

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: P1323846

Luminaire Tested: LDSQA3D09R709030D2WDE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

**Test Information**

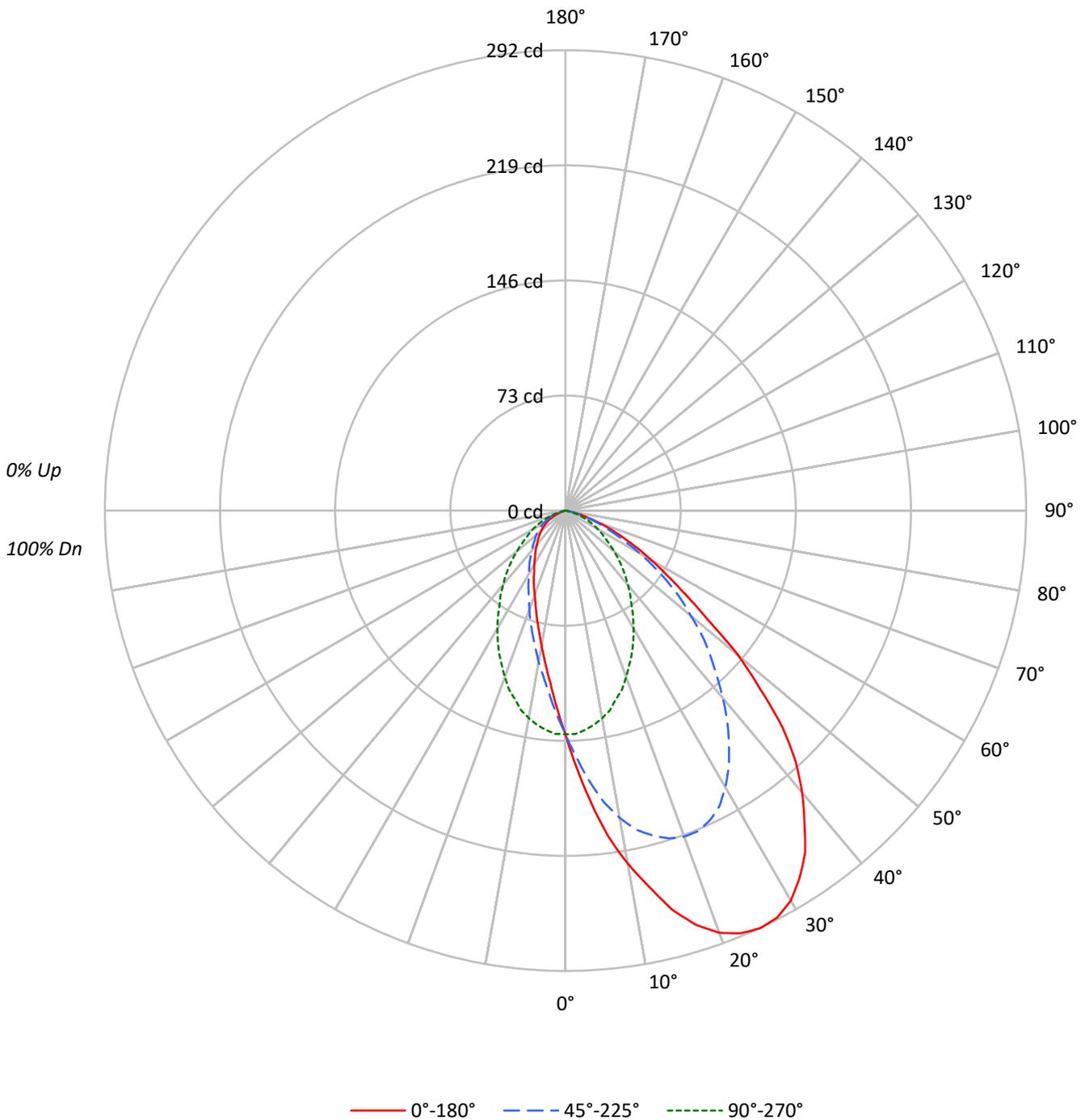
Test Method: LM-79-2019  
Report Number: P1323846  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R709030D2WDE010 3LSQCLSWWR 1MMS  
Description: 3in Adjustable Dim to Warm LED luminaire with, R70 optic, 3000K CCT AND, 90CRI ,  
3LSQCLSWWR 1MMS TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 318.0 lumens  
Efficiency: N/A  
Efficacy: 21.6 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): 14.7  
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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89			89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	77			77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	67			67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	59			59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	52			52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	46			46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	42			42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	38			38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	34			34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	31			31

