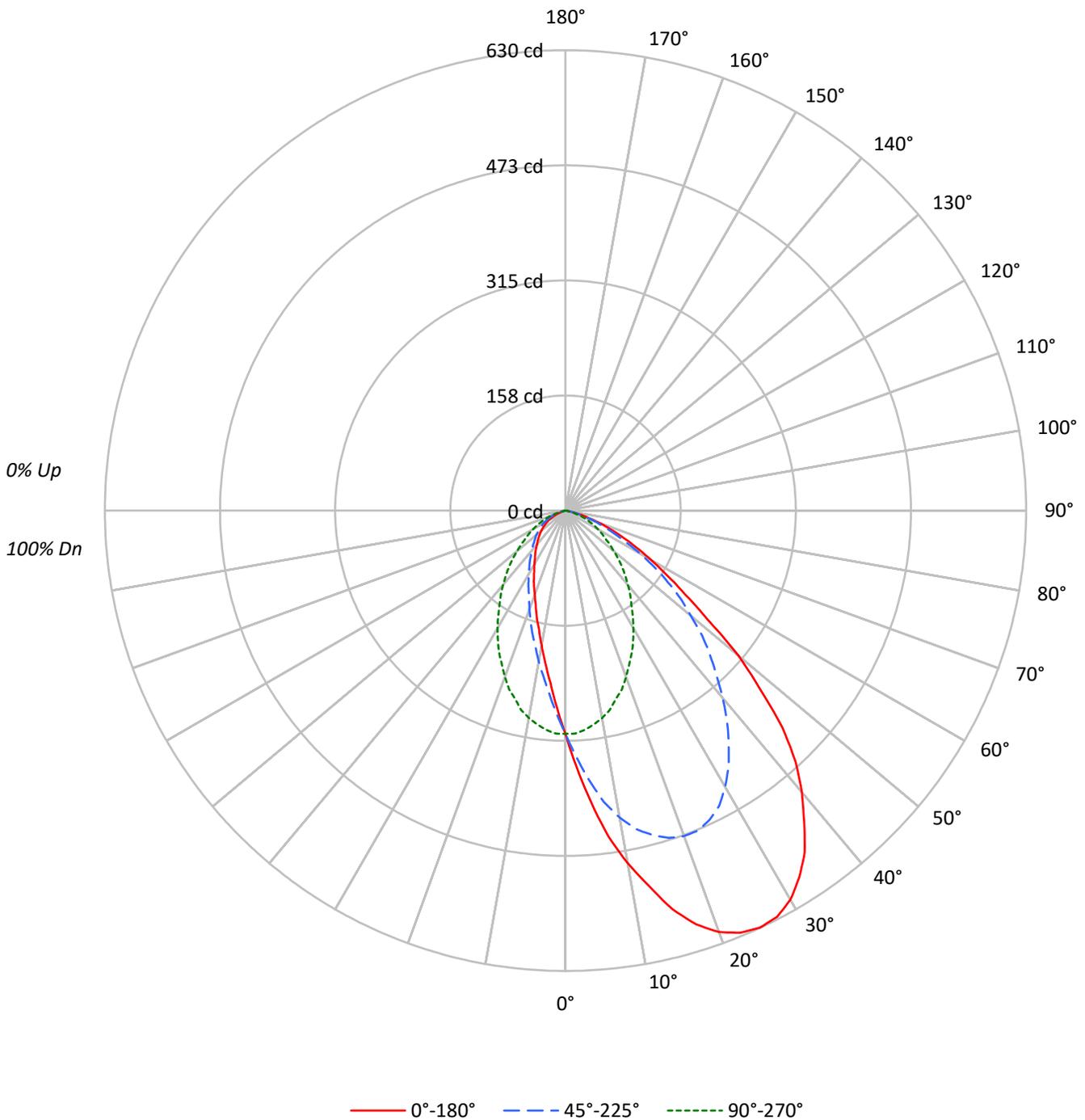
Test Method: LM-79-2019  
Report Number: P1324137  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R709030D2WDE010 3LSQCLSWWR 1MB  
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
3LSQCLSWWR 1MB TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 685.0 lumens  
Efficiency: N/A  
Efficacy: 25.1 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): 27.3  
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		
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89		
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77		
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67		
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59		
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52		
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46		
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42		
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38		
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34		
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31		

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

	0°	45°	90°	135°	180°
0°	52597	52597	52597	52597	52597
5°	69239	64000	52054	43583	40834
10°	85656	74569	50383	36777	32755
15°	100685	81928	47516	31077	26976
20°	112476	86854	44353	26410	22433
25°	119622	88685	40780	22727	19440
30°	122322	86805	36949	19767	16904
35°	119945	81764	33008	17871	15138
40°	113040	75135	29789	16187	13602
45°	102100	68075	26670	14735	12641
50°	82603	59829	23149	13906	11575
55°	60112	51465	19907	12971	10389
60°	46638	40679	17877	11918	9438
65°	35209	29341	14670	10555	7050
70°	24674	21048	10877	7956	4330
75°	14373	12443	5723	3859	932
80°	2876	4265	1389	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 102100 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	29.9	4.4
10°-20°	89.0	13.0
20°-30°	134.2	19.6
30°-40°	149.2	21.8
40°-50°	132.2	19.3
50°-60°	89.7	13.1
60°-70°	47.1	6.9
70°-80°	13.3	1.9
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°	253.1	36.9
0°-40°	402.2	58.7
0°-60°	624.2	91.1
0°-90°	685.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	685.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	305	305	305	305	305	
