

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: P1313761

Luminaire Tested: LDSQA3D13R709727DE010 3LSQCLDWWR1MB

Issue Date: 1/29/2026

**Test Information**

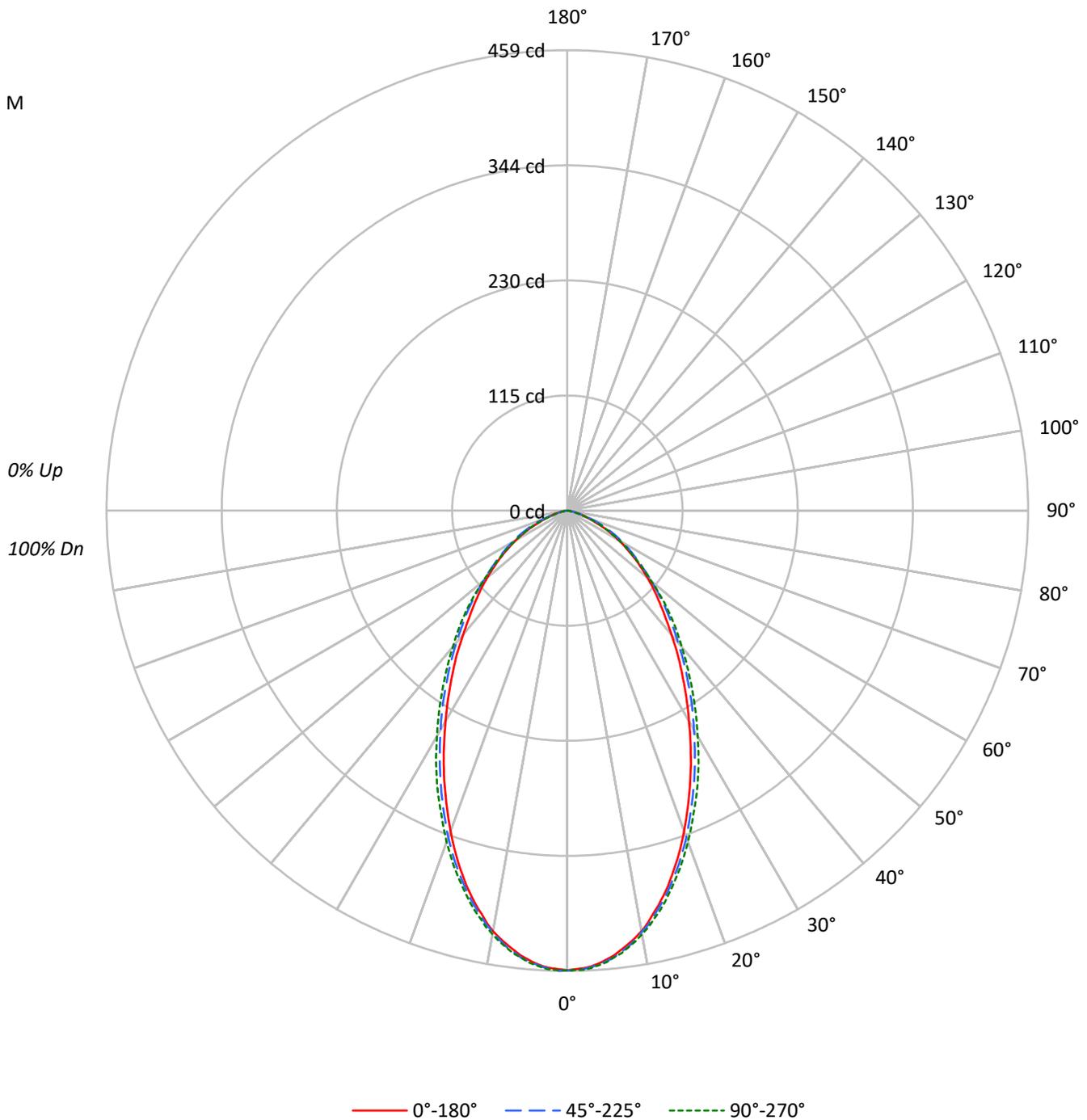
Test Method: LM-79-2019  
Report Number: P1313761  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-46)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R709727DE010 3LSQCLDWWR1MB  
Description: 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: 656.0 lumens  
Efficiency: N/A  
Efficacy: 44.9 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): 14.6  
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	111	108	104	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89	89	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79	79	79
3	96	87	81	76	94	86	80	75	83	78	74	81	76	72	78	74	71	69	69	69
4	89	79	72	66	87	78	71	66	76	70	65	74	69	64	72	67	64	62	62	62
5	83	72	65	59	81	71	64	59	69	63	58	67	62	58	66	61	57	55	55	55
6	78	66	59	53	76	65	58	53	64	57	53	62	56	52	61	56	52	50	50	50
7	73	61	53	48	71	60	53	48	59	52	48	58	52	47	56	51	47	45	45	45
8	68	57	49	44	67	56	49	44	55	48	44	53	48	43	52	47	43	41	41	41
9	64	53	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38	38	38
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35	35	35

