

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: P1314880

Luminaire Tested: LDSQA3D17R709730DE010 3LSQCLDWWR1MMS

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1314880  
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: LDSQA3D17R709730DE010 3LSQCLDWWR1MMS  
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCLDWWR1MMS T  
Light Source: -  
Ballast/Driver: -

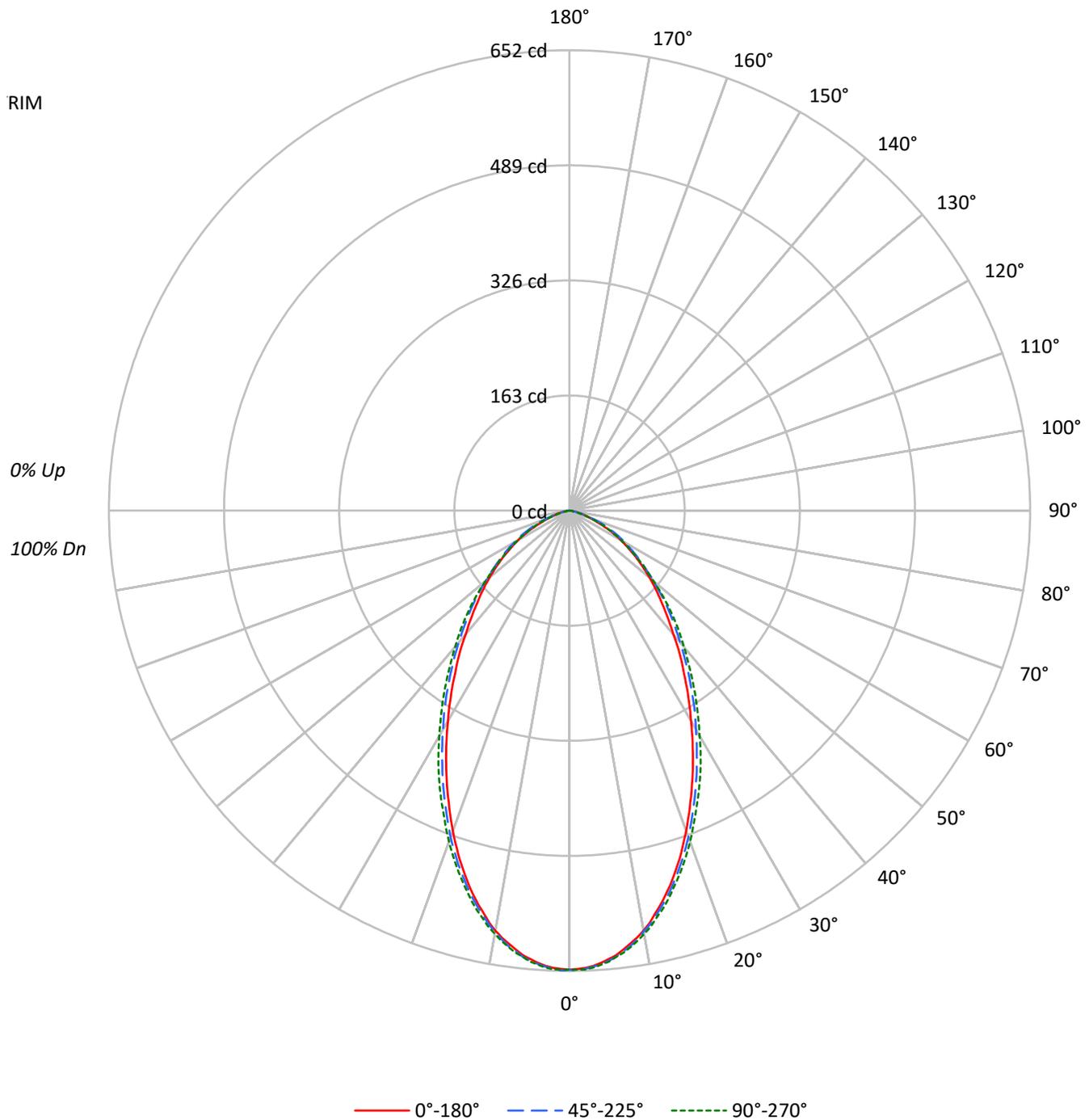
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 931.0 lumens  
Efficiency: N/A  
Efficacy: 43.9 lumens/watt  
Spacing Criteria (0/90/45): 0.89 / 0.93 / 1  
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 (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	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°	111996	111996	111996
5°	110229	110626	110834
10°	105645	105855	106449
15°	98028	98866	99686
20°	88485	90190	91454
25°	78367	80552	82529
30°	68450	71214	73282
35°	59499	62653	64608
40°	51416	54789	56610
45°	45010	48103	49516
50°	39627	41476	41476
55°	34350	36061	35040
60°	29037	31035	29450
65°	22576	25877	23554
70°	16265	19185	16265
75°	12310	11512	9249
80°	8034	5752	2281
85°	2371	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 49516 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.0	6.4
10°-20°	154.8	16.6
20°-30°	194.3	20.9
30°-40°	185.6	19.9
40°-50°	150.9	16.2
50°-60°	105.6	11.3
60°-70°	59.6	6.4
70°-80°	18.9	2.0
80°-90°	1.5	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°	409.0	43.9
0°-40°	594.5	63.9
0°-60°	851.0	91.4
0°-90°	931.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	931.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	650	650	650	650	650	
5°	638	639	640	639	641	60
15°	550	551	554	556	559	153