5°	400	370	301	252	236	41
15°	565	460	266	174	151	160
25°	630	467	215	120	102	289
35°	570	389	157	85	72	354
45°	419	280	110	60	52	317
55°	200	171	66	43	35	185
65°	86	72	36	26	17	87
75°	22	19	9	6	1	24
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°	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4
2.5°	351.5	350.1	348.6	348.6	347.2	345.7	342.8	342.8	340.0	337.1	334.2
5°	400.5	400.5	400.5	396.2	396.2	390.4	387.5	381.7	376.0	370.2	363.0
7.5°	449.5	449.5	445.1	443.7	439.4	433.6	429.3	420.6	410.6	401.9	390.4
10°	489.8	489.8	485.5	482.6	473.9	468.2	459.5	449.5	439.4	426.4	412.0
12.5°	525.8	527.2	521.5	515.7	507.1	498.4	486.9	473.9	461.0	446.6	427.8
15°	564.7	563.3	556.1	548.8	538.8	525.8	511.4	494.1	476.8	459.5	439.4
17.5°	593.5	592.1	584.9	576.2	563.3	547.4	531.6	511.4	491.2	469.6	445.1
20°	613.7	612.2	605.0	593.5	580.5	563.3	544.5	521.5	499.9	473.9	446.6
22.5°	625.2	623.8	615.1	605.0	589.2	570.5	550.3	525.8	501.3	473.9	443.7
25°	629.5	626.6	618.0	606.5	590.6	570.5	547.4	521.5	495.5	466.7	435.0
27.5°	626.6	623.8	613.7	600.7	583.4	560.4	537.3	511.4	484.0	455.2	422.1
30°	615.1	610.8	602.1	589.2	570.5	547.4	522.9	495.5	466.7	436.5	403.4
32.5°	594.9	592.1	583.4	569.0	550.3	527.2	502.8	473.9	445.1	414.9	381.7
35°	570.5	564.7	556.1	543.1	524.4	501.3	476.8	446.6	419.2	388.9	357.3
37.5°	535.9	534.4	524.4	514.3	495.5	471.1	448.0	419.2	391.8	363.0	331.3
40°	502.8	499.9	491.2	479.7	461.0	439.4	414.9	388.9	361.6	334.2	305.4
42.5°	465.3	461.0	455.2	443.7	426.4	404.8	381.7	355.8	331.3	305.4	279.5
45°	419.2	417.8	410.6	404.8	388.9	370.2	347.2	324.1	299.6	279.5	259.3
47.5°	360.1	358.7	357.3	352.9	344.3	331.3	314.0	292.4	273.7	253.5	226.2
50°	308.3	306.8	304.0	302.5	295.3	288.1	275.1	262.2	246.3	223.3	201.7
52.5°	244.9	246.3	250.7	252.1	250.7	244.9	239.1	234.8	213.2	198.8	178.6
55°	200.2	200.2	198.8	200.2	201.7	204.6	204.6	198.8	184.4	171.4	154.1
57.5°	164.2	164.2	164.2	164.2	164.2	165.7	165.7	164.2	157.0	144.1	128.2
60°	135.4	134.0	134.0	135.4	134.0	134.0	135.4	135.4	128.2	118.1	103.7
62.5°	109.5	109.5	109.5	108.0	108.0	109.5	109.5	108.0	102.3	92.2	82.1
65°	86.4	86.4	86.4	86.4	86.4	87.9	86.4	85.0	79.2	72.0	64.8
