

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: P1316746

Luminaire Tested: LDSQA3D17R309740DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316746
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: LDSQA3D17R309740DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

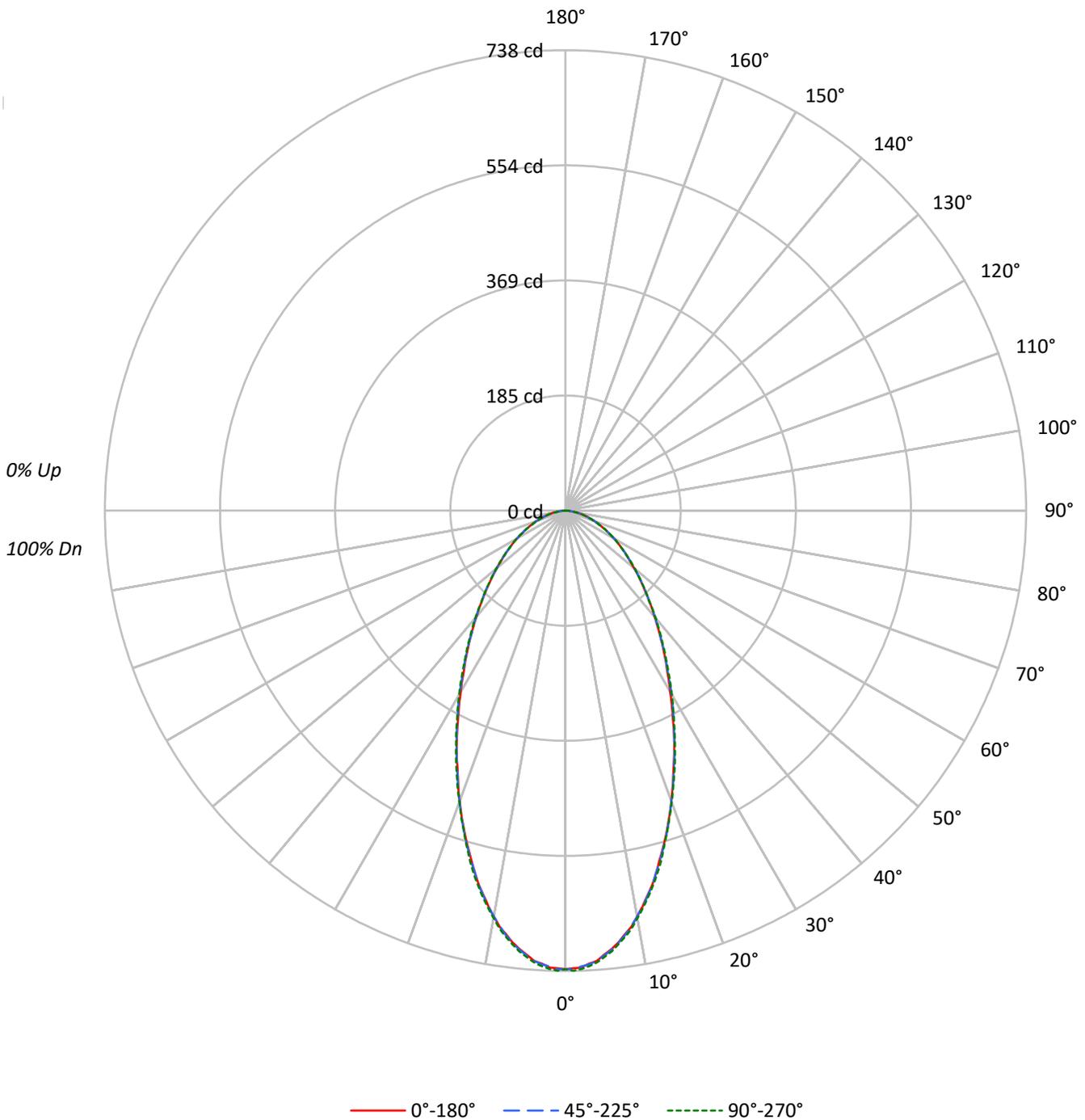
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 944.0 lumens
Efficiency: N/A
Efficacy: 44.5 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): 21.2
Input Voltage (V): NR
Input Current (A_{in}): 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°	126618	126618	126618
5°	123489	123713	124163
10°	115543	115543	116015
15°	103609	103841	104536
20°	90941	90941	91180
25°	78405	78405	78899
30°	66739	67515	67773
35°	57649	57923	58196
40°	49910	50202	50495
45°	43573	43889	43889
50°	38475	38475	38823
55°	34500	34500	34500
60°	31035	31035	31035
65°	27670	27670	27670
70°	24976	24976	24976
75°	22624	21693	21693
80°	19439	18150	18150
85°	12844	12844	12844