25°	412	417	424	431	434	189
35°	283	288	298	304	307	177
45°	185	189	198	201	203	143
55°	114	116	120	118	117	102
65°	55	59	64	60	58	56
75°	18	18	17	15	14	20
85°	1	1	0	0	0	2
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	650.3	650.3	650.3	650.3	650.3
1°	649.2	650.3	651.5	649.2	650.3
2°	648.0	649.2	649.2	648.0	650.3
3°	645.7	646.9	646.9	645.7	648.0
4°	642.2	643.4	643.4	642.2	644.6
5°	637.6	638.8	639.9	638.8	641.1
6°	633.0	634.2	635.3	634.2	635.3
7°	626.1	628.4	628.4	628.4	630.7
8°	619.1	621.4	622.6	621.4	623.8
9°	612.2	613.4	614.5	614.5	616.8
10°	604.1	605.3	605.3	606.4	608.7
11°	594.9	594.9	597.2	597.2	600.7
12°	583.3	584.5	586.8	588.0	590.3
13°	572.9	574.1	576.4	577.6	581.0
14°	561.4	563.7	566.0	567.2	570.6
15°	549.8	551.0	554.5	555.6	559.1
17.5°	517.5	518.6	524.4	526.7	530.2
20°	482.8	486.3	492.1	495.5	499.0
22.5°	447.0	450.5	457.4	463.2	465.5
25°	412.4	417.0	423.9	430.9	434.3
27.5°	377.7	382.3	390.4	397.4	402.0
30°	344.2	348.8	358.1	363.9	368.5
32.5°	313.0	317.7	328.1	333.8	337.3
35°	283.0	287.6	298.0	303.8	307.3
37.5°	256.4	261.1	270.3	276.1	278.4
40°	228.7	234.5	243.7	249.5	251.8
42.5°	205.6	210.2	219.5	224.1	227.6
45°	184.8	189.4	197.5	201.0	203.3
47.5°	166.3	168.6	175.6	176.7	179.0
50°	147.9	150.2	154.8	155.9	154.8
52.5°	130.5	132.8	136.3	135.1	135.1
55°	114.4	115.5	120.1	117.8	116.7
57.5°	98.2	100.5	105.1	101.6	100.5
60°	84.3	86.6	90.1	87.8	85.5
62.5°	70.5	71.6	77.4	72.8	70.5
65°	55.4	58.9	63.5	60.1	57.8
67.5°	41.6	47.4	52.0	47.4	45.0
70°	32.3	34.7	38.1	35.8	32.3
72.5°	24.3	25.4	26.6	24.3	21.9
75°	18.5	18.5	17.3	15.0	13.9
77.5°	12.7	12.7	10.4	6.9	6.9
80°	8.1	8.1	5.8	2.3	2.3
82.5°	3.5	3.5	2.3	1.2	1.2
85°	1.2	1.2	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)