

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: P1319256

Luminaire Tested: LDSQA3D13R359835DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1319256  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D13R359835DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

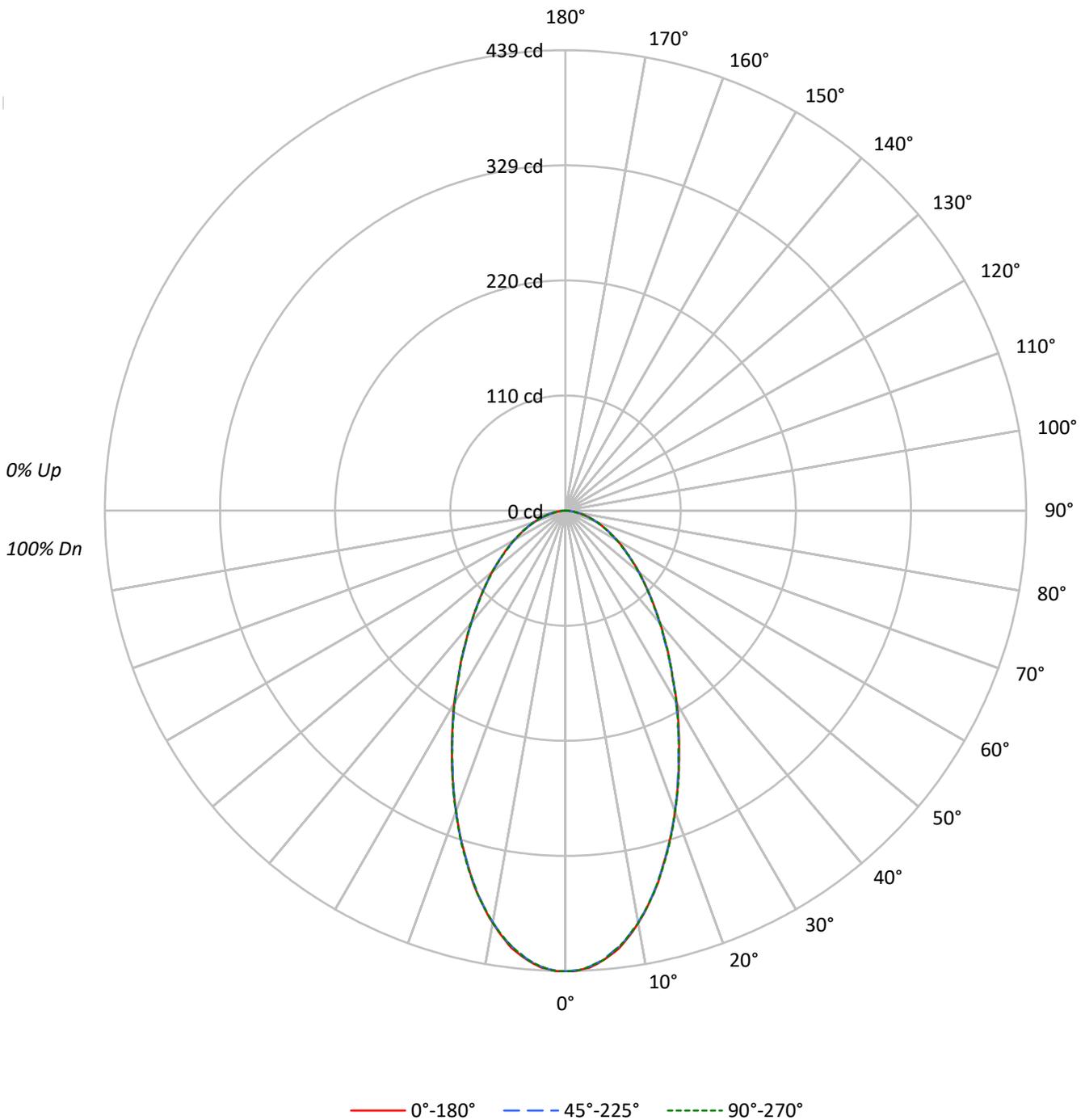
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 587.0 lumens  
Efficiency: N/A  
Efficacy: 40.5 lumens/watt  
Spacing Criteria (0/90/45): 0.83 / 0.83 / 0.92  
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 (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	101	99	100	98	95	97	95	93	93	91	90	93	91	90	88
2	103	96	90	85	100	94	89	84	90	86	82	87	84	81	84	81	79	84	81	79	77
3	95	86	79	74	93	85	78	73	82	76	72	79	75	71	77	73	70	77	73	70	68
4	88	78	71	65	86	77	70	64	75	68	64	72	67	63	70	66	62	70	66	62	60
5	82	71	64	58	80	70	63	58	68	62	57	66	61	56	65	60	56	65	60	56	54
6	77	65	58	52	75	65	57	52	63	56	51	61	55	51	60	55	51	60	55	51	49
7	72	60	53	47	71	60	52	47	58	52	47	57	51	46	55	50	46	55	50	46	44
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	52	46	42	41
9	64	52	45	40	63	51	44	40	50	44	39	49	44	39	48	43	39	48	43	39	38
10	60	49	42	37	59	48	41	37	47	41	37	46	41	36	45	40	36	45	40	36	35

