

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: P1310284

Luminaire Tested: LDSQA3D09R709035DE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310284  
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: LDSQA3D09R709035DE010 3LSQCLSWWR 1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCLSWWR 1MMS T  
Light Source: -  
Ballast/Driver: -

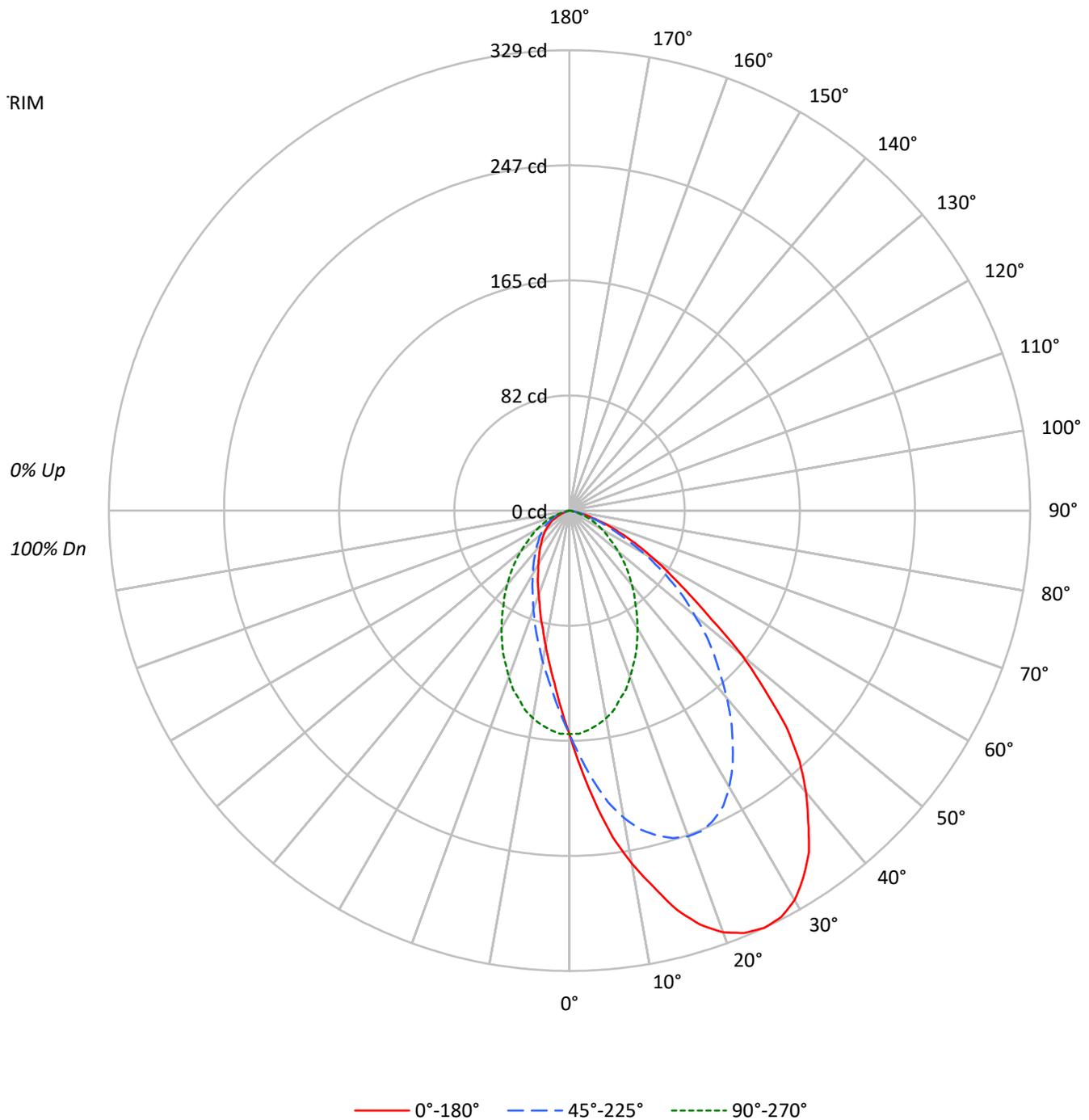
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 358.0 lumens  
Efficiency: N/A  
Efficacy: 32.3 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): 11.1  
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	0	
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	63	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°	27487	27487	27487	27487	27487
5°	36184	33452	27194	22786	21351
10°	44769	38963	26337	19219	17121
15°	52616	42827	24837	16243	14103
20°	58776	45397	23184	13801	11730
25°	62519	46348	21321	11877	10166
30°	63935	45361	19310	10321	8830
35°	62674	42743	17261	9335	7905
40°	59083	39276	15580	8453	7104
45°	53364	35584	13932	7696	6600
50°	43164	31268	12110	7261	6055
55°	31407	26903	10389	6786	5435
60°	24387	21252	9334	6234	4926
65°	18420	15323	7661	5542	3668
70°	12891	10977	5690	4179	2266
75°	7519	6521	2994	1996	532
80°	1488	2281	793	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 53364 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.6	4.4
10°-20°	46.5	13.0
20°-30°	70.1	19.6
30°-40°	78.0	21.8
40°-50°	69.1	19.3
50°-60°	46.9	13.1
60°-70°	24.6	6.9
70°-80°	7.0	2.0
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°	132.3	36.9
0°-40°	210.2	58.7
0°-60°	326.2	91.1
0°-90°	358.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	358.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	160	160	160	160	160	
5°	209	194	157	132	124	21
15°	295	240	139	91	79	84
25°	329	244	112	62	54	151
35°	298	203	82	44	38	185
45°	219	146	57	32	27	166
55°	105	90	35	23	18	97
65°	45	38	19	14	9	46
75°	11	10	4	3	1	12
