

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: P1310607

Luminaire Tested: LDSQA3D17R709035DE010 3LSQCLDWWR1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1310607  
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: LDSQA3D17R709035DE010 3LSQCLDWWR1MW  
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 90CRI , 3LSQCLDWWR1MW TR  
Light Source: -  
Ballast/Driver: -

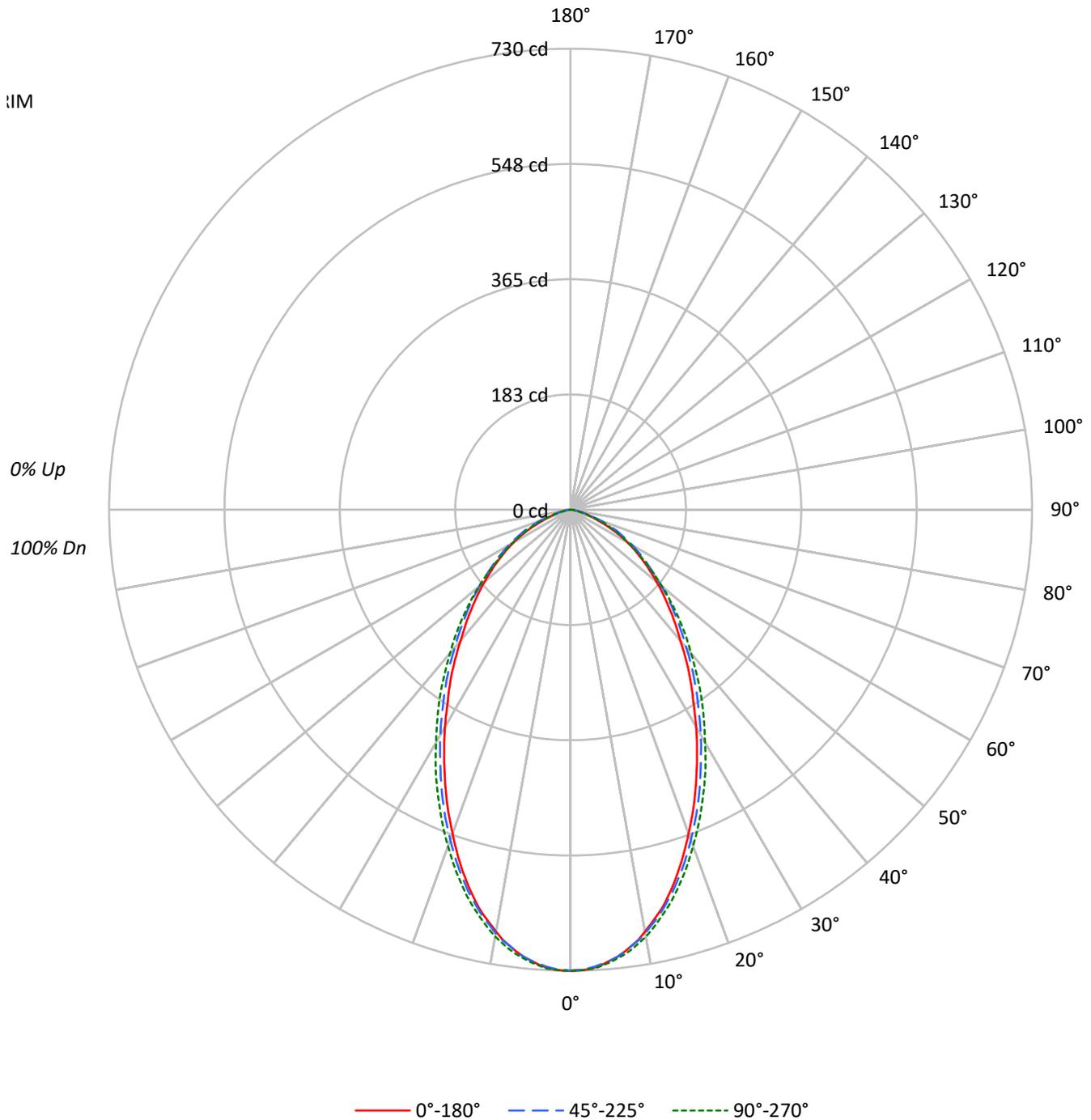
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1096.0 lumens  
Efficiency: N/A  
Efficacy: 51.7 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°	125705	125705	125705
5°	123903	123903	124353
10°	118621	119075	120002
15°	110545	111490	112898
20°	100032	101974	103917
25°	89370	91878	94405
30°	79029	81933	84558
35°	69633	72703	75751
40°	60747	64029	66704
45°	53875	56798	58722
50°	47558	50049	50746
55°	41766	44138	42967
60°	36063	38785	36959
65°	28607	33457	30238
70°	20696	26033	22660
75°	15837	16769	14107
80°	10513	10513	7835
85°	5138	5138	5138