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

	0°	45°	90°
0°	75675	75675	75675
5°	74252	74131	74252
10°	69812	69689	69812
15°	63207	63207	63349
20°	55954	55954	55954
25°	48666	48514	48514
30°	42179	41881	42040
35°	36309	36162	36309
40°	31520	31340	31520
45°	27668	27498	27498
50°	24569	24355	24355
55°	21619	21619	21619
60°	19564	19323	19564
65°	17605	17605	17605
70°	15660	15660	15660
75°	14107	13641	14107
80°	12001	12001	12001
85°	7509	7509	7509

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 27668 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.0	6.8
10°-20°	98.9	16.8
20°-30°	117.5	20.0
30°-40°	108.0	18.4
40°-50°	87.7	14.9
50°-60°	64.9	11.1
60°-70°	42.9	7.3
70°-80°	22.2	3.8
80°-90°	5.0	0.9
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°	256.4	43.7
0°-40°	364.4	62.1
0°-60°	516.9	88.1
0°-90°	587.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	587.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	439	439	439	439	439	
5°	430	429	429	429	430	40
15°	354	354	354	354	355	99
25°	256	255	255	256	255	118
35°	173	172	172	173	173	108
45°	114	113	113	113	113	88
55°	72	72	72	72	72	65
65°	43	43	43	43	43	43
75°	21	21	20	21	21	22
85°	4	4	4	4	4	5
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	439.4	439.4	439.4	439.4	439.4
1°	439.4	438.6	438.6	438.6	439.4
2°	437.9	437.9	437.9	437.9	437.9
3°	436.4	435.6	435.6	435.6	435.6
4°	433.3	432.6	432.6	432.6	432.6
5°	429.5	428.8	428.8	428.8	429.5
6°	425.0	424.2	423.5	423.5	424.2
7°	420.5	418.9	418.9	418.9	418.9
8°	413.6	412.9	412.9	412.9	412.9
9°	406.8	405.3	406.1	406.1	406.1
10°	399.2	398.5	398.5	398.5	399.2
11°	391.7	390.9	390.9	390.1	390.9
12°	382.6	382.6	382.6	382.6	382.6
13°	374.2	373.5	373.5	373.5	374.2
14°	365.1	364.4	364.4	364.4	364.4
15°	354.5	354.5	354.5	354.5	355.3
17.5°	330.3	329.5	330.3	330.3	331.1
20°	305.3	304.5	305.3	305.3	305.3
22.5°	280.3	280.3	279.5	280.3	281.1
25°	256.1	255.3	255.3	256.1	255.3
27.5°	233.3	232.6	232.6	232.6	232.6
30°	212.1	210.6	210.6	211.4	211.4
32.5°	190.2	190.2	190.9	190.2	190.2
35°	172.7	172.0	172.0	172.7	172.7
37.5°	155.3	154.5	154.5	155.3	155.3
40°	140.2	140.2	139.4	140.2	140.2
42.5°	125.8	125.8	125.8	125.8	125.8
45°	113.6	112.9	112.9	112.9	112.9
47.5°	101.5	101.5	101.5	100.8	101.5
50°	91.7	90.9	90.9	90.9	90.9
52.5°	81.1	81.1	81.1	81.1	81.1
55°	72.0	72.0	72.0	72.0	72.0
57.5°	64.4	63.6	63.6	63.6	63.6
60°	56.8	56.8	56.1	56.8	56.8
62.5°	49.2	49.2	49.2	49.2	49.2
65°	43.2	43.2	43.2	43.2	43.2
67.5°	37.1	37.1	37.1	37.1	37.1
70°	31.1	31.1	31.1	31.1	31.1
72.5°	26.5	25.8	25.8	25.8	25.8
75°	21.2	21.2	20.5	21.2	21.2
77.5°	15.9	15.9	15.9	15.9	15.9
80°	12.1	12.1	12.1	11.4	12.1
82.5°	7.6	7.6	7.6	7.6	7.6
85°	3.8	3.8	3.8	3.8	3.8
87.5°	0.8	0.8	0.8	1.5	1.5



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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)