

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: P1318363

Luminaire Tested: LDSQA3D13R309830DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

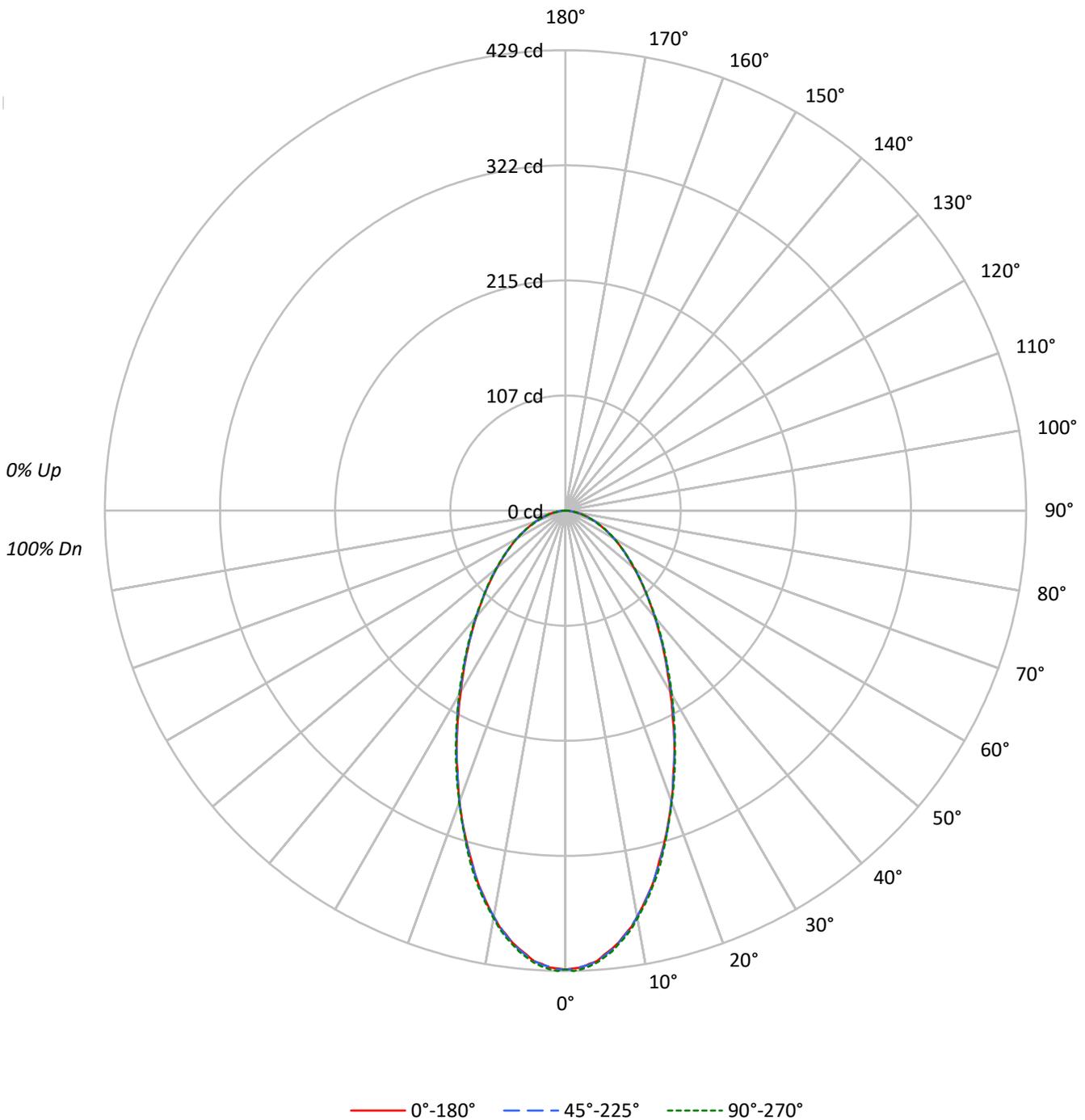
Test Method: LM-79-2019  
Report Number: P1318363  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R309830DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 549.0 lumens  
Efficiency: N/A  
Efficacy: 37.9 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): 14.5  
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

TEST NUMBER: P1318363  
CATALOG NUMBER: LDSQA3D13R309830DE010 3LSQPHRLD1MW

### Luminous Intensity Polar Plot





TEST NUMBER: P1318363

CATALOG NUMBER: LDSQA3D13R309830DE010 3LSQPHRLD1MW

**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	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	85	82	79	77
3	95	86	80	74	93	85	79	74	82	77	72	79	75	71	77	73	70	77	73	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	71	66	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	65	60	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	60	55	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	56	51	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	49	43	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	46	41	37	35

