

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: P1323991

Luminaire Tested: LDSQA3D13R709030D2WDE010 3LSQCLSWWR 1MB

Issue Date: 1/29/2026

**Test Information**

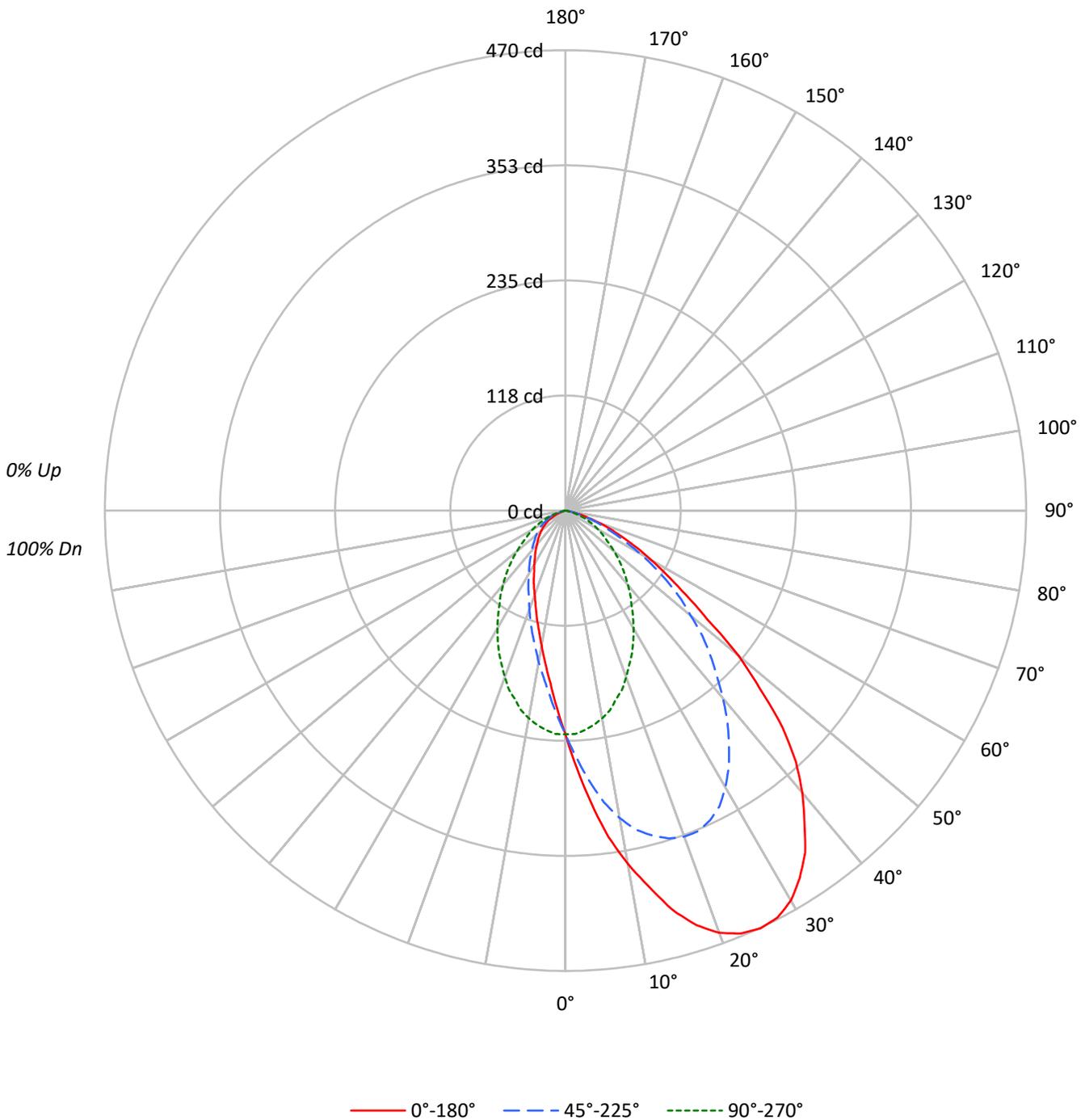
Test Method: LM-79-2019  
Report Number: P1323991  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R709030D2WDE010 3LSQCLSWWR 1MB  
Description: 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: 512.0 lumens  
Efficiency: N/A  
Efficacy: 25.5 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): 20.1  
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	100	
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	90	89	
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	77	
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	69	67	
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	61	59	
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	54	52	
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	48	46	
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	43	42	
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	39	38	
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	36	34	
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	33	31	

