

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: P1313907

Luminaire Tested: LDSQA3D17R709727DE010 3LSQCLDWWR1MB

Issue Date: 1/29/2026

**Test Information**

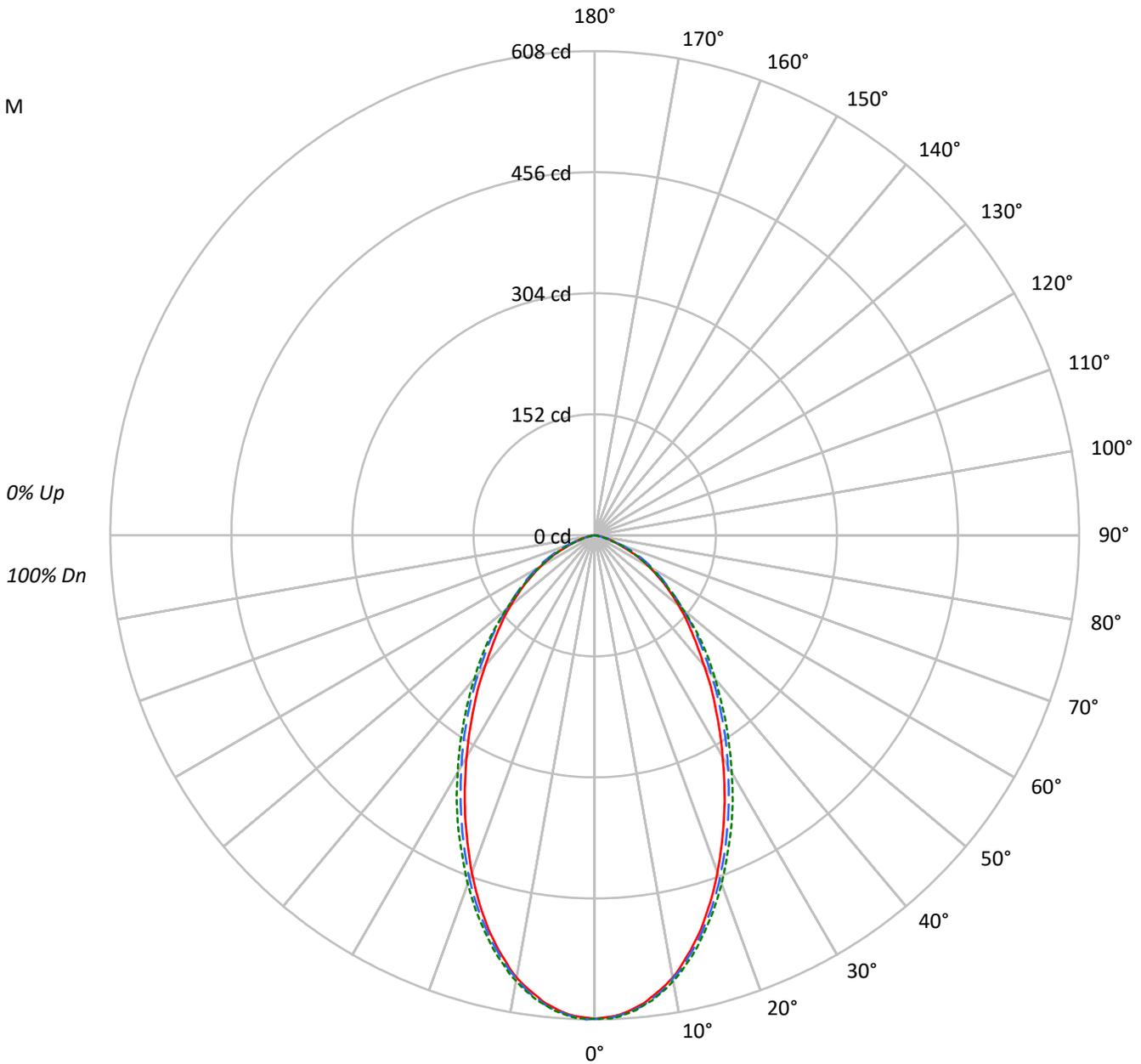
Test Method: LM-79-2019  
Report Number: P1313907  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R709727DE010 3LSQCLDWWR1MB  
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , 3LSQCLDWWR1MB TRI  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 869.0 lumens  
Efficiency: N/A  
Efficacy: 41.0 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 (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



