

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: P1315707

Luminaire Tested: LDSQA3D13R709735DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1315707  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-45)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R709735DE010 3LSQCLDWWR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , 3LSQCLDWWR1MW TR  
Light Source: -  
Ballast/Driver: -

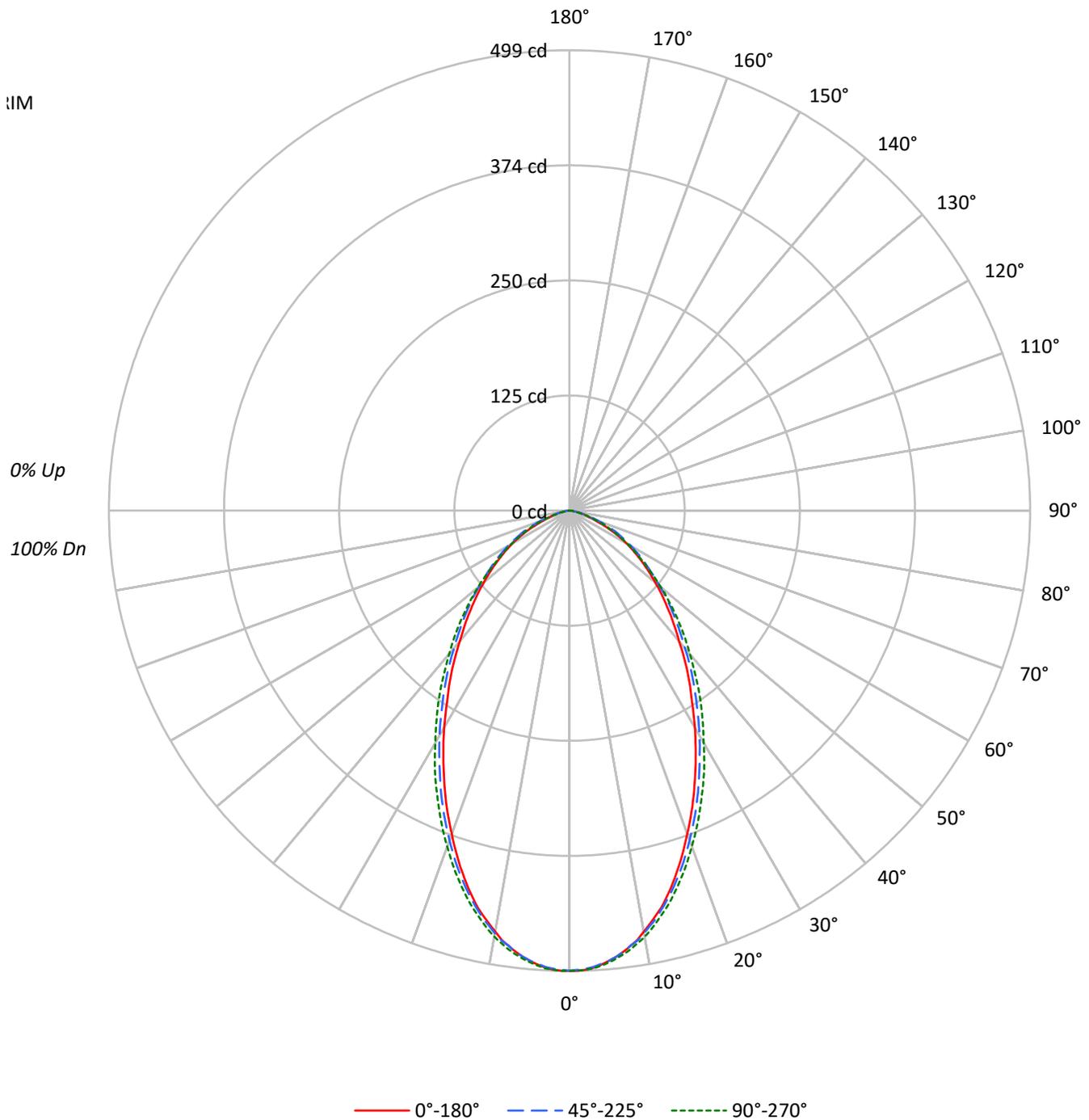
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 749.0 lumens  
Efficiency: N/A  
Efficacy: 51.3 lumens/watt  
Spacing Criteria (0/90/45): 0.9 / 0.94 / 1.01  
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 (A<sub>in</sub>): 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	100	100
1	111	107	104	101	109	105	102	99	101	98	96	97	95	93	94	92	91	89	89	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78	78	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	68	68	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	61	61	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	54	54	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	49	49	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	44	44	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	40	40	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	37	37	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	34	34	34