67.5°	66.3	66.3	67.7	66.3	67.7	67.7	67.7	64.8	60.5	54.7	50.4
70°	49.0	49.0	49.0	50.4	51.9	51.9	50.4	47.5	44.7	41.8	37.5
72.5°	33.1	34.6	34.6	34.6	36.0	36.0	34.6	33.1	31.7	28.8	27.4
75°	21.6	20.2	21.6	21.6	23.0	23.0	21.6	21.6	20.2	18.7	17.3
77.5°	10.1	10.1	11.5	11.5	11.5	11.5	11.5	11.5	11.5	10.1	10.1
80°	2.9	2.9	2.9	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
82.5°	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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°	305.4	305.4	305.4	305.4	305.4	305.4	305.4	305.4
2.5°	331.3	327.0	321.2	305.4	291.0	278.0	270.8	269.4
5°	354.4	348.6	334.2	301.1	273.7	252.1	239.1	236.2
7.5°	378.9	367.3	347.2	295.3	256.4	229.0	214.6	210.3
10°	397.6	383.2	355.8	288.1	239.1	210.3	193.0	187.3
12.5°	410.6	393.3	363.0	279.5	224.7	190.2	172.9	167.1
15°	417.8	399.0	364.5	266.5	207.4	174.3	155.6	151.3
17.5°	420.6	399.0	361.6	256.4	191.6	158.5	141.2	135.4
20°	419.2	393.3	354.4	242.0	177.2	144.1	126.8	122.4
22.5°	413.4	384.6	342.8	227.6	162.8	129.6	115.2	112.4
25°	404.8	373.1	329.9	214.6	149.8	119.6	105.2	102.3
27.5°	390.4	358.7	312.6	200.2	138.3	109.5	96.5	92.2
30°	371.7	341.4	295.3	185.8	126.8	99.4	87.9	85.0
32.5°	351.5	321.2	278.0	171.4	116.7	92.2	80.7	77.8
35°	328.4	299.6	256.4	157.0	106.6	85.0	73.5	72.0
37.5°	305.4	276.6	237.7	145.5	98.0	77.8	67.7	66.3
40°	279.5	256.4	227.6	132.5	90.8	72.0	63.4	60.5
42.5°	263.6	231.9	195.9	121.0	83.6	66.3	57.6	56.2
45°	229.0	206.0	177.2	109.5	76.3	60.5	53.3	51.9
47.5°	206.0	185.8	158.5	98.0	70.6	56.2	49.0	47.5
50°	182.9	164.2	138.3	86.4	64.8	51.9	44.7	43.2
52.5°	159.9	141.2	118.1	76.3	57.6	47.5	40.3	38.9
55°	136.9	119.6	98.0	66.3	51.9	43.2	37.5	34.6
57.5°	112.4	98.0	83.6	59.1	46.1	38.9	33.1	30.3
60°	90.8	82.1	70.6	51.9	40.3	34.6	28.8	27.4
62.5°	73.5	66.3	59.1	44.7	36.0	30.3	25.9	21.6
65°	59.1	54.7	49.0	36.0	30.3	25.9	21.6	17.3
67.5°	46.1	43.2	38.9	30.3	24.5	21.6	15.8	13.0
70°	36.0	33.1	30.3	21.6	18.7	15.8	11.5	8.6
72.5°	25.9	23.0	21.6	15.8	13.0	11.5	7.2	4.3
75°	15.8	15.8	13.0	8.6	7.2	5.8	2.9	1.4
77.5°	8.6	8.6	7.2	4.3	4.3	1.4	0.0	0.0
80°	4.3	2.9	2.9	1.4	1.4	0.0	0.0	0.0
82.5°	1.4	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)