

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: P1314656

Luminaire Tested: LDSQA3D13R309730DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

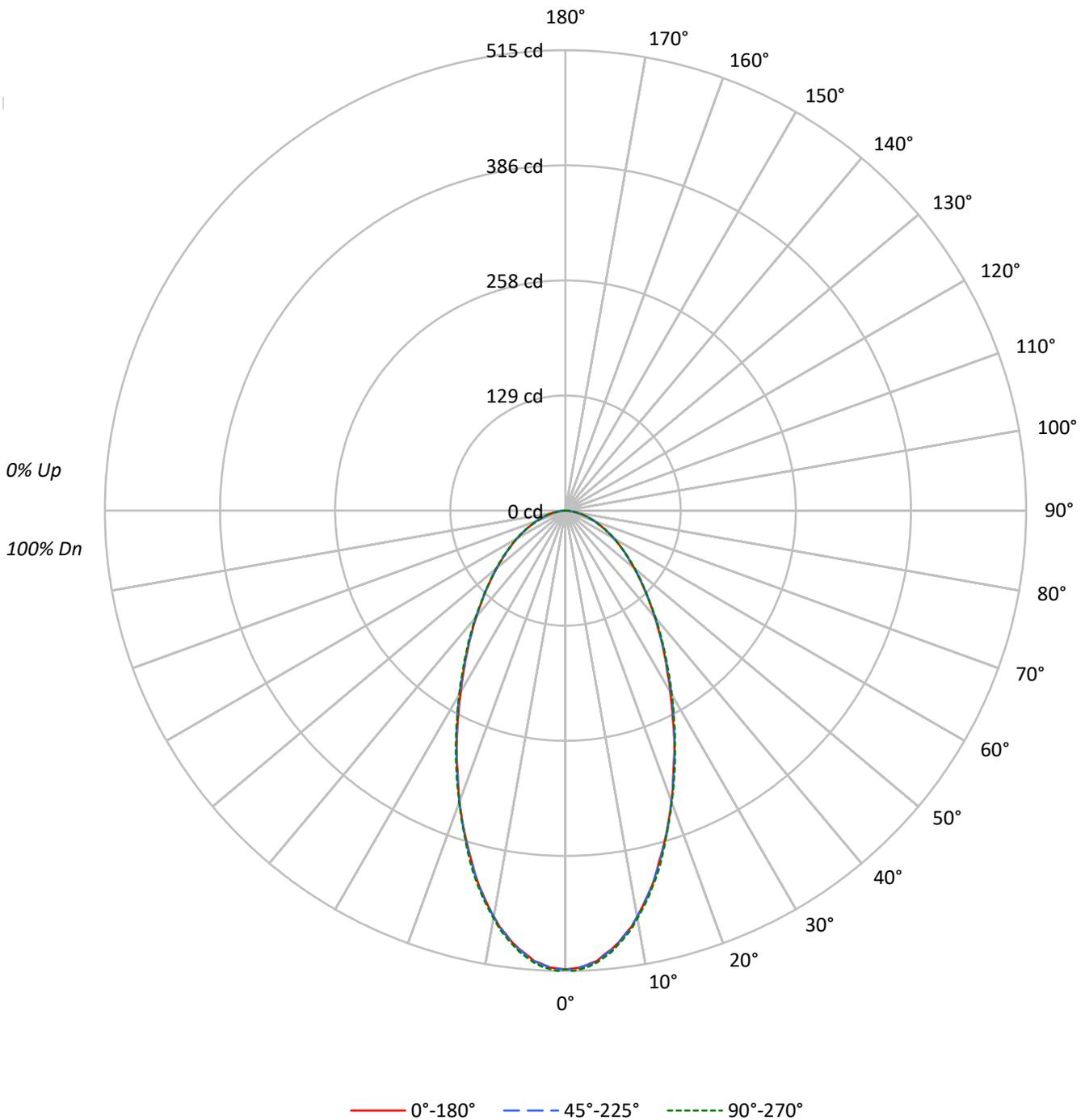
Test Method: LM-79-2019  
Report Number: P1314656  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R309730DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 659.0 lumens  
Efficiency: N/A  
Efficacy: 45.1 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.9  
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 (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				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	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	90	90	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	79	79	79	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	70	70	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	62	62	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	56	56	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	51	51	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	47	47	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	43	43	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	40	40	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	37	37	37	35

