

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: P1319093

Luminaire Tested: LDSQA3D09R309835DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319093
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: LDSQA3D09R309835DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

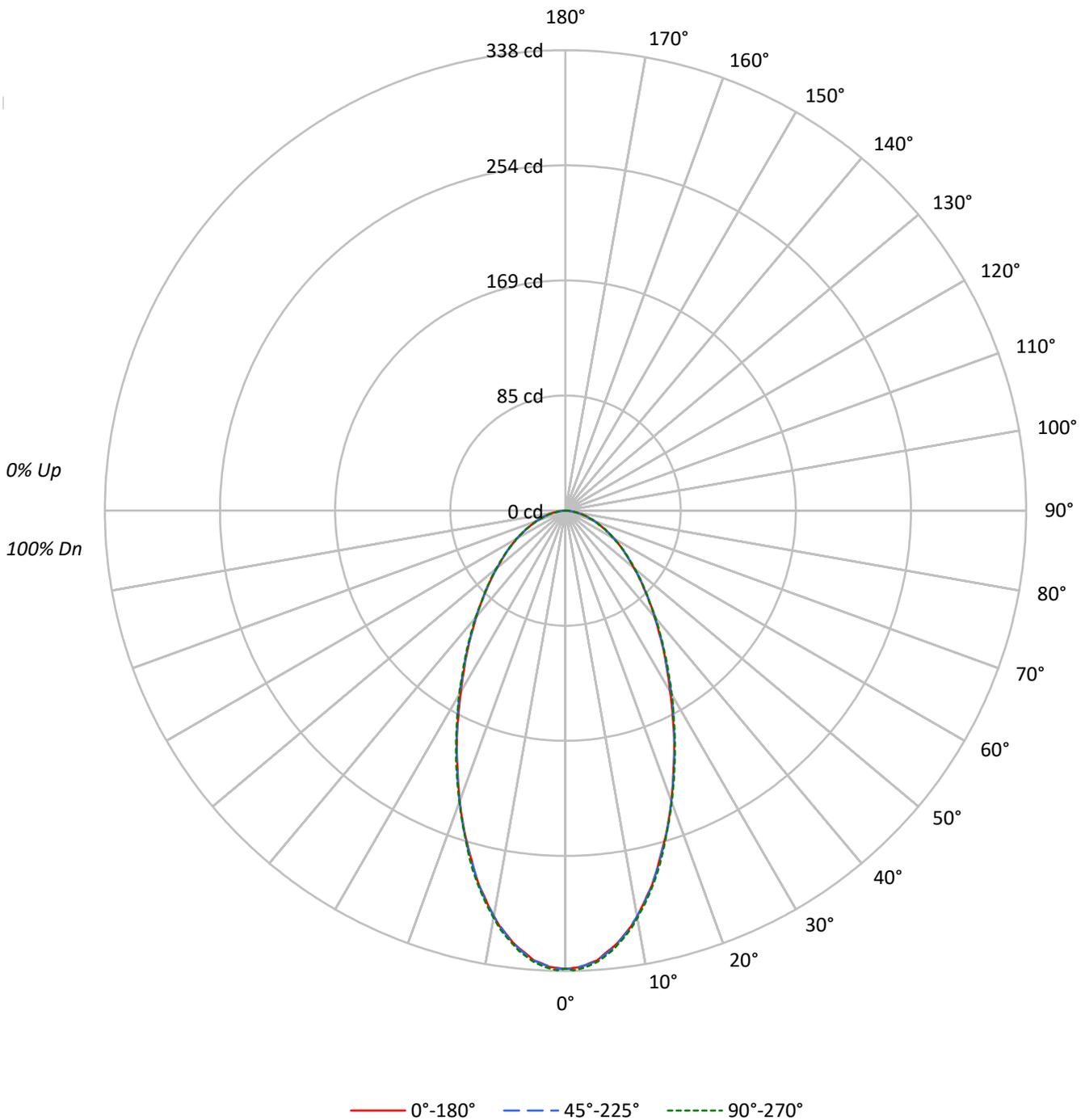
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 432.0 lumens
Efficiency: N/A
Efficacy: 39.3 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): 11
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	111	107	103	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	57936	57936	57936
5°	56515	56618	56826
10°	52884	52884	53093
15°	47409	47516	47837
20°	41622	41622	41732
25°	35877	35877	36105
30°	30546	30904	31023
35°	26386	26512	26638
40°	22842	22977	23112
45°	19948	20094	20094
50°	17603	17603	17764
55°	15794	15794	15794
60°	14191	14191	14191
65°	12674	12674	12674
70°	11430	11430	11430
75°	10314	9915	9915
80°	8926	8331	8331
85°	5928	5928	5928

