

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: P1313909

Luminaire Tested: LDSQA3D17R709727DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1313909  
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: LDSQA3D17R709727DE010 3LSQCLDWWR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , 3LSQCLDWWR1MW TR  
Light Source: -  
Ballast/Driver: -

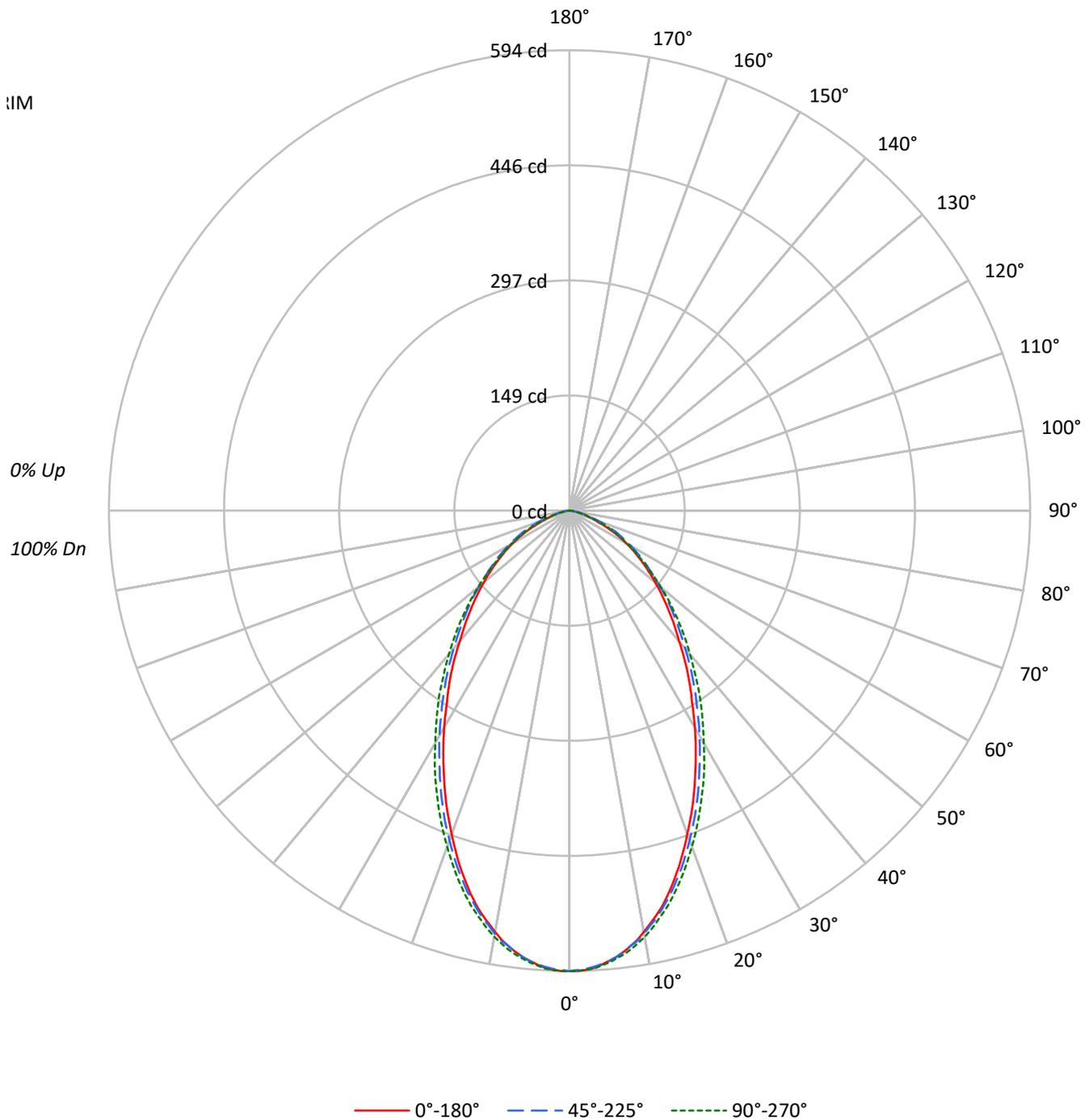
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 892.0 lumens  
Efficiency: N/A  
Efficacy: 42.1 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): 21.2  
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	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	109	105	102	99	101	98	96	97	95	93	94	92	91	91	91	91	89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	80	80	80	78
3	95	87	80	75	93	85	79	74	82	77	73	80	75	71	77	74	70	70	70	70	68
4	89	78	71	65	87	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	61
5	83	71	64	58	81	70	63	58	68	62	57	67	61	57	65	60	56	56	56	56	54
6	77	65	58	52	75	64	57	52	63	56	51	61	55	51	60	55	51	51	51	51	49
7	72	60	52	47	70	59	52	47	58	51	47	57	51	46	55	50	46	46	46	46	44
8	68	56	48	43	66	55	48	43	54	47	42	53	47	42	51	46	42	42	42	42	40
9	64	52	44	39	62	51	44	39	50	44	39	49	43	39	48	43	39	39	39	39	37
10	60	48	41	36	59	48	41	36	47	40	36	46	40	36	45	40	36	36	36	36	34