— 0°-180°    - - 45°-225°    - - - 90°-270°



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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	100	100	100	100
1	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89	89	89	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79	79	79	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69	69	69	69
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62	62	62	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55	55	55	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50	50	50	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45	45	45	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41	41	41	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38	38	38	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35	35	35	35

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

	0°	45°	90°
0°	104539	104539	104539
5°	102898	103262	103452
10°	98615	98807	99367
15°	91503	92269	93036
20°	82602	84178	85370
25°	73141	75194	77037
30°	63896	66461	68390
35°	55547	58490	60298
40°	47999	51147	52833
45°	42014	44912	46228
50°	36974	38716	38716
55°	32038	33659	32698
60°	27108	28968	27487
65°	21109	24166	21965
70°	15207	17926	15207
75°	11512	10780	8584
80°	7438	5356	2182
85°	2174	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 46228 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	56.0	6.4
10°-20°	144.5	16.6
20°-30°	181.3	20.9
30°-40°	173.2	19.9
40°-50°	140.8	16.2
50°-60°	98.6	11.3
60°-70°	55.7	6.4
70°-80°	17.6	2.0
80°-90°	1.4	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°	381.8	43.9
0°-40°	555.0	63.9
0°-60°	794.3	91.4
0°-90°	869.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	869.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	607	607	607	607	607	
5°	595	596	597	596	598	56
15°	513	514	518	519	522	143
25°	385	389	396	402	405	177
35°	264	268	278	284	287	166
45°	172	177	184	188	190	134
55°	107	108	112	110	109	96
65°	52	55	59	56	54	52
75°	17	17	16	14	13	19
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°	607.0	607.0	607.0	607.0	607.0
1°	605.9	607.0	608.1	605.9	607.0
2°	604.9	605.9	605.9	604.9	607.0
3°	602.7	603.8	603.8	602.7	604.9
4°	599.5	600.5	600.5	599.5	601.6
5°	595.2	596.2	597.3	596.2	598.4
6°	590.8	591.9	593.0	591.9	593.0
7°	584.4	586.5	586.5	586.5	588.7
8°	577.9	580.1	581.1	580.1	582.2
9°	571.4	572.5	573.6	573.6	575.8
10°	563.9	565.0	565.0	566.0	568.2
11°	555.3	555.3	557.4	557.4	560.7
12°	544.5	545.6	547.7	548.8	551.0
13°	534.8	535.9	538.0	539.1	542.3
14°	524.0	526.2	528.3	529.4	532.6
15°	513.2	514.3	517.5	518.6	521.8
17.5°	483.0	484.1	489.5	491.7	494.9
20°	450.7	453.9	459.3	462.5	465.8
22.5°	417.3	420.5	427.0	432.4	434.5
25°	384.9	389.2	395.7	402.2	405.4
27.5°	352.6	356.9	364.4	370.9	375.2
30°	321.3	325.6	334.2	339.6	343.9
32.5°	292.2	296.5	306.2	311.6	314.8
35°	264.2	268.5	278.2	283.6	286.8
37.5°	239.4	243.7	252.3	257.7	259.8
40°	213.5	218.9	227.5	232.9	235.0
42.5°	191.9	196.2	204.9	209.2	212.4
45°	172.5	176.8	184.4	187.6	189.8
47.5°	155.3	157.4	163.9	165.0	167.1
50°	138.0	140.2	144.5	145.6	144.5
52.5°	121.8	124.0	127.2	126.1	126.1
55°	106.7	107.8	112.1	110.0	108.9
57.5°	91.6	93.8	98.1	94.9	93.8
60°	78.7	80.9	84.1	81.9	79.8
62.5°	65.8	66.8	72.2	67.9	65.8
65°	51.8	55.0	59.3	56.1	53.9
67.5°	38.8	44.2	48.5	44.2	42.0
70°	30.2	32.3	35.6	33.4	30.2
72.5°	22.6	23.7	24.8	22.6	20.5
75°	17.3	17.3	16.2	14.0	12.9
77.5°	11.9	11.9	9.7	6.5	6.5
80°	7.5	7.5	5.4	2.2	2.2
82.5°	3.2	3.2	2.2	1.1	1.1
85°	1.1	1.1	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)