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

	0°	45°	90°	135°	180°
0°	24421	24421	24421	24421	24421
5°	32138	29718	24169	20227	18965
10°	39768	34609	23381	17068	15197
15°	46732	38031	22055	14424	12517
20°	52215	40321	20582	12261	10410
25°	55526	41179	18927	10546	9026
30°	56796	40290	17162	9168	7855
35°	55673	37970	15327	8305	7022
40°	52473	34870	13826	7509	6317
45°	47397	31590	12373	6844	5870
50°	38341	27784	10744	6457	5385
55°	27924	23901	9248	6035	4804
60°	21666	18876	8301	5511	4374
65°	16341	13611	6805	4890	3260
70°	11430	9769	5035	3726	2014
75°	6654	5789	2662	1797	466
80°	1289	1984	694	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 47397 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	13.9	4.4
10°-20°	41.3	13.0
20°-30°	62.3	19.6
30°-40°	69.2	21.8
40°-50°	61.4	19.3
50°-60°	41.7	13.1
60°-70°	21.8	6.9
70°-80°	6.2	1.9
80°-90°	0.2	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°	117.5	36.9
0°-40°	186.7	58.7
0°-60°	289.8	91.1
0°-90°	318.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	318.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	142	142	142	142	142	
5°	186	172	140	117	110	19
15°	262	213	124	81	70	74
25°	292	217	100	56	48	134
35°	265	181	73	40	33	164
45°	195	130	51	28	24	147
55°	93	80	31	20	16	86
65°	40	33	17	12	8	41
75°	10	9	4	3	1	11
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8
2.5°	163.2	162.5	161.8	161.8	161.2	160.5	159.2	159.2	157.8	156.5	155.1
5°	185.9	185.9	185.9	183.9	183.9	181.2	179.9	177.2	174.5	171.9	168.5
7.5°	208.6	208.6	206.6	206.0	204.0	201.3	199.3	195.3	190.6	186.6	181.2
10°	227.4	227.4	225.4	224.0	220.0	217.3	213.3	208.6	204.0	197.9	191.3
12.5°	244.1	244.8	242.1	239.4	235.4	231.4	226.0	220.0	214.0	207.3	198.6
15°	262.1	261.5	258.1	254.8	250.1	244.1	237.4	229.4	221.4	213.3	204.0
17.5°	275.5	274.9	271.5	267.5	261.5	254.1	246.8	237.4	228.0	218.0	206.6
20°	284.9	284.2	280.9	275.5	269.5	261.5	252.8	242.1	232.1	220.0	207.3
22.5°	290.2	289.6	285.6	280.9	273.5	264.8	255.5	244.1	232.7	220.0	206.0
25°	292.2	290.9	286.9	281.5	274.2	264.8	254.1	242.1	230.0	216.7	202.0
27.5°	290.9	289.6	284.9	278.9	270.8	260.1	249.4	237.4	224.7	211.3	195.9
30°	285.6	283.5	279.5	273.5	264.8	254.1	242.8	230.0	216.7	202.6	187.2
32.5°	276.2	274.9	270.8	264.2	255.5	244.8	233.4	220.0	206.6	192.6	177.2
35°	264.8	262.1	258.1	252.1	243.4	232.7	221.4	207.3	194.6	180.6	165.8
37.5°	248.8	248.1	243.4	238.7	230.0	218.7	208.0	194.6	181.9	168.5	153.8
40°	233.4	232.1	228.0	222.7	214.0	204.0	192.6	180.6	167.9	155.1	141.8
42.5°	216.0	214.0	211.3	206.0	197.9	187.9	177.2	165.2	153.8	141.8	129.7
