

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: P1311570

Luminaire Tested: LDSQA3D13R709040DE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1311570  
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: LDSQA3D13R709040DE010 3LSQCLSWWR 1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 90CRI , 3LSQCLSWWR 1MMS T  
Light Source: -  
Ballast/Driver: -

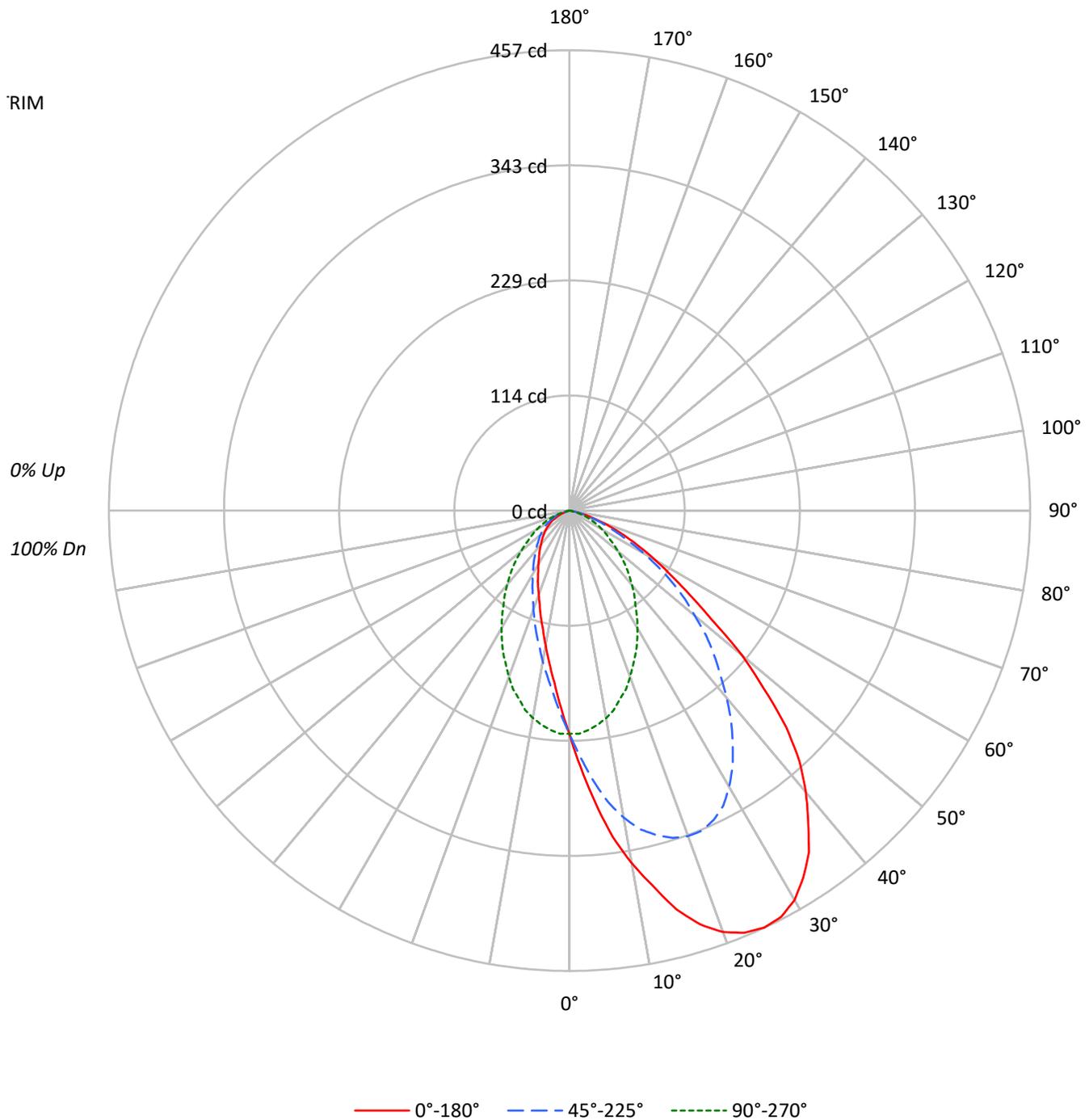
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 497.0 lumens  
Efficiency: N/A  
Efficacy: 34.0 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): 14.6  
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	102	102	102	100
1	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	90	90	90	89
2	103	96	90	86	100	94	89	85	91	86	83	88	84	81	85	82	79	79	79	79	77
3	95	86	79	73	93	84	78	73	82	76	72	79	74	70	76	73	69	69	69	69	67
4	88	77	70	64	86	76	69	63	74	67	63	71	66	62	69	65	61	61	61	61	59
5	81	70	62	56	79	69	61	56	67	60	55	65	59	55	63	58	54	54	54	54	52
6	75	64	55	50	74	63	55	49	61	54	49	59	53	49	58	52	48	48	48	48	46
7	70	58	50	44	69	57	50	44	56	49	44	54	48	44	53	48	43	43	43	43	42
8	66	53	45	40	64	53	45	40	51	45	40	50	44	39	49	43	39	39	39	39	38
9	62	49	41	36	60	49	41	36	47	41	36	46	40	36	45	40	36	36	36	36	34
10	58	45	38	33	57	45	38	33	44	37	33	43	37	33	42	37	33	33	33	33	31

