

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: P1313594

Luminaire Tested: LDSQA3D09R709727DE010 3LSQCLDWWR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313594  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D09R709727DE010 3LSQCLDWWR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , 3LSQCLDWWR1MMS T  
Light Source: -  
Ballast/Driver: -

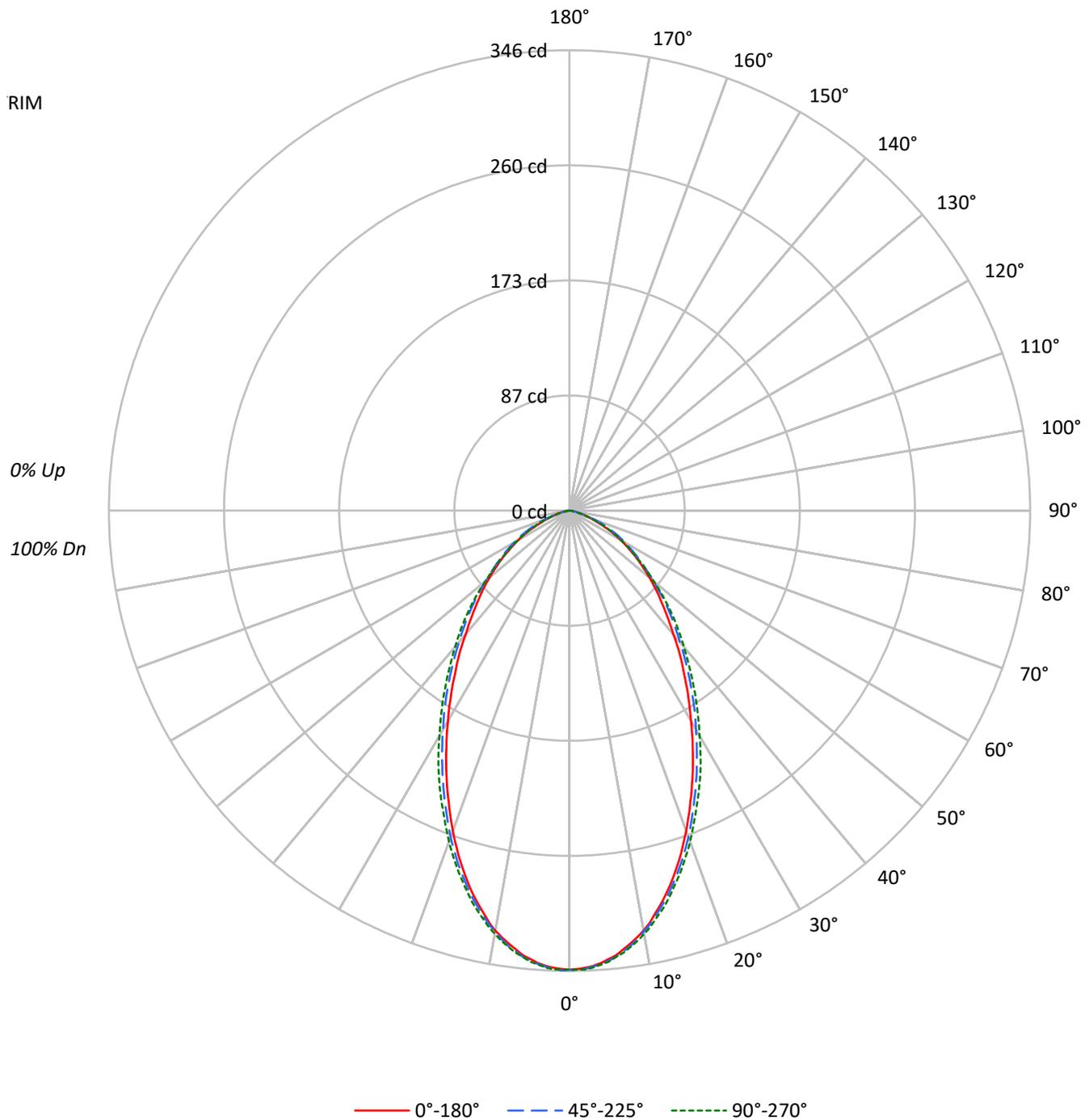
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 494.0 lumens  
Efficiency: N/A  
Efficacy: 44.5 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 0.99  
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 (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				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	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	91	91	91	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	80	80	80	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	71	71	71	69
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	64	64	64	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	57	57	57	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	52	52	52	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	47	47	47	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	43	43	43	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	40	40	40	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