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°	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6
2.5°	183.7	182.9	182.2	182.2	181.4	180.7	179.2	179.2	177.7	176.2	174.7
5°	209.3	209.3	209.3	207.0	207.0	204.0	202.5	199.5	196.5	193.5	189.7
7.5°	234.9	234.9	232.6	231.9	229.6	226.6	224.4	219.8	214.6	210.1	204.0
10°	256.0	256.0	253.7	252.2	247.7	244.7	240.2	234.9	229.6	222.8	215.3
12.5°	274.8	275.6	272.5	269.5	265.0	260.5	254.5	247.7	240.9	233.4	223.6
15°	295.1	294.4	290.6	286.8	281.6	274.8	267.3	258.2	249.2	240.2	229.6
17.5°	310.2	309.4	305.7	301.1	294.4	286.1	277.8	267.3	256.7	245.4	232.6
20°	320.7	320.0	316.2	310.2	303.4	294.4	284.6	272.5	261.2	247.7	233.4
22.5°	326.7	326.0	321.5	316.2	307.9	298.1	287.6	274.8	262.0	247.7	231.9
25°	329.0	327.5	323.0	317.0	308.7	298.1	286.1	272.5	259.0	243.9	227.4
27.5°	327.5	326.0	320.7	313.9	304.9	292.9	280.8	267.3	253.0	237.9	220.6
30°	321.5	319.2	314.7	307.9	298.1	286.1	273.3	259.0	243.9	228.1	210.8
32.5°	310.9	309.4	304.9	297.4	287.6	275.6	262.8	247.7	232.6	216.8	199.5
35°	298.1	295.1	290.6	283.8	274.0	262.0	249.2	233.4	219.1	203.3	186.7
37.5°	280.1	279.3	274.0	268.8	259.0	246.2	234.1	219.1	204.8	189.7	173.2
40°	262.8	261.2	256.7	250.7	240.9	229.6	216.8	203.3	189.0	174.7	159.6
42.5°	243.2	240.9	237.9	231.9	222.8	211.6	199.5	186.0	173.2	159.6	146.1
45°	219.1	218.3	214.6	211.6	203.3	193.5	181.4	169.4	156.6	146.1	135.5
47.5°	188.2	187.5	186.7	184.5	179.9	173.2	164.1	152.8	143.0	132.5	118.2
50°	161.1	160.4	158.9	158.1	154.3	150.6	143.8	137.0	128.7	116.7	105.4
52.5°	128.0	128.7	131.0	131.8	131.0	128.0	125.0	122.7	111.4	103.9	93.4
55°	104.6	104.6	103.9	104.6	105.4	106.9	106.9	103.9	96.4	89.6	80.6
57.5°	85.8	85.8	85.8	85.8	85.8	86.6	86.6	85.8	82.1	75.3	67.0
60°	70.8	70.0	70.0	70.8	70.0	70.0	70.8	70.8	67.0	61.7	54.2
62.5°	57.2	57.2	57.2	56.5	56.5	57.2	57.2	56.5	53.5	48.2	42.9
65°	45.2	45.2	45.2	45.2	45.2	45.9	45.2	44.4	41.4	37.6	33.9
67.5°	34.6	34.6	35.4	34.6	35.4	35.4	35.4	33.9	31.6	28.6	26.4
70°	25.6	25.6	25.6	26.4	27.1	27.1	26.4	24.8	23.3	21.8	19.6