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 43889 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	7.1
10°-20°	162.3	17.2
20°-30°	189.6	20.1
30°-40°	172.5	18.3
40°-50°	139.3	14.8
50°-60°	102.9	10.9
60°-70°	67.8	7.2
70°-80°	35.0	3.7
80°-90°	8.0	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°	418.5	44.3
0°-40°	591.0	62.6
0°-60°	833.2	88.3
0°-90°	944.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	944.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	735	735	735	735	735	
5°	714	714	716	716	718	67
15°	581	582	582	582	586	162
25°	413	411	413	413	415	189
35°	274	273	276	276	277	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°	735.2	735.2	735.2	735.2	735.2
1°	733.9	733.9	735.2	733.9	737.8
2°	732.6	731.3	731.3	731.3	735.2
3°	727.3	727.3	728.6	727.3	731.3
4°	723.4	722.1	723.4	722.1	726.0
5°	714.3	714.3	715.6	715.6	718.2
6°	706.4	706.4	707.7	706.4	710.4
7°	697.3	697.3	697.3	697.3	699.9
8°	685.6	685.6	686.9	686.9	689.5
9°	675.1	673.8	673.8	673.8	677.7
10°	660.7	660.7	660.7	660.7	663.4
11°	646.4	646.4	646.4	646.4	649.0
12°	630.7	630.7	632.0	630.7	634.6
13°	616.3	616.3	616.3	616.3	619.0
14°	599.4	598.1	599.4	599.4	603.3
15°	581.1	582.4	582.4	582.4	586.3
17.5°	539.3	539.3	540.6	538.0	540.6
20°	496.2	494.9	496.2	496.2	497.5
22.5°	451.8	453.1	453.1	453.1	455.7
25°	412.6	411.3	412.6	412.6	415.2
27.5°	372.2	373.5	374.8	373.5	376.1
30°	335.6	338.2	339.5	336.9	340.8
32.5°	302.9	302.9	304.3	305.6	306.9
35°	274.2	272.9	275.5	275.5	276.8
37.5°	246.8	246.8	246.8	248.1	249.4
40°	222.0	222.0	223.3	223.3	224.6
42.5°	199.8	198.5	199.8	199.8	199.8
45°	178.9	180.2	180.2	180.2	180.2
47.5°	160.6	160.6	161.9	160.6	161.9
50°	143.6	143.6	143.6	143.6	144.9
52.5°	128.0	128.0	128.0	128.0	129.3
55°	114.9	113.6	114.9	113.6	114.9
57.5°	101.9	101.9	101.9	101.9	101.9
60°	90.1	88.8	90.1	88.8	90.1
62.5°	78.3	78.3	78.3	78.3	78.3
65°	67.9	67.9	67.9	67.9	67.9
67.5°	58.8	58.8	58.8	57.5	57.5
70°	49.6	49.6	49.6	49.6	49.6
72.5°	41.8	40.5	40.5	40.5	40.5
75°	34.0	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°	11.8	11.8	11.8	11.8	11.8
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)