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

	0°	45°	90°	135°	180°
0°	39318	39318	39318	39318	39318
5°	51743	47836	38898	32571	30531
10°	64023	55734	37652	27491	24483
15°	75260	61245	35517	23232	20166
20°	84068	64916	33155	19739	16770
25°	89408	66300	30480	16988	14518
30°	91438	64870	27622	14776	12628
35°	89648	61118	24683	13351	11311
40°	84488	56160	22280	12095	10162
45°	76307	50880	19923	11009	9450
50°	61731	44718	17308	10396	8654
55°	44949	38463	14863	9698	7747
60°	34858	30415	13364	8887	7061
65°	26325	21924	10962	7906	5257
70°	18430	15711	8157	5942	3273
75°	10780	9316	4325	2861	732
80°	2182	3174	1091	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 76307 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	22.3	4.4
10°-20°	66.6	13.0
20°-30°	100.3	19.6
30°-40°	111.5	21.8
40°-50°	98.8	19.3
50°-60°	67.1	13.1
60°-70°	35.2	6.9
70°-80°	10.0	2.0
80°-90°	0.3	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°	189.2	36.9
0°-40°	300.6	58.7
0°-60°	466.5	91.1
0°-90°	512.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	512.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	228	228	228	228	228	
5°	299	277	225	188	177	31
15°	422	344	199	130	113	120
25°	470	349	160	89	76	216
35°	426	291	117	64	54	264
45°	313	209	82	45	39	237
55°	150	128	50	32	26	138
65°	65	54	27	19	13	65
75°	16	14	6	4	1	18
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°	228.3	228.3	228.3	228.3	228.3	228.3	228.3	228.3	228.3	228.3	228.3
2.5°	262.7	261.6	260.6	260.6	259.5	258.4	256.3	256.3	254.1	252.0	249.8
5°	299.3	299.3	299.3	296.1	296.1	291.8	289.6	285.3	281.0	276.7	271.3
7.5°	335.9	335.9	332.7	331.6	328.4	324.1	320.9	314.4	306.9	300.4	291.8
10°	366.1	366.1	362.9	360.7	354.2	349.9	343.5	335.9	328.4	318.7	307.9
12.5°	393.0	394.1	389.8	385.5	379.0	372.5	363.9	354.2	344.6	333.8	319.8
15°	422.1	421.0	415.6	410.2	402.7	393.0	382.2	369.3	356.4	343.5	328.4
17.5°	443.6	442.5	437.2	430.7	421.0	409.2	397.3	382.2	367.2	351.0	332.7
20°	458.7	457.6	452.2	443.6	433.9	421.0	407.0	389.8	373.6	354.2	333.8
22.5°	467.3	466.2	459.8	452.2	440.4	426.4	411.3	393.0	374.7	354.2	331.6
25°	470.5	468.4	461.9	453.3	441.5	426.4	409.2	389.8	370.4	348.9	325.2
27.5°	468.4	466.2	458.7	449.0	436.1	418.8	401.6	382.2	361.8	340.2	315.5
30°	459.8	456.5	450.1	440.4	426.4	409.2	390.9	370.4	348.9	326.2	301.5
32.5°	444.7	442.5	436.1	425.3	411.3	394.1	375.8	354.2	332.7	310.1	285.3
35°	426.4	422.1	415.6	405.9	391.9	374.7	356.4	333.8	313.3	290.7	267.0
37.5°	400.5	399.5	391.9	384.4	370.4	352.1	334.9	313.3	292.9	271.3	247.6
40°	375.8	373.6	367.2	358.6	344.6	328.4	310.1	290.7	270.3	249.8	228.3
42.5°	347.8	344.6	340.2	331.6	318.7	302.6	285.3	266.0	247.6	228.3	208.9
