

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: P1319385

Luminaire Tested: LDSQA3D17R309835DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

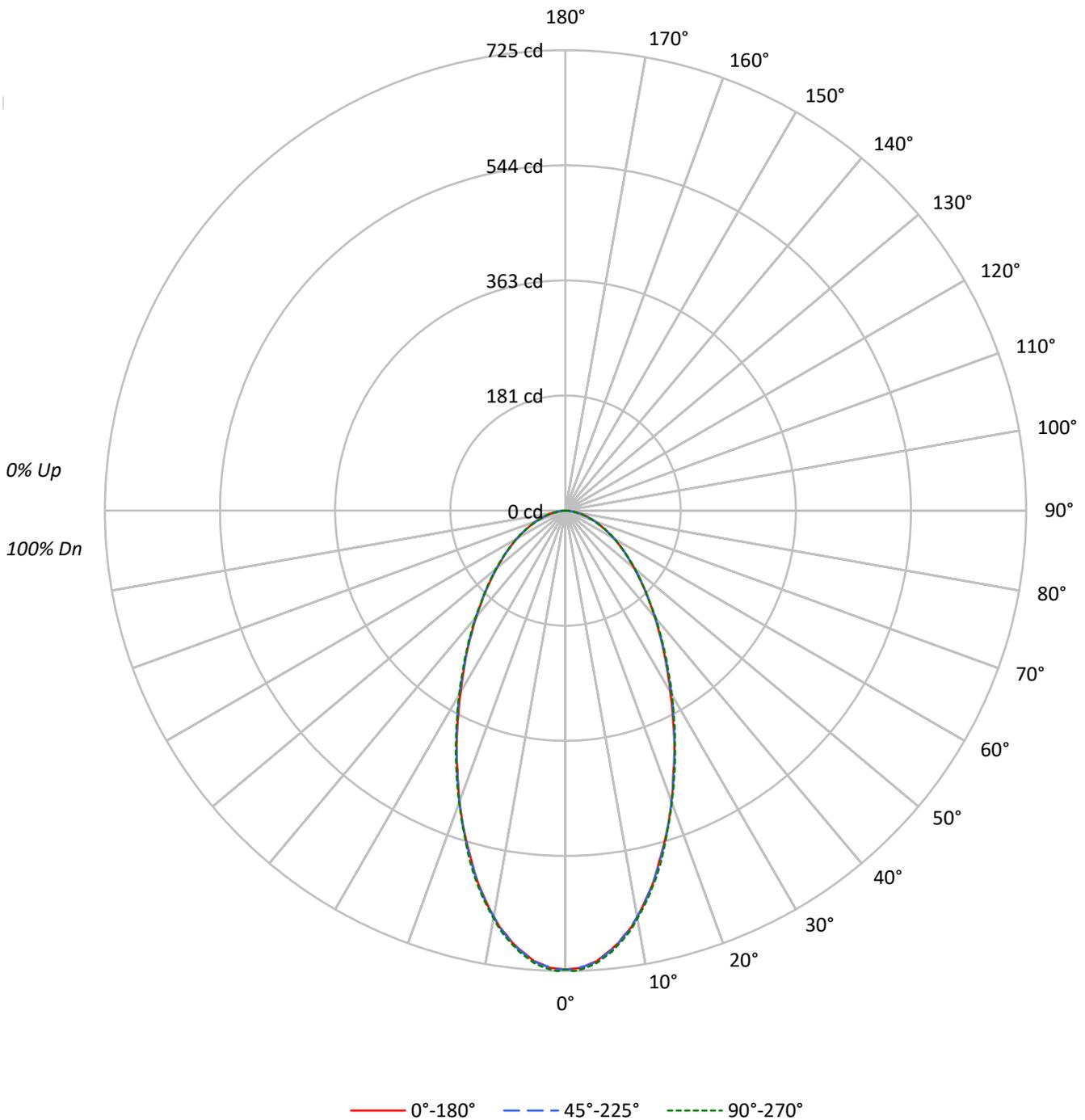
Test Method: LM-79-2019  
Report Number: P1319385  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R309835DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 928.0 lumens  
Efficiency: N/A  
Efficacy: 45.5 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): 20.4  
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				
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°	124465	124465	124465
5°	121397	121621	122054
10°	113584	113584	114039
15°	101844	102076	102771
20°	89402	89402	89640
25°	77075	77075	77569
30°	65606	66381	66620
35°	56682	56955	57208
40°	49056	49348	49640
45°	42842	43134	43134
50°	37832	37832	38180
55°	33929	33929	33929
60°	30518	30518	30518
65°	27222	27222	27222
70°	24573	24573	24573
75°	22225	21360	21360
80°	19142	17852	17852
85°	12647	12647	12647