72.5°	17.3	18.1	18.1	18.1	18.8	18.8	18.1	17.3	16.6	15.1	14.3
75°	11.3	10.5	11.3	11.3	12.0	12.0	11.3	11.3	10.5	9.8	9.0
77.5°	5.3	5.3	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.3	5.3
80°	1.5	1.5	1.5	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
82.5°	0.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
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°	159.6	159.6	159.6	159.6	159.6	159.6	159.6	159.6
2.5°	173.2	170.9	167.9	159.6	152.1	145.3	141.5	140.8
5°	185.2	182.2	174.7	157.3	143.0	131.8	125.0	123.5
7.5°	198.0	192.0	181.4	154.3	134.0	119.7	112.2	109.9
10°	207.8	200.3	186.0	150.6	125.0	109.9	100.9	97.9
12.5°	214.6	205.5	189.7	146.1	117.4	99.4	90.3	87.3
15°	218.3	208.5	190.5	139.3	108.4	91.1	81.3	79.1
17.5°	219.8	208.5	189.0	134.0	100.1	82.8	73.8	70.8
20°	219.1	205.5	185.2	126.5	92.6	75.3	66.3	64.0
22.5°	216.1	201.0	179.2	119.0	85.1	67.8	60.2	58.7
25°	211.6	195.0	172.4	112.2	78.3	62.5	55.0	53.5
27.5°	204.0	187.5	163.4	104.6	72.3	57.2	50.4	48.2
30°	194.2	178.4	154.3	97.1	66.3	51.9	45.9	44.4
32.5°	183.7	167.9	145.3	89.6	61.0	48.2	42.2	40.7
35°	171.7	156.6	134.0	82.1	55.7	44.4	38.4	37.6
37.5°	159.6	144.6	124.2	76.0	51.2	40.7	35.4	34.6
40°	146.1	134.0	119.0	69.3	47.4	37.6	33.1	31.6
42.5°	137.8	121.2	102.4	63.2	43.7	34.6	30.1	29.4
45°	119.7	107.7	92.6	57.2	39.9	31.6	27.9	27.1
47.5°	107.7	97.1	82.8	51.2	36.9	29.4	25.6	24.8
50°	95.6	85.8	72.3	45.2	33.9	27.1	23.3	22.6
52.5°	83.6	73.8	61.7	39.9	30.1	24.8	21.1	20.3
55°	71.5	62.5	51.2	34.6	27.1	22.6	19.6	18.1
57.5°	58.7	51.2	43.7	30.9	24.1	20.3	17.3	15.8
60°	47.4	42.9	36.9	27.1	21.1	18.1	15.1	14.3
62.5°	38.4	34.6	30.9	23.3	18.8	15.8	13.6	11.3
65°	30.9	28.6	25.6	18.8	15.8	13.6	11.3	9.0
67.5°	24.1	22.6	20.3	15.8	12.8	11.3	8.3	6.8
70°	18.8	17.3	15.8	11.3	9.8	8.3	6.0	4.5
72.5°	13.6	12.0	11.3	8.3	6.8	6.0	3.8	2.3
75°	8.3	8.3	6.8	4.5	3.8	3.0	1.5	0.8
77.5°	4.5	4.5	3.8	2.3	2.3	0.8	0.0	0.0
80°	2.3	1.5	1.5	0.8	0.8	0.0	0.0	0.0
82.5°	0.8	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)