

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: P1320261

Luminaire Tested: LDSQA3D17R309840DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1320261  
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: LDSQA3D17R309840DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

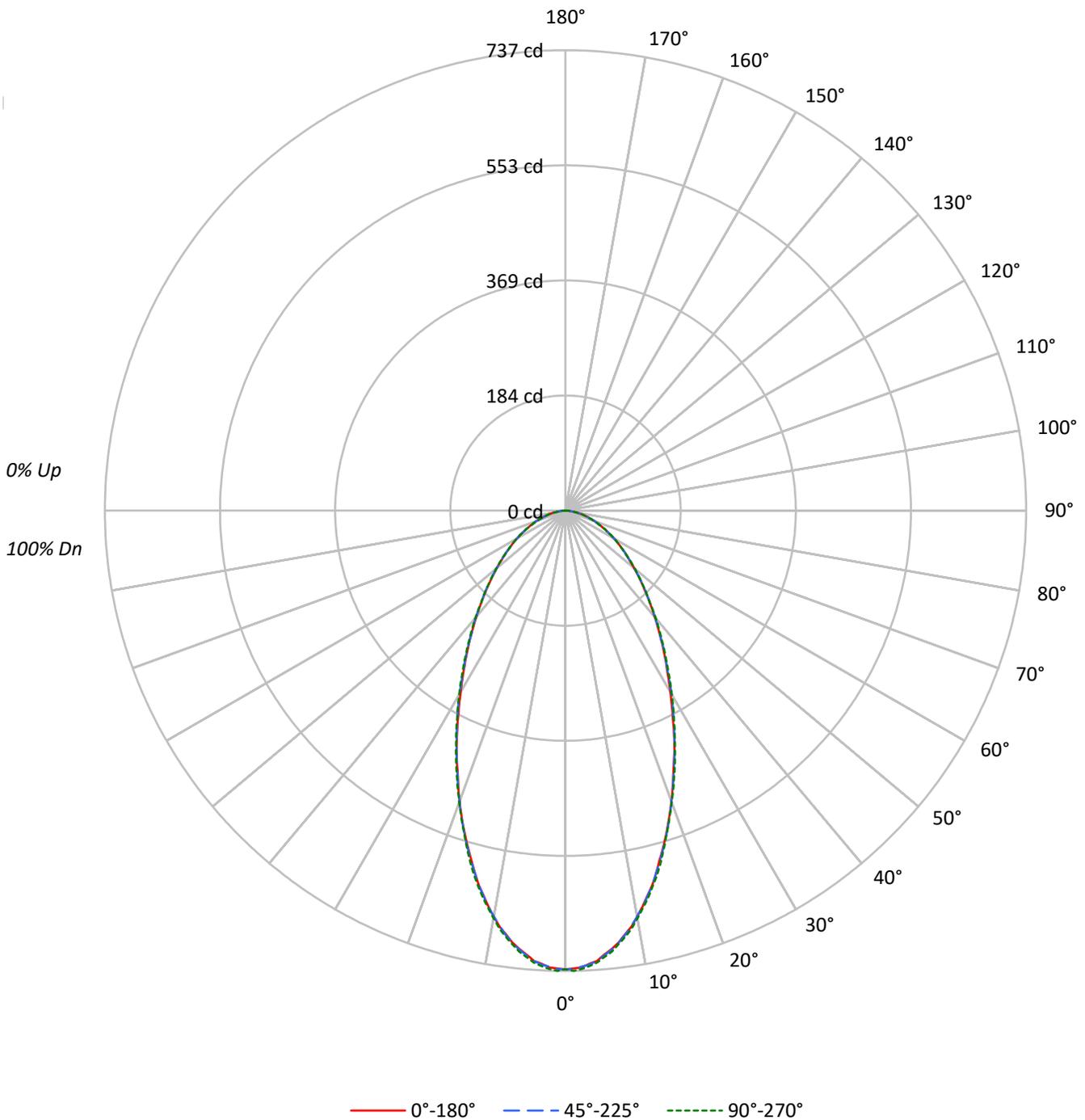
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 943.0 lumens  
Efficiency: N/A  
Efficacy: 46.2 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 (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	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	74	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°	126480	126480	126480
5°	123350	123575	124024
10°	115420	115420	115875
15°	103502	103734	104429
20°	90850	90850	91088
25°	78329	78329	78823
30°	66660	67455	67714
35°	57586	57859	58133
40°	49865	50157	50450
45°	43524	43841	43841
50°	38448	38448	38796
55°	34470	34470	34470
60°	31000	31000	31000
65°	27629	27629	27629
70°	24976	24976	24976
75°	22558	21693	21693
80°	19439	18150	18150
85°	12844	12844	12844