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

	0°	45°	90°
0°	59434	59434	59434
5°	58485	58710	58814
10°	56066	56171	56486
15°	52010	52455	52901
20°	46955	47853	48531
25°	41578	42737	43801
30°	36313	37784	38878
35°	31579	33240	34270
40°	27293	29069	30036
45°	23893	25525	26280
50°	21033	21997	21997
55°	18226	19127	18586
60°	15397	16464	15638
65°	11981	13733	12470
70°	8661	10172	8661
75°	6521	6122	4924
80°	4265	3075	1190
85°	1186	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 26280 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	31.8	6.4
10°-20°	82.1	16.6
20°-30°	103.1	20.9
30°-40°	98.5	19.9
40°-50°	80.1	16.2
50°-60°	56.0	11.3
60°-70°	31.6	6.4
70°-80°	10.0	2.0
80°-90°	0.8	0.2
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°	217.0	43.9
0°-40°	315.5	63.9
0°-60°	451.6	91.4
0°-90°	494.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	494.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	345	345	345	345	345	
5°	338	339	340	339	340	32
15°	292	292	294	295	297	81
25°	219	221	225	229	230	100
35°	150	153	158	161	163	94
45°	98	100	105	107	108	76
55°	61	61	64	62	62	54
65°	29	31	34	32	31	30
75°	10	10	9	8	7	11
85°	1	1	0	0	0	1
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	345.1	345.1	345.1	345.1	345.1
1°	344.5	345.1	345.7	344.5	345.1
2°	343.8	344.5	344.5	343.8	345.1
3°	342.6	343.2	343.2	342.6	343.8
4°	340.8	341.4	341.4	340.8	342.0
5°	338.3	338.9	339.6	338.9	340.2
6°	335.9	336.5	337.1	336.5	337.1
7°	332.2	333.4	333.4	333.4	334.7
8°	328.5	329.7	330.4	329.7	331.0
9°	324.8	325.5	326.1	326.1	327.3
10°	320.6	321.2	321.2	321.8	323.0
11°	315.7	315.7	316.9	316.9	318.7
12°	309.5	310.1	311.4	312.0	313.2
13°	304.0	304.6	305.8	306.5	308.3
14°	297.9	299.1	300.3	300.9	302.8
15°	291.7	292.4	294.2	294.8	296.7
17.5°	274.6	275.2	278.3	279.5	281.3
20°	256.2	258.0	261.1	262.9	264.8
22.5°	237.2	239.0	242.7	245.8	247.0
25°	218.8	221.3	224.9	228.6	230.5
27.5°	200.4	202.9	207.2	210.8	213.3
30°	182.6	185.1	190.0	193.1	195.5
32.5°	166.1	168.6	174.1	177.1	179.0
35°	150.2	152.6	158.1	161.2	163.0
37.5°	136.1	138.5	143.4	146.5	147.7
40°	121.4	124.4	129.3	132.4	133.6
42.5°	109.1	111.6	116.5	118.9	120.7
45°	98.1	100.5	104.8	106.6	107.9
47.5°	88.3	89.5	93.2	93.8	95.0
50°	78.5	79.7	82.1	82.7	82.1
52.5°	69.3	70.5	72.3	71.7	71.7
55°	60.7	61.3	63.7	62.5	61.9
57.5°	52.1	53.3	55.8	53.9	53.3
60°	44.7	46.0	47.8	46.6	45.4
62.5°	37.4	38.0	41.1	38.6	37.4
65°	29.4	31.3	33.7	31.9	30.6
67.5°	22.1	25.1	27.6	25.1	23.9
70°	17.2	18.4	20.2	19.0	17.2
72.5°	12.9	13.5	14.1	12.9	11.6
75°	9.8	9.8	9.2	8.0	7.4
77.5°	6.7	6.7	5.5	3.7	3.7
80°	4.3	4.3	3.1	1.2	1.2
82.5°	1.8	1.8	1.2	0.6	0.6
85°	0.6	0.6	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)