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 20094 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	30.5	7.1
10°-20°	74.3	17.2
20°-30°	86.8	20.1
30°-40°	78.9	18.3
40°-50°	63.8	14.8
50°-60°	47.1	10.9
60°-70°	31.0	7.2
70°-80°	16.0	3.7
80°-90°	3.7	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°	191.5	44.3
0°-40°	270.4	62.6
0°-60°	381.3	88.3
0°-90°	432.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	432.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	336	336	336	336	336	
5°	327	327	328	328	329	30
15°	266	266	266	266	268	74
25°	189	188	189	189	190	87
35°	126	125	126	126	127	79
45°	82	82	82	82	82	64
55°	53	52	53	52	53	47
65°	31	31	31	31	31	31
75°	16	15	15	15	15	16
85°	3	3	3	3	3	4
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	336.4	336.4	336.4	336.4	336.4
1°	335.8	335.8	336.4	335.8	337.6
2°	335.2	334.6	334.6	334.6	336.4
3°	332.8	332.8	333.4	332.8	334.6
4°	331.1	330.5	331.1	330.5	332.3
5°	326.9	326.9	327.5	327.5	328.7
6°	323.3	323.3	323.9	323.3	325.1
7°	319.1	319.1	319.1	319.1	320.3
8°	313.7	313.7	314.3	314.3	315.5
9°	308.9	308.3	308.3	308.3	310.1
10°	302.4	302.4	302.4	302.4	303.6
11°	295.8	295.8	295.8	295.8	297.0
12°	288.6	288.6	289.2	288.6	290.4
13°	282.1	282.1	282.1	282.1	283.3
14°	274.3	273.7	274.3	274.3	276.1
15°	265.9	266.5	266.5	266.5	268.3
17.5°	246.8	246.8	247.4	246.2	247.4
20°	227.1	226.5	227.1	227.1	227.7
22.5°	206.8	207.4	207.4	207.4	208.6
25°	188.8	188.2	188.8	188.8	190.0
27.5°	170.3	170.9	171.5	170.9	172.1
30°	153.6	154.8	155.4	154.2	156.0
32.5°	138.6	138.6	139.2	139.8	140.4
35°	125.5	124.9	126.1	126.1	126.7
37.5°	112.9	112.9	112.9	113.5	114.1
40°	101.6	101.6	102.2	102.2	102.8
42.5°	91.4	90.8	91.4	91.4	91.4
45°	81.9	82.5	82.5	82.5	82.5
47.5°	73.5	73.5	74.1	73.5	74.1
50°	65.7	65.7	65.7	65.7	66.3
52.5°	58.6	58.6	58.6	58.6	59.2
55°	52.6	52.0	52.6	52.0	52.6
57.5°	46.6	46.6	46.6	46.6	46.6
60°	41.2	40.6	41.2	40.6	41.2
62.5°	35.9	35.9	35.9	35.9	35.9
65°	31.1	31.1	31.1	31.1	31.1
67.5°	26.9	26.9	26.9	26.3	26.3
70°	22.7	22.7	22.7	22.7	22.7
72.5°	19.1	18.5	18.5	18.5	18.5
75°	15.5	14.9	14.9	14.9	14.9
77.5°	12.0	12.0	11.4	11.4	12.0
80°	9.0	8.4	8.4	8.4	8.4
82.5°	5.4	5.4	5.4	5.4	5.4
85°	3.0	3.0	3.0	3.0	3.0
87.5°	0.6	0.6	0.6	1.2	1.2



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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)