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

	0°	45°	90°
0°	78912	78912	78912
5°	77675	77952	78090
10°	74446	74586	75006
15°	69073	69661	70232
20°	62350	63542	64440
25°	55222	56761	58148
30°	48225	50174	51626
35°	41923	44151	45518
40°	36241	38602	39883
45°	31711	33903	34878
50°	27918	29231	29231
55°	24201	25402	24681
60°	20460	21872	20736
65°	15934	18257	16586
70°	11481	13545	11481
75°	8650	8118	6521
80°	5653	4066	1587
85°	1581	0	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 45°  
 Luminance: 34878 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.2	6.4
10°-20°	109.0	16.6
20°-30°	136.9	20.9
30°-40°	130.7	19.9
40°-50°	106.3	16.2
50°-60°	74.4	11.3
60°-70°	42.0	6.4
70°-80°	13.3	2.0
80°-90°	1.0	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°	288.2	43.9
0°-40°	418.9	63.9
0°-60°	599.6	91.4
0°-90°	656.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	656.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	458	458	458	458	458	
5°	449	450	451	450	452	42
15°	387	388	391	392	394	108
25°	291	294	299	304	306	133
35°	199	203	210	214	216	125
45°	130	134	139	142	143	101
55°	81	81	85	83	82	72
65°	39	42	45	42	41	39
75°	13	13	12	11	10	14
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°	458.2	458.2	458.2	458.2	458.2
1°	457.4	458.2	459.0	457.4	458.2
2°	456.6	457.4	457.4	456.6	458.2
3°	455.0	455.8	455.8	455.0	456.6
4°	452.5	453.3	453.3	452.5	454.2
5°	449.3	450.1	450.9	450.1	451.7
6°	446.0	446.8	447.7	446.8	447.7
7°	441.1	442.8	442.8	442.8	444.4
8°	436.3	437.9	438.7	437.9	439.5
9°	431.4	432.2	433.0	433.0	434.6
10°	425.7	426.5	426.5	427.3	428.9
11°	419.2	419.2	420.8	420.8	423.2
12°	411.0	411.8	413.5	414.3	415.9
13°	403.7	404.5	406.1	407.0	409.4
14°	395.6	397.2	398.8	399.6	402.1
15°	387.4	388.2	390.7	391.5	393.9
17.5°	364.6	365.4	369.5	371.1	373.6
20°	340.2	342.7	346.7	349.2	351.6
22.5°	315.0	317.4	322.3	326.4	328.0
25°	290.6	293.8	298.7	303.6	306.0
27.5°	266.1	269.4	275.1	280.0	283.2
30°	242.5	245.8	252.3	256.4	259.6
32.5°	220.6	223.8	231.2	235.2	237.7
35°	199.4	202.7	210.0	214.1	216.5
37.5°	180.7	183.9	190.5	194.5	196.2
40°	161.2	165.2	171.7	175.8	177.4
42.5°	144.9	148.1	154.6	157.9	160.3
45°	130.2	133.5	139.2	141.6	143.2
47.5°	117.2	118.8	123.7	124.5	126.2
50°	104.2	105.8	109.1	109.9	109.1
52.5°	92.0	93.6	96.0	95.2	95.2
55°	80.6	81.4	84.6	83.0	82.2
57.5°	69.2	70.8	74.1	71.6	70.8
60°	59.4	61.0	63.5	61.9	60.2
62.5°	49.6	50.5	54.5	51.3	49.6
65°	39.1	41.5	44.8	42.3	40.7
67.5°	29.3	33.4	36.6	33.4	31.7
70°	22.8	24.4	26.9	25.2	22.8
72.5°	17.1	17.9	18.7	17.1	15.5
75°	13.0	13.0	12.2	10.6	9.8
77.5°	9.0	9.0	7.3	4.9	4.9
80°	5.7	5.7	4.1	1.6	1.6
82.5°	2.4	2.4	1.6	0.8	0.8
85°	0.8	0.8	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)