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

	0°	45°	90°
0°	102317	102317	102317
5°	100841	100841	101204
10°	96533	96918	97670
15°	89969	90736	91895
20°	81411	82987	84563
25°	72723	74775	76828
30°	64313	66680	68827
35°	56661	59163	61665
40°	49438	52113	54294
45°	43865	46228	47786
50°	38716	40725	41315
55°	33990	35941	34950
60°	29347	31551	30070
65°	23269	27222	24614
70°	16818	21149	18480
75°	12909	13641	11512
80°	8529	8529	6447
85°	4347	4347	4347

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 47786 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	54.8	6.1
10°-20°	142.2	15.9
20°-30°	180.6	20.3
30°-40°	175.7	19.7
40°-50°	146.1	16.4
50°-60°	105.4	11.8
60°-70°	62.0	6.9
70°-80°	22.0	2.5
80°-90°	3.2	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°	377.6	42.3
0°-40°	553.3	62.0
0°-60°	804.8	90.2
0°-90°	892.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	892.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	594	594	594	594	594	
5°	583	582	583	583	585	55
15°	505	505	509	512	515	141
25°	383	387	394	401	404	176
35°	270	273	281	289	293	168
45°	180	183	190	194	196	139
55°	113	116	120	119	116	102
65°	57	62	67	64	60	57
75°	19	20	20	18	17	21
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°	594.1	594.1	594.1	594.1	594.1
1°	594.1	593.0	593.0	593.0	594.1
2°	593.0	591.9	591.9	591.9	593.0
3°	590.8	589.7	589.7	589.7	591.9
4°	587.6	585.4	586.5	586.5	588.7
5°	583.3	582.2	583.3	583.3	585.4
6°	579.0	577.9	579.0	579.0	581.1
7°	573.6	572.5	573.6	574.7	576.8
8°	567.1	566.0	567.1	568.2	571.4
9°	560.6	559.6	561.7	562.8	565.0
10°	552.0	552.0	554.2	555.2	558.5
11°	543.4	543.4	545.5	547.7	550.9
12°	534.8	534.8	538.0	540.2	542.3
13°	526.1	525.1	528.3	530.5	533.7
14°	515.4	514.3	518.6	521.8	525.1
15°	504.6	504.6	508.9	512.1	515.4
17.5°	475.5	476.5	481.9	486.2	489.5
20°	444.2	447.4	452.8	458.2	461.4
22.5°	414.0	416.2	423.7	430.2	433.4
25°	382.7	387.1	393.5	401.1	404.3
27.5°	352.6	356.9	363.3	370.9	376.3
30°	323.4	326.7	335.3	342.9	346.1
32.5°	294.3	298.6	307.3	314.8	319.1
35°	269.5	272.8	281.4	288.9	293.3
37.5°	244.7	248.0	256.6	263.1	266.3
40°	219.9	225.3	231.8	238.3	241.5
42.5°	199.5	203.8	210.2	215.6	218.9
45°	180.1	183.3	189.8	194.1	196.2
47.5°	161.7	165.0	171.4	173.6	174.7
50°	144.5	147.7	152.0	153.1	154.2
52.5°	128.3	130.5	134.8	134.8	133.7
55°	113.2	116.4	119.7	118.6	116.4
57.5°	99.2	100.3	105.7	103.5	101.3
60°	85.2	87.3	91.6	89.5	87.3
62.5°	71.2	73.3	78.7	76.5	73.3
65°	57.1	61.5	66.8	63.6	60.4
67.5°	43.1	48.5	53.9	50.7	48.5
70°	33.4	37.7	42.0	38.8	36.7
72.5°	25.9	28.0	30.2	28.0	25.9
75°	19.4	20.5	20.5	18.3	17.3
77.5°	14.0	15.1	12.9	10.8	10.8
80°	8.6	9.7	8.6	6.5	6.5
82.5°	4.3	5.4	4.3	4.3	4.3
85°	2.2	2.2	2.2	2.2	2.2
87.5°	1.1	1.1	1.1	1.1	1.1



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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)