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

	0°	45°	90°	135°	180°
0°	38165	38165	38165	38165	38165
5°	50239	46436	37757	31620	29632
10°	62152	54108	36550	26687	23766
15°	73049	59445	34483	22555	19559
20°	81594	63028	32183	19152	16275
25°	86785	64343	29587	16494	14100
30°	88754	62981	26807	14338	12270
35°	87020	59331	23947	12972	10996
40°	82015	54519	21628	11758	9870
45°	74066	49394	19339	10692	9158
50°	59936	43405	16799	10074	8413
55°	43628	37352	14443	9428	7537
60°	33825	29519	12951	8646	6854
65°	25551	21313	10636	7661	5094
70°	17876	15257	7906	5791	3172
75°	10447	9050	4192	2795	665
80°	2083	3075	992	0	0
85°	0	0	0	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 74066 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	21.7	4.4
10°-20°	64.6	13.0
20°-30°	97.4	19.6
30°-40°	108.2	21.8
40°-50°	95.9	19.3
50°-60°	65.1	13.1
60°-70°	34.1	6.9
70°-80°	9.7	1.9
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°	183.6	36.9
0°-40°	291.8	58.7
0°-60°	452.9	91.1
0°-90°	497.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	497.0	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	222	222	222	222	222	
5°	291	269	218	183	171	30
15°	410	333	193	126	110	116
25°	457	339	156	87	74	210
35°	414	282	114	62	52	257
45°	304	203	79	44	38	230
55°	145	124	48	31	25	134
65°	63	52	26	19	12	63
75°	16	14	6	4	1	17
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°	221.6	221.6	221.6	221.6	221.6	221.6	221.6	221.6	221.6	221.6	221.6
2.5°	255.0	254.0	252.9	252.9	251.9	250.8	248.8	248.8	246.7	244.6	242.5
5°	290.6	290.6	290.6	287.4	287.4	283.2	281.2	277.0	272.8	268.6	263.4
7.5°	326.1	326.1	323.0	321.9	318.8	314.6	311.5	305.2	297.9	291.6	283.2
10°	355.4	355.4	352.2	350.1	343.9	339.7	333.4	326.1	318.8	309.4	298.9
12.5°	381.5	382.5	378.4	374.2	367.9	361.6	353.3	343.9	334.5	324.0	310.4
15°	409.7	408.7	403.4	398.2	390.9	381.5	371.0	358.5	346.0	333.4	318.8
17.5°	430.6	429.6	424.3	418.1	408.7	397.2	385.7	371.0	356.4	340.7	323.0
20°	445.2	444.2	439.0	430.6	421.2	408.7	395.1	378.4	362.7	343.9	324.0
22.5°	453.6	452.6	446.3	439.0	427.5	413.9	399.3	381.5	363.7	343.9	321.9
25°	456.7	454.7	448.4	440.0	428.5	413.9	397.2	378.4	359.5	338.6	315.6
27.5°	454.7	452.6	445.2	435.8	423.3	406.6	389.9	371.0	351.2	330.3	306.2
30°	446.3	443.2	436.9	427.5	413.9	397.2	379.4	359.5	338.6	316.7	292.7
32.5°	431.7	429.6	423.3	412.8	399.3	382.5	364.8	343.9	323.0	301.0	277.0
35°	413.9	409.7	403.4	394.0	380.4	363.7	346.0	324.0	304.1	282.2	259.2
37.5°	388.8	387.8	380.4	373.1	359.5	341.8	325.1	304.1	284.3	263.4	240.4
40°	364.8	362.7	356.4	348.0	334.5	318.8	301.0	282.2	262.3	242.5	221.6
42.5°	337.6	334.5	330.3	321.9	309.4	293.7	277.0	258.2	240.4	221.6	202.8