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 43841 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	66.5	7.1
10°-20°	162.1	17.2
20°-30°	189.4	20.1
30°-40°	172.3	18.3
40°-50°	139.2	14.8
50°-60°	102.8	10.9
60°-70°	67.7	7.2
70°-80°	35.0	3.7
80°-90°	7.9	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°	418.0	44.3
0°-40°	590.3	62.6
0°-60°	832.3	88.3
0°-90°	943.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	943.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	734	734	734	734	734	
5°	714	714	715	715	717	66
15°	580	582	582	582	586	162
25°	412	411	412	412	415	189
35°	274	273	275	275	276	172
45°	179	180	180	180	180	139
55°	115	114	115	114	115	103
65°	68	68	68	68	68	68
75°	34	33	33	33	33	36
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°	734.4	734.4	734.4	734.4	734.4
1°	733.1	733.1	734.4	733.1	737.0
2°	731.8	730.5	730.5	730.5	734.4
3°	726.6	726.6	727.9	726.6	730.5
4°	722.7	721.3	722.7	721.3	725.3
5°	713.5	713.5	714.8	714.8	717.4
6°	705.7	705.7	707.0	705.7	709.6
7°	696.6	696.6	696.6	696.6	699.2
8°	684.8	684.8	686.1	686.1	688.7
9°	674.4	673.1	673.1	673.1	677.0
10°	660.0	660.0	660.0	660.0	662.6
11°	645.7	645.7	645.7	645.7	648.3
12°	630.0	630.0	631.3	630.0	634.0
13°	615.7	615.7	615.7	615.7	618.3
14°	598.7	597.4	598.7	598.7	602.6
15°	580.5	581.8	581.8	581.8	585.7
17.5°	538.7	538.7	540.0	537.4	540.0
20°	495.7	494.4	495.7	495.7	497.0
22.5°	451.3	452.6	452.6	452.6	455.2
25°	412.2	410.9	412.2	412.2	414.8
27.5°	371.8	373.1	374.4	373.1	375.7
30°	335.2	337.8	339.2	336.5	340.5
32.5°	302.6	302.6	303.9	305.2	306.5
35°	273.9	272.6	275.2	275.2	276.5
37.5°	246.5	246.5	246.5	247.8	249.1
40°	221.8	221.8	223.1	223.1	224.4
42.5°	199.6	198.3	199.6	199.6	199.6
45°	178.7	180.0	180.0	180.0	180.0
47.5°	160.4	160.4	161.7	160.4	161.7
50°	143.5	143.5	143.5	143.5	144.8
52.5°	127.8	127.8	127.8	127.8	129.1
55°	114.8	113.5	114.8	113.5	114.8
57.5°	101.7	101.7	101.7	101.7	101.7
60°	90.0	88.7	90.0	88.7	90.0
62.5°	78.3	78.3	78.3	78.3	78.3
65°	67.8	67.8	67.8	67.8	67.8
67.5°	58.7	58.7	58.7	57.4	57.4
70°	49.6	49.6	49.6	49.6	49.6
72.5°	41.7	40.4	40.4	40.4	40.4
75°	33.9	32.6	32.6	32.6	32.6
77.5°	26.1	26.1	24.8	24.8	26.1
80°	19.6	18.3	18.3	18.3	18.3
82.5°	11.7	11.7	11.7	11.7	11.7
85°	6.5	6.5	6.5	6.5	6.5
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)