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

	0°	45°	90°
0°	88385	88385	88385
5°	86198	86354	86682
10°	80672	80672	80987
15°	72335	72496	72977
20°	63487	63487	63652
25°	54747	54747	55089
30°	46594	47131	47310
35°	40241	40430	40640
40°	34847	35050	35252
45°	30421	30640	30640
50°	26873	26873	27115
55°	24081	24081	24081
60°	21666	21666	21666
65°	19316	19316	19316
70°	17423	17423	17423
75°	15770	15172	15172
80°	13588	12695	12695
85°	9090	9090	9090

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 30640 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.5	7.1
10°-20°	113.3	17.2
20°-30°	132.4	20.1
30°-40°	120.4	18.3
40°-50°	97.3	14.8
50°-60°	71.8	10.9
60°-70°	47.3	7.2
70°-80°	24.5	3.7
80°-90°	5.6	0.8
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°	292.1	44.3
0°-40°	412.6	62.6
0°-60°	581.7	88.3
0°-90°	659.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	659.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	513	513	513	513	513	
5°	499	499	500	500	501	46
15°	406	407	407	407	409	113
25°	288	287	288	288	290	132
35°	191	190	192	192	193	120
45°	125	126	126	126	126	97
55°	80	79	80	79	80	72
65°	47	47	47	47	47	47
75°	24	23	23	23	23	25
85°	5	5	5	5	5	6
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	513.2	513.2	513.2	513.2	513.2
1°	512.3	512.3	513.2	512.3	515.0
2°	511.4	510.5	510.5	510.5	513.2
3°	507.7	507.7	508.7	507.7	510.5
4°	505.0	504.1	505.0	504.1	506.8
5°	498.6	498.6	499.5	499.5	501.4
6°	493.2	493.2	494.1	493.2	495.9
7°	486.8	486.8	486.8	486.8	488.6
8°	478.6	478.6	479.5	479.5	481.3
9°	471.3	470.4	470.4	470.4	473.1
10°	461.3	461.3	461.3	461.3	463.1
11°	451.2	451.2	451.2	451.2	453.1
12°	440.3	440.3	441.2	440.3	443.0
13°	430.3	430.3	430.3	430.3	432.1
14°	418.4	417.5	418.4	418.4	421.1
15°	405.7	406.6	406.6	406.6	409.3
17.5°	376.5	376.5	377.4	375.6	377.4
20°	346.4	345.5	346.4	346.4	347.3
22.5°	315.4	316.3	316.3	316.3	318.1
25°	288.1	287.1	288.1	288.1	289.9
27.5°	259.8	260.7	261.6	260.7	262.5
30°	234.3	236.1	237.0	235.2	237.9
32.5°	211.5	211.5	212.4	213.3	214.2
35°	191.4	190.5	192.3	192.3	193.3
37.5°	172.3	172.3	172.3	173.2	174.1
40°	155.0	155.0	155.9	155.9	156.8
42.5°	139.5	138.6	139.5	139.5	139.5
45°	124.9	125.8	125.8	125.8	125.8
47.5°	112.1	112.1	113.0	112.1	113.0
50°	100.3	100.3	100.3	100.3	101.2
52.5°	89.3	89.3	89.3	89.3	90.2
55°	80.2	79.3	80.2	79.3	80.2
57.5°	71.1	71.1	71.1	71.1	71.1
60°	62.9	62.0	62.9	62.0	62.9
62.5°	54.7	54.7	54.7	54.7	54.7
65°	47.4	47.4	47.4	47.4	47.4
67.5°	41.0	41.0	41.0	40.1	40.1
70°	34.6	34.6	34.6	34.6	34.6
72.5°	29.2	28.3	28.3	28.3	28.3
75°	23.7	22.8	22.8	22.8	22.8
77.5°	18.2	18.2	17.3	17.3	18.2
80°	13.7	12.8	12.8	12.8	12.8
82.5°	8.2	8.2	8.2	8.2	8.2
85°	4.6	4.6	4.6	4.6	4.6
87.5°	0.9	0.9	0.9	1.8	1.8



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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)