45°	313.3	312.3	306.9	302.6	290.7	276.7	259.5	242.3	224.0	208.9	193.8
47.5°	269.2	268.1	267.0	263.8	257.3	247.6	234.7	218.6	204.6	189.5	169.0
50°	230.4	229.3	227.2	226.1	220.7	215.3	205.7	196.0	184.1	166.9	150.7
52.5°	183.0	184.1	187.4	188.4	187.4	183.0	178.7	175.5	159.4	148.6	133.5
55°	149.7	149.7	148.6	149.7	150.7	152.9	152.9	148.6	137.8	128.1	115.2
57.5°	122.7	122.7	122.7	122.7	122.7	123.8	123.8	122.7	117.4	107.7	95.8
60°	101.2	100.1	100.1	101.2	100.1	100.1	101.2	101.2	95.8	88.3	77.5
62.5°	81.8	81.8	81.8	80.8	80.8	81.8	81.8	80.8	76.4	68.9	61.4
65°	64.6	64.6	64.6	64.6	64.6	65.7	64.6	63.5	59.2	53.8	48.5
67.5°	49.5	49.5	50.6	49.5	50.6	50.6	50.6	48.5	45.2	40.9	37.7
70°	36.6	36.6	36.6	37.7	38.8	38.8	37.7	35.5	33.4	31.2	28.0
72.5°	24.8	25.8	25.8	25.8	26.9	26.9	25.8	24.8	23.7	21.5	20.5
75°	16.2	15.1	16.2	16.2	17.2	17.2	16.2	16.2	15.1	14.0	12.9
77.5°	7.5	7.5	8.6	8.6	8.6	8.6	8.6	8.6	8.6	7.5	7.5
80°	2.2	2.2	2.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
82.5°	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
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°	228.3	228.3	228.3	228.3	228.3	228.3	228.3	228.3
2.5°	247.6	244.4	240.1	228.3	217.5	207.8	202.4	201.3
5°	264.9	260.6	249.8	225.0	204.6	188.4	178.7	176.6
7.5°	283.2	274.6	259.5	220.7	191.7	171.2	160.4	157.2
10°	297.2	286.4	266.0	215.3	178.7	157.2	144.3	140.0
12.5°	306.9	293.9	271.3	208.9	168.0	142.1	129.2	124.9
15°	312.3	298.3	272.4	199.2	155.0	130.3	116.3	113.1
17.5°	314.4	298.3	270.3	191.7	143.2	118.4	105.5	101.2
20°	313.3	293.9	264.9	180.9	132.4	107.7	94.8	91.5
22.5°	309.0	287.5	256.3	170.1	121.7	96.9	86.1	84.0
25°	302.6	278.9	246.6	160.4	112.0	89.4	78.6	76.4
27.5°	291.8	268.1	233.7	149.7	103.4	81.8	72.1	68.9
30°	277.8	255.2	220.7	138.9	94.8	74.3	65.7	63.5
32.5°	262.7	240.1	207.8	128.1	87.2	68.9	60.3	58.1
35°	245.5	224.0	191.7	117.4	79.7	63.5	54.9	53.8
37.5°	228.3	206.7	177.7	108.7	73.2	58.1	50.6	49.5
40°	208.9	191.7	170.1	99.1	67.8	53.8	47.4	45.2
42.5°	197.0	173.4	146.4	90.4	62.5	49.5	43.1	42.0
45°	171.2	154.0	132.4	81.8	57.1	45.2	39.8	38.8
47.5°	154.0	138.9	118.4	73.2	52.8	42.0	36.6	35.5
50°	136.7	122.7	103.4	64.6	48.5	38.8	33.4	32.3
52.5°	119.5	105.5	88.3	57.1	43.1	35.5	30.1	29.1
55°	102.3	89.4	73.2	49.5	38.8	32.3	28.0	25.8
57.5°	84.0	73.2	62.5	44.1	34.5	29.1	24.8	22.6
60°	67.8	61.4	52.8	38.8	30.1	25.8	21.5	20.5
62.5°	54.9	49.5	44.1	33.4	26.9	22.6	19.4	16.2
65°	44.1	40.9	36.6	26.9	22.6	19.4	16.2	12.9
67.5°	34.5	32.3	29.1	22.6	18.3	16.2	11.8	9.7
70°	26.9	24.8	22.6	16.2	14.0	11.8	8.6	6.5
72.5°	19.4	17.2	16.2	11.8	9.7	8.6	5.4	3.2
75°	11.8	11.8	9.7	6.5	5.4	4.3	2.2	1.1
77.5°	6.5	6.5	5.4	3.2	3.2	1.1	0.0	0.0
80°	3.2	2.2	2.2	1.1	1.1	0.0	0.0	0.0
82.5°	1.1	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)