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 58722 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.3	6.1
10°-20°	174.7	15.9
20°-30°	222.0	20.3
30°-40°	215.9	19.7
40°-50°	179.5	16.4
50°-60°	129.5	11.8
60°-70°	76.2	7.0
70°-80°	27.0	2.5
80°-90°	3.9	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°	463.9	42.3
0°-40°	679.9	62.0
0°-60°	988.9	90.2
0°-90°	1096.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1096.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	730	730	730	730	730	
5°	717	715	717	717	719	67
15°	620	620	625	629	633	173
25°	470	476	484	493	497	216
35°	331	335	346	355	360	207
45°	221	225	233	238	241	171
55°	139	143	147	146	143	125
65°	70	76	82	78	74	70
75°	24	25	25	22	21	26
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	729.9	729.9	729.9	729.9	729.9
1°	729.9	728.6	728.6	728.6	729.9
2°	728.6	727.3	727.3	727.3	728.6
3°	725.9	724.6	724.6	724.6	727.3
4°	722.0	719.3	720.7	720.7	723.3
5°	716.7	715.4	716.7	716.7	719.3
6°	711.4	710.1	711.4	711.4	714.0
7°	704.8	703.4	704.8	706.1	708.7
8°	696.8	695.5	696.8	698.1	702.1
9°	688.9	687.5	690.2	691.5	694.2
10°	678.3	678.3	680.9	682.2	686.2
11°	667.7	667.7	670.3	673.0	676.9
12°	657.1	657.1	661.0	663.7	666.3
13°	646.5	645.1	649.1	651.8	655.7
14°	633.2	631.9	637.2	641.2	645.1
15°	620.0	620.0	625.3	629.2	633.2
17.5°	584.2	585.5	592.2	597.5	601.4
20°	545.8	549.8	556.4	563.0	567.0
22.5°	508.7	511.3	520.6	528.6	532.5
25°	470.3	475.6	483.5	492.8	496.8
27.5°	433.2	438.5	446.4	455.7	462.3
30°	397.4	401.4	412.0	421.3	425.2
32.5°	361.7	366.9	377.5	386.8	392.1
35°	331.2	335.2	345.8	355.0	360.3
37.5°	300.7	304.7	315.3	323.2	327.2
40°	270.2	276.9	284.8	292.8	296.7
42.5°	245.1	250.4	258.3	264.9	268.9
45°	221.2	225.2	233.2	238.5	241.1
47.5°	198.7	202.7	210.6	213.3	214.6
50°	177.5	181.5	186.8	188.1	189.4
52.5°	157.6	160.3	165.6	165.6	164.3
55°	139.1	143.1	147.0	145.7	143.1
57.5°	121.9	123.2	129.8	127.2	124.5
60°	104.7	107.3	112.6	110.0	107.3
62.5°	87.4	90.1	96.7	94.1	90.1
65°	70.2	75.5	82.1	78.2	74.2
67.5°	53.0	59.6	66.2	62.3	59.6
70°	41.1	46.4	51.7	47.7	45.0
72.5°	31.8	34.4	37.1	34.4	31.8
75°	23.8	25.2	25.2	22.5	21.2
77.5°	17.2	18.5	15.9	13.2	13.2
80°	10.6	11.9	10.6	7.9	7.9
82.5°	5.3	6.6	5.3	5.3	5.3
85°	2.6	2.6	2.6	2.6	2.6
87.5°	1.3	1.3	1.3	1.3	1.3



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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)