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

	0°	45°	90°
0°	73642	73642	73642
5°	71815	71953	72212
10°	67206	67206	67468
15°	60247	60390	60800
20°	52893	52893	53022
25°	45606	45606	45891
30°	38819	39256	39415
35°	33534	33681	33849
40°	29024	29204	29362
45°	25330	25525	25525
50°	22372	22372	22587
55°	20057	20057	20057
60°	18049	18049	18049
65°	16097	16097	16097
70°	14552	14552	14552
75°	13109	12643	12643
80°	11306	10513	10513
85°	7509	7509	7509

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 25525 cd/sqm



TEST NUMBER: P1318363

CATALOG NUMBER: LDSQA3D13R309830DE010 3LSQPHRLD1MW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	38.7	7.1
10°-20°	94.4	17.2
20°-30°	110.3	20.1
30°-40°	100.3	18.3
40°-50°	81.0	14.8
50°-60°	59.8	10.9
60°-70°	39.4	7.2
70°-80°	20.4	3.7
80°-90°	4.6	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°	243.4	44.3
0°-40°	343.7	62.6
0°-60°	484.6	88.3
0°-90°	549.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	549.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	428	428	428	428	428	
5°	415	415	416	416	418	39
15°	338	339	339	339	341	94
25°	240	239	240	240	242	110
35°	160	159	160	160	161	100
45°	104	105	105	105	105	81
55°	67	66	67	66	67	60
65°	40	40	40	40	40	40
75°	20	19	19	19	19	21
85°	4	4	4	4	4	5
90°	0	0	0	0	0	



TEST NUMBER: P1318363

CATALOG NUMBER: LDSQA3D13R309830DE010 3LSQPHRLD1MW

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	427.6	427.6	427.6	427.6	427.6
1°	426.8	426.8	427.6	426.8	429.1
2°	426.0	425.3	425.3	425.3	427.6
3°	423.0	423.0	423.8	423.0	425.3
4°	420.7	420.0	420.7	420.0	422.2
5°	415.4	415.4	416.2	416.2	417.7
6°	410.8	410.8	411.6	410.8	413.1
7°	405.5	405.5	405.5	405.5	407.0
8°	398.7	398.7	399.5	399.5	401.0
9°	392.6	391.9	391.9	391.9	394.1
10°	384.3	384.3	384.3	384.3	385.8
11°	375.9	375.9	375.9	375.9	377.4
12°	366.8	366.8	367.6	366.8	369.1
13°	358.4	358.4	358.4	358.4	360.0
14°	348.6	347.8	348.6	348.6	350.9
15°	337.9	338.7	338.7	338.7	341.0
17.5°	313.6	313.6	314.4	312.9	314.4
20°	288.6	287.8	288.6	288.6	289.3
22.5°	262.8	263.5	263.5	263.5	265.0
25°	240.0	239.2	240.0	240.0	241.5
27.5°	216.4	217.2	218.0	217.2	218.7
30°	195.2	196.7	197.4	195.9	198.2
32.5°	176.2	176.2	176.9	177.7	178.5
35°	159.5	158.7	160.2	160.2	161.0
37.5°	143.5	143.5	143.5	144.3	145.0
40°	129.1	129.1	129.9	129.9	130.6
42.5°	116.2	115.4	116.2	116.2	116.2
45°	104.0	104.8	104.8	104.8	104.8
47.5°	93.4	93.4	94.2	93.4	94.2
50°	83.5	83.5	83.5	83.5	84.3
52.5°	74.4	74.4	74.4	74.4	75.2
55°	66.8	66.1	66.8	66.1	66.8
57.5°	59.2	59.2	59.2	59.2	59.2
60°	52.4	51.6	52.4	51.6	52.4
62.5°	45.6	45.6	45.6	45.6	45.6
65°	39.5	39.5	39.5	39.5	39.5
67.5°	34.2	34.2	34.2	33.4	33.4
70°	28.9	28.9	28.9	28.9	28.9
72.5°	24.3	23.5	23.5	23.5	23.5
75°	19.7	19.0	19.0	19.0	19.0
77.5°	15.2	15.2	14.4	14.4	15.2
80°	11.4	10.6	10.6	10.6	10.6
82.5°	6.8	6.8	6.8	6.8	6.8
85°	3.8	3.8	3.8	3.8	3.8
87.5°	0.8	0.8	0.8	1.5	1.5



TEST NUMBER: P1318363

CATALOG NUMBER: LDSQA3D13R309830DE010 3LSQPHRLD1MW

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)