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

	0°	45°	90°
0°	85905	85905	85905
5°	84677	84677	84988
10°	81057	81371	82018
15°	75545	76187	77150
20°	68362	69681	71019
25°	61075	62785	64514
30°	54012	56001	57790
35°	47578	49681	51762
40°	41524	43750	45594
45°	36826	38799	40139
50°	32500	34188	34697
55°	28555	30176	29366
60°	24628	26522	25248
65°	19561	22862	20661
70°	14150	17775	15509
75°	10846	11445	9649
80°	7141	7141	5356
85°	3557	3557	3557

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 40139 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.0	6.1
10°-20°	119.4	15.9
20°-30°	151.7	20.3
30°-40°	147.6	19.7
40°-50°	122.7	16.4
50°-60°	88.5	11.8
60°-70°	52.1	7.0
70°-80°	18.4	2.5
80°-90°	2.7	0.4
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°	317.1	42.3
0°-40°	464.6	62.0
0°-60°	675.8	90.2
0°-90°	749.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	749.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	499	499	499	499	499	
5°	490	489	490	490	492	46
15°	424	424	427	430	433	118
25°	321	325	330	337	340	148
35°	226	229	236	243	246	141
45°	151	154	159	163	165	117
55°	95	98	100	100	98	85
65°	48	52	56	53	51	48
75°	16	17	17	15	14	18
85°	2	2	2	2	2	3
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	498.8	498.8	498.8	498.8	498.8
1°	498.8	497.9	497.9	497.9	498.8
2°	497.9	497.0	497.0	497.0	497.9
3°	496.1	495.2	495.2	495.2	497.0
4°	493.4	491.6	492.5	492.5	494.3
5°	489.8	488.9	489.8	489.8	491.6
6°	486.2	485.2	486.2	486.2	488.0
7°	481.6	480.7	481.6	482.5	484.3
8°	476.2	475.3	476.2	477.1	479.8
9°	470.8	469.9	471.7	472.6	474.4
10°	463.5	463.5	465.3	466.2	469.0
11°	456.3	456.3	458.1	459.9	462.6
12°	449.0	449.0	451.7	453.6	455.4
13°	441.8	440.9	443.6	445.4	448.1
14°	432.7	431.8	435.5	438.2	440.9
15°	423.7	423.7	427.3	430.0	432.7
17.5°	399.2	400.1	404.7	408.3	411.0
20°	373.0	375.7	380.2	384.8	387.5
22.5°	347.6	349.4	355.8	361.2	363.9
25°	321.4	325.0	330.4	336.8	339.5
27.5°	296.0	299.7	305.1	311.4	316.0
30°	271.6	274.3	281.6	287.9	290.6
32.5°	247.1	250.8	258.0	264.4	268.0
35°	226.3	229.0	236.3	242.6	246.2
37.5°	205.5	208.2	215.5	220.9	223.6
40°	184.7	189.2	194.6	200.1	202.8
42.5°	167.5	171.1	176.5	181.1	183.8
45°	151.2	153.9	159.3	163.0	164.8
47.5°	135.8	138.5	143.9	145.8	146.7
50°	121.3	124.0	127.6	128.6	129.5
52.5°	107.7	109.5	113.2	113.2	112.3
55°	95.1	97.8	100.5	99.6	97.8
57.5°	83.3	84.2	88.7	86.9	85.1
60°	71.5	73.3	77.0	75.1	73.3
62.5°	59.8	61.6	66.1	64.3	61.6
65°	48.0	51.6	56.1	53.4	50.7
67.5°	36.2	40.7	45.3	42.5	40.7
70°	28.1	31.7	35.3	32.6	30.8
72.5°	21.7	23.5	25.3	23.5	21.7
75°	16.3	17.2	17.2	15.4	14.5
77.5°	11.8	12.7	10.9	9.1	9.1
80°	7.2	8.1	7.2	5.4	5.4
82.5°	3.6	4.5	3.6	3.6	3.6
85°	1.8	1.8	1.8	1.8	1.8
87.5°	0.9	0.9	0.9	0.9	0.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)