

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: P1307337

Luminaire Tested: LDSQA3D17R359024DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1307337  
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: LDSQA3D17R359024DE010 3LSQPHRLD1MW  
Description: 3in Adjustable LED luminaire with, R35 optic, 2400K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM  
Light Source: -  
Ballast/Driver: -

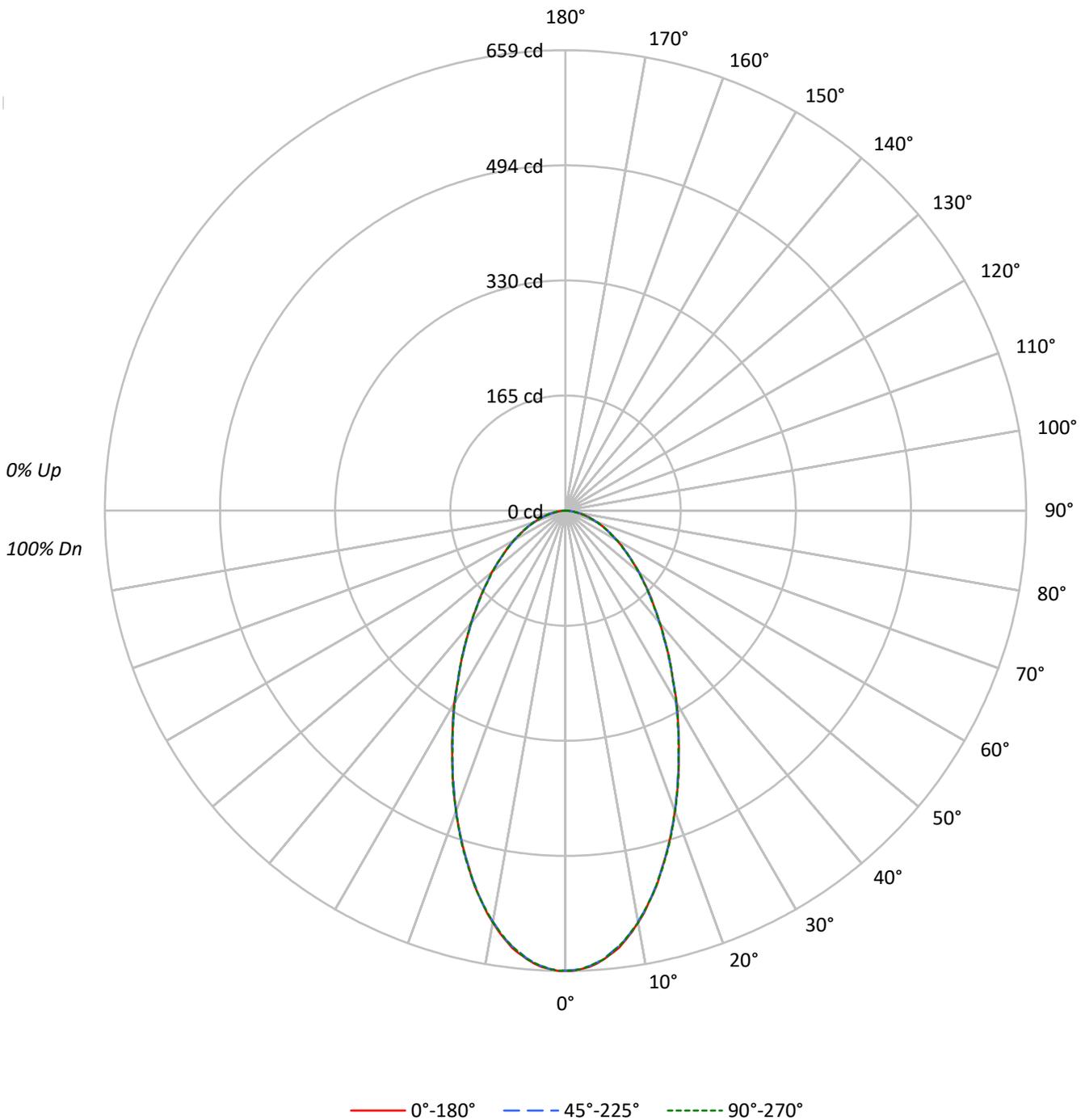
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 880.0 lumens  
Efficiency: N/A  
Efficacy: 41.5 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): 21.2  
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	65	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°	113443	113443	113443
5°	111318	111128	111318
10°	104665	104473	104665
15°	94765	94765	94962
20°	83885	83885	83885
25°	72951	72723	72723
30°	63239	62782	63021
35°	54432	54201	54432
40°	47235	46988	47235
45°	41503	41210	41210
50°	36814	36519	36519
55°	32398	32398	32398
60°	29347	28933	29347
65°	26366	26366	26366
70°	23465	23465	23465
75°	21160	20428	21160
80°	18051	18051	18051
85°	11263	11263	11263