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 43134 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.4	7.1
10°-20°	159.6	17.2
20°-30°	186.4	20.1
30°-40°	169.6	18.3
40°-50°	137.0	14.8
50°-60°	101.2	10.9
60°-70°	66.6	7.2
70°-80°	34.5	3.7
80°-90°	7.8	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°	411.4	44.3
0°-40°	581.0	62.6
0°-60°	819.1	88.3
0°-90°	928.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	928.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	723	723	723	723	723	
5°	702	702	704	704	706	65
15°	571	572	572	572	576	159
25°	406	404	406	406	408	186
35°	270	268	271	271	272	169
45°	176	177	177	177	177	137
55°	113	112	113	112	113	101
65°	67	67	67	67	67	67
75°	33	32	32	32	32	35
85°	6	6	6	6	6	8
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	722.7	722.7	722.7	722.7	722.7
1°	721.4	721.4	722.7	721.4	725.3
2°	720.1	718.9	718.9	718.9	722.7
3°	715.0	715.0	716.3	715.0	718.9
4°	711.2	709.9	711.2	709.9	713.7
5°	702.2	702.2	703.5	703.5	706.0
6°	694.5	694.5	695.8	694.5	698.3
7°	685.5	685.5	685.5	685.5	688.1
8°	673.9	673.9	675.2	675.2	677.8
9°	663.7	662.4	662.4	662.4	666.2
10°	649.5	649.5	649.5	649.5	652.1
11°	635.4	635.4	635.4	635.4	638.0
12°	620.0	620.0	621.3	620.0	623.9
13°	605.9	605.9	605.9	605.9	608.5
14°	589.2	587.9	589.2	589.2	593.1
15°	571.2	572.5	572.5	572.5	576.4
17.5°	530.2	530.2	531.4	528.9	531.4
20°	487.8	486.5	487.8	487.8	489.1
22.5°	444.2	445.4	445.4	445.4	448.0
25°	405.6	404.4	405.6	405.6	408.2
27.5°	365.8	367.1	368.4	367.1	369.7
30°	329.9	332.5	333.8	331.2	335.0
32.5°	297.8	297.8	299.1	300.4	301.7
35°	269.6	268.3	270.9	270.9	272.1
37.5°	242.6	242.6	242.6	243.9	245.2
40°	218.2	218.2	219.5	219.5	220.8
42.5°	196.4	195.1	196.4	196.4	196.4
45°	175.9	177.1	177.1	177.1	177.1
47.5°	157.9	157.9	159.2	157.9	159.2
50°	141.2	141.2	141.2	141.2	142.5
52.5°	125.8	125.8	125.8	125.8	127.1
55°	113.0	111.7	113.0	111.7	113.0
57.5°	100.1	100.1	100.1	100.1	100.1
60°	88.6	87.3	88.6	87.3	88.6
62.5°	77.0	77.0	77.0	77.0	77.0
65°	66.8	66.8	66.8	66.8	66.8
67.5°	57.8	57.8	57.8	56.5	56.5
70°	48.8	48.8	48.8	48.8	48.8
72.5°	41.1	39.8	39.8	39.8	39.8
75°	33.4	32.1	32.1	32.1	32.1
77.5°	25.7	25.7	24.4	24.4	25.7
80°	19.3	18.0	18.0	18.0	18.0
82.5°	11.6	11.6	11.6	11.6	11.6
85°	6.4	6.4	6.4	6.4	6.4
87.5°	1.3	1.3	1.3	2.6	2.6



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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)