45°	194.6	193.9	190.6	187.9	180.6	171.9	161.2	150.5	139.1	129.7	120.4
47.5°	167.2	166.5	165.8	163.8	159.8	153.8	145.8	135.8	127.1	117.7	105.0
50°	143.1	142.4	141.1	140.4	137.1	133.7	127.7	121.7	114.4	103.7	93.6
52.5°	113.7	114.4	116.4	117.0	116.4	113.7	111.0	109.0	99.0	92.3	82.9
55°	93.0	93.0	92.3	93.0	93.6	95.0	95.0	92.3	85.6	79.6	71.6
57.5°	76.2	76.2	76.2	76.2	76.2	76.9	76.9	76.2	72.9	66.9	59.5
60°	62.9	62.2	62.2	62.9	62.2	62.2	62.9	62.9	59.5	54.8	48.1
62.5°	50.8	50.8	50.8	50.2	50.2	50.8	50.8	50.2	47.5	42.8	38.1
65°	40.1	40.1	40.1	40.1	40.1	40.8	40.1	39.5	36.8	33.4	30.1
67.5°	30.8	30.8	31.4	30.8	31.4	31.4	31.4	30.1	28.1	25.4	23.4
70°	22.7	22.7	22.7	23.4	24.1	24.1	23.4	22.1	20.7	19.4	17.4
72.5°	15.4	16.0	16.0	16.0	16.7	16.7	16.0	15.4	14.7	13.4	12.7
75°	10.0	9.4	10.0	10.0	10.7	10.7	10.0	10.0	9.4	8.7	8.0
77.5°	4.7	4.7	5.3	5.3	5.3	5.3	5.3	5.3	5.3	4.7	4.7
80°	1.3	1.3	1.3	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
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°	141.8	141.8	141.8	141.8	141.8	141.8	141.8	141.8
2.5°	153.8	151.8	149.1	141.8	135.1	129.1	125.7	125.1
5°	164.5	161.8	155.1	139.8	127.1	117.0	111.0	109.7
7.5°	175.9	170.5	161.2	137.1	119.0	106.3	99.6	97.6
10°	184.6	177.9	165.2	133.7	111.0	97.6	89.6	86.9
12.5°	190.6	182.6	168.5	129.7	104.3	88.3	80.2	77.6
15°	193.9	185.2	169.2	123.7	96.3	80.9	72.2	70.2
17.5°	195.3	185.2	167.9	119.0	88.9	73.6	65.5	62.9
20°	194.6	182.6	164.5	112.3	82.3	66.9	58.8	56.8
22.5°	191.9	178.6	159.2	105.7	75.6	60.2	53.5	52.2
25°	187.9	173.2	153.1	99.6	69.5	55.5	48.8	47.5
27.5°	181.2	166.5	145.1	93.0	64.2	50.8	44.8	42.8
30°	172.5	158.5	137.1	86.3	58.8	46.1	40.8	39.5
32.5°	163.2	149.1	129.1	79.6	54.2	42.8	37.4	36.1
35°	152.5	139.1	119.0	72.9	49.5	39.5	34.1	33.4
37.5°	141.8	128.4	110.3	67.5	45.5	36.1	31.4	30.8
40°	129.7	119.0	105.7	61.5	42.1	33.4	29.4	28.1
42.5°	122.4	107.7	90.9	56.2	38.8	30.8	26.7	26.1
45°	106.3	95.6	82.3	50.8	35.4	28.1	24.7	24.1
47.5°	95.6	86.3	73.6	45.5	32.8	26.1	22.7	22.1
50°	84.9	76.2	64.2	40.1	30.1	24.1	20.7	20.1
52.5°	74.2	65.5	54.8	35.4	26.7	22.1	18.7	18.1
55°	63.5	55.5	45.5	30.8	24.1	20.1	17.4	16.0
57.5°	52.2	45.5	38.8	27.4	21.4	18.1	15.4	14.0
60°	42.1	38.1	32.8	24.1	18.7	16.0	13.4	12.7
62.5°	34.1	30.8	27.4	20.7	16.7	14.0	12.0	10.0
65°	27.4	25.4	22.7	16.7	14.0	12.0	10.0	8.0
67.5°	21.4	20.1	18.1	14.0	11.4	10.0	7.4	6.0
70°	16.7	15.4	14.0	10.0	8.7	7.4	5.3	4.0
72.5°	12.0	10.7	10.0	7.4	6.0	5.3	3.3	2.0
75°	7.4	7.4	6.0	4.0	3.3	2.7	1.3	0.7
77.5°	4.0	4.0	3.3	2.0	2.0	0.7	0.0	0.0
80°	2.0	1.3	1.3	0.7	0.7	0.0	0.0	0.0
82.5°	0.7	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)