45°	304.1	303.1	297.9	293.7	282.2	268.6	251.9	235.2	217.4	202.8	188.1
47.5°	261.3	260.3	259.2	256.1	249.8	240.4	227.9	212.2	198.6	184.0	164.1
50°	223.7	222.6	220.5	219.5	214.3	209.0	199.6	190.2	178.7	162.0	146.3
52.5°	177.7	178.7	181.9	182.9	181.9	177.7	173.5	170.4	154.7	144.2	129.6
55°	145.3	145.3	144.2	145.3	146.3	148.4	148.4	144.2	133.8	124.4	111.8
57.5°	119.2	119.2	119.2	119.2	119.2	120.2	120.2	119.2	113.9	104.5	93.0
60°	98.2	97.2	97.2	98.2	97.2	97.2	98.2	98.2	93.0	85.7	75.3
62.5°	79.4	79.4	79.4	78.4	78.4	79.4	79.4	78.4	74.2	66.9	59.6
65°	62.7	62.7	62.7	62.7	62.7	63.8	62.7	61.7	57.5	52.3	47.0
67.5°	48.1	48.1	49.1	48.1	49.1	49.1	49.1	47.0	43.9	39.7	36.6
70°	35.5	35.5	35.5	36.6	37.6	37.6	36.6	34.5	32.4	30.3	27.2
72.5°	24.0	25.1	25.1	25.1	26.1	26.1	25.1	24.0	23.0	20.9	19.9
75°	15.7	14.6	15.7	15.7	16.7	16.7	15.7	15.7	14.6	13.6	12.5
77.5°	7.3	7.3	8.4	8.4	8.4	8.4	8.4	8.4	8.4	7.3	7.3
80°	2.1	2.1	2.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
82.5°	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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°	221.6	221.6	221.6	221.6	221.6	221.6	221.6	221.6
2.5°	240.4	237.3	233.1	221.6	211.1	201.7	196.5	195.4
5°	257.1	252.9	242.5	218.4	198.6	182.9	173.5	171.4
7.5°	274.9	266.5	251.9	214.3	186.0	166.2	155.7	152.6
10°	288.5	278.0	258.2	209.0	173.5	152.6	140.1	135.9
12.5°	297.9	285.3	263.4	202.8	163.0	138.0	125.4	121.2
15°	303.1	289.5	264.4	193.4	150.5	126.5	112.9	109.7
17.5°	305.2	289.5	262.3	186.0	139.0	115.0	102.4	98.2
20°	304.1	285.3	257.1	175.6	128.6	104.5	92.0	88.8
22.5°	300.0	279.1	248.8	165.1	118.1	94.1	83.6	81.5
25°	293.7	270.7	239.3	155.7	108.7	86.8	76.3	74.2
27.5°	283.2	260.3	226.8	145.3	100.3	79.4	70.0	66.9
30°	269.7	247.7	214.3	134.8	92.0	72.1	63.8	61.7
32.5°	255.0	233.1	201.7	124.4	84.7	66.9	58.5	56.4
35°	238.3	217.4	186.0	113.9	77.3	61.7	53.3	52.3
37.5°	221.6	200.7	172.5	105.6	71.1	56.4	49.1	48.1
40°	202.8	186.0	165.1	96.2	65.8	52.3	46.0	43.9
42.5°	191.3	168.3	142.1	87.8	60.6	48.1	41.8	40.8
45°	166.2	149.5	128.6	79.4	55.4	43.9	38.7	37.6
47.5°	149.5	134.8	115.0	71.1	51.2	40.8	35.5	34.5
50°	132.7	119.2	100.3	62.7	47.0	37.6	32.4	31.4
52.5°	116.0	102.4	85.7	55.4	41.8	34.5	29.3	28.2
55°	99.3	86.8	71.1	48.1	37.6	31.4	27.2	25.1
57.5°	81.5	71.1	60.6	42.9	33.4	28.2	24.0	21.9
60°	65.8	59.6	51.2	37.6	29.3	25.1	20.9	19.9
62.5°	53.3	48.1	42.9	32.4	26.1	21.9	18.8	15.7
65°	42.9	39.7	35.5	26.1	21.9	18.8	15.7	12.5
67.5°	33.4	31.4	28.2	21.9	17.8	15.7	11.5	9.4
70°	26.1	24.0	21.9	15.7	13.6	11.5	8.4	6.3
72.5°	18.8	16.7	15.7	11.5	9.4	8.4	5.2	3.1
75°	11.5	11.5	9.4	6.3	5.2	4.2	2.1	1.0
77.5°	6.3	6.3	5.2	3.1	3.1	1.0	0.0	0.0
80°	3.1	2.1	2.1	1.0	1.0	0.0	0.0	0.0
82.5°	1.0	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)