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 41503 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	59.9	6.8
10°-20°	148.3	16.8
20°-30°	176.2	20.0
30°-40°	161.9	18.4
40°-50°	131.4	14.9
50°-60°	97.3	11.1
60°-70°	64.2	7.3
70°-80°	33.3	3.8
80°-90°	7.5	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°	384.3	43.7
0°-40°	546.2	62.1
0°-60°	774.9	88.1
0°-90°	880.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	880.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	659	659	659	659	659	
5°	644	643	643	643	644	60
15°	532	532	532	532	533	148
25°	384	383	383	384	383	177
35°	259	258	258	259	259	162
45°	170	169	169	169	169	132
55°	108	108	108	108	108	98
65°	65	65	65	65	65	64
75°	32	32	31	32	32	34
85°	6	6	6	6	6	7
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	658.7	658.7	658.7	658.7	658.7
1°	658.7	657.6	657.6	657.6	658.7
2°	656.4	656.4	656.4	656.4	656.4
3°	654.2	653.0	653.0	653.0	653.0
4°	649.6	648.5	648.5	648.5	648.5
5°	643.9	642.8	642.8	642.8	643.9
6°	637.1	636.0	634.9	634.9	636.0
7°	630.3	628.0	628.0	628.0	628.0
8°	620.1	619.0	619.0	619.0	619.0
9°	609.9	607.6	608.7	608.7	608.7
10°	598.5	597.4	597.4	597.4	598.5
11°	587.2	586.0	586.0	584.9	586.0
12°	573.5	573.5	573.5	573.5	573.5
13°	561.0	559.9	559.9	559.9	561.0
14°	547.4	546.3	546.3	546.3	546.3
15°	531.5	531.5	531.5	531.5	532.6
17.5°	495.2	494.0	495.2	495.2	496.3
20°	457.7	456.6	457.7	457.7	457.7
22.5°	420.2	420.2	419.1	420.2	421.3
25°	383.9	382.7	382.7	383.9	382.7
27.5°	349.8	348.7	348.7	348.7	348.7
30°	318.0	315.7	315.7	316.9	316.9
32.5°	285.1	285.1	286.2	285.1	285.1
35°	258.9	257.8	257.8	258.9	258.9
37.5°	232.8	231.7	231.7	232.8	232.8
40°	210.1	210.1	209.0	210.1	210.1
42.5°	188.5	188.5	188.5	188.5	188.5
45°	170.4	169.2	169.2	169.2	169.2
47.5°	152.2	152.2	152.2	151.0	152.2
50°	137.4	136.3	136.3	136.3	136.3
52.5°	121.5	121.5	121.5	121.5	121.5
55°	107.9	107.9	107.9	107.9	107.9
57.5°	96.5	95.4	95.4	95.4	95.4
60°	85.2	85.2	84.0	85.2	85.2
62.5°	73.8	73.8	73.8	73.8	73.8
65°	64.7	64.7	64.7	64.7	64.7
67.5°	55.6	55.6	55.6	55.6	55.6
70°	46.6	46.6	46.6	46.6	46.6
72.5°	39.7	38.6	38.6	38.6	38.6
75°	31.8	31.8	30.7	31.8	31.8
77.5°	23.8	23.8	23.8	23.8	23.8
80°	18.2	18.2	18.2	17.0	18.2
82.5°	11.4	11.4	11.4	11.4	11.4
85°	5.7	5.7	5.7	5.7	5.7
87.5°	1.1	1.1	1.1	2.3	2.3



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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)