

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: P1311455

Luminaire Tested: LDSQA3D13R209040DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311455
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-17)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R209040DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 4000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

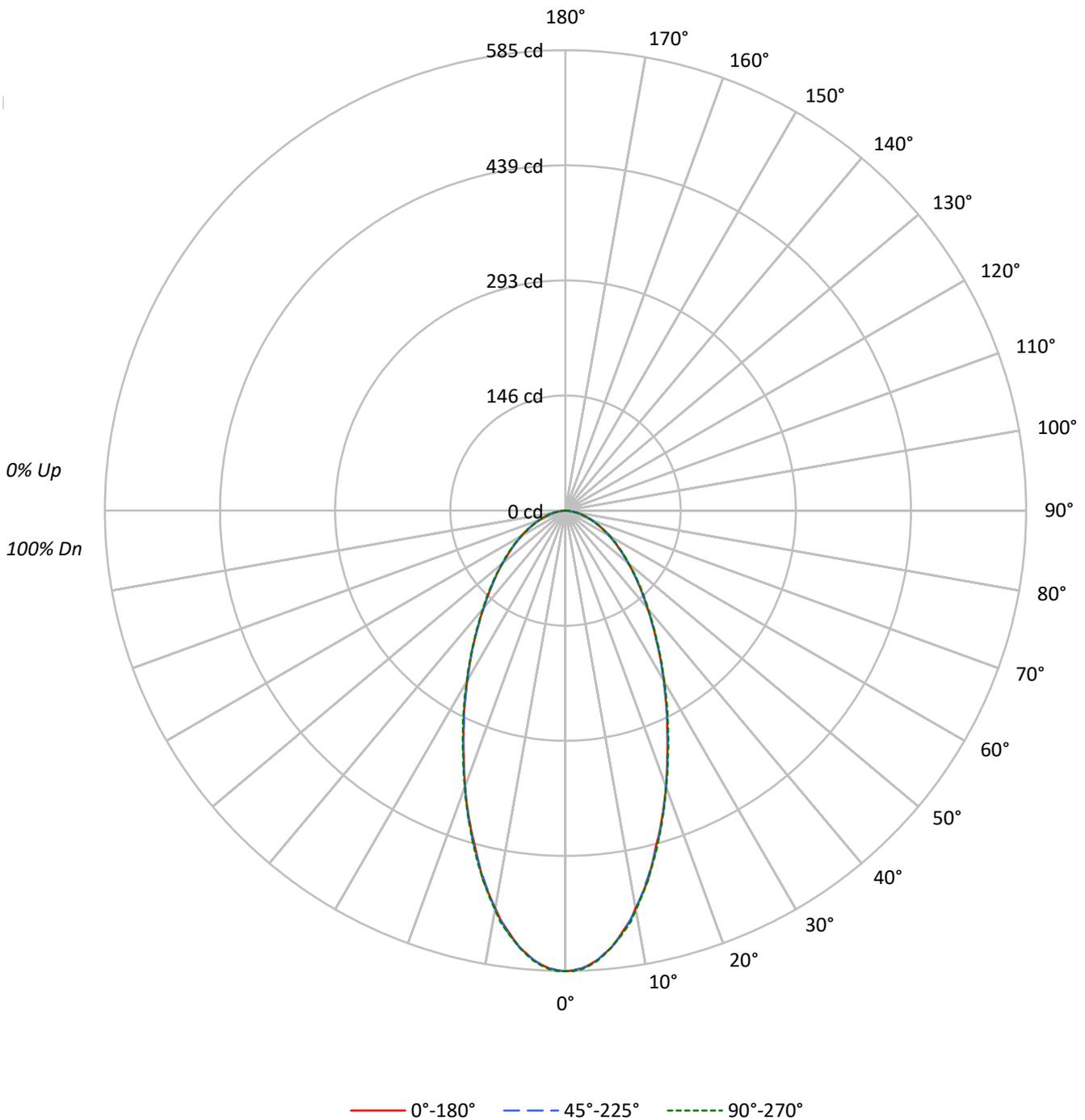
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 700.0 lumens
Efficiency: N/A
Efficacy: 47.9 lumens/watt
Spacing Criteria (0/90/45): 0.77 / 0.77 / 0.86
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	104	100	108	105	102	99	101	98	96	97	95	93	93	92	90	88
2	103	96	91	86	100	94	89	85	91	87	83	88	84	81	85	82	79	77
3	96	87	80	75	93	85	79	74	82	77	73	80	75	72	77	74	70	68
4	89	79	71	66	87	78	71	65	75	69	65	73	68	64	71	67	63	61
5	83	72	64	59	81	71	64	58	69	63	58	67	62	57	65	61	57	55
6	78	66	59	53	76	65	58	53	64	57	52	62	56	52	61	56	52	50
7	73	61	54	48	71	60	53	48	59	53	48	58	52	48	56	51	47	46
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42
9	65	53	46	41	63	52	46	41	51	45	41	50	45	40	49	44	40	39
10	61	50	43	38	60	49	42	38	48	42	38	47	42	38	46	41	37	36

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	100785	100785	100785
5°	97747	97747	97920
10°	89731	89923	90098
15°	79004	79378	79557
20°	68380	68380	68563
25°	58186	58186	58585
30°	49677	49458	49875
35°	42406	42406	42617
40°	36421	36421	36646
45°	31809	31809	32077
50°	27999	27999	27999
55°	24802	24802	25102
60°	22320	22320	22320
65°	20009	20009	20009
70°	17876	17876	17876
75°	15970	15305	15970
80°	13488	13488	13488
85°	8299	8299	10275

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 32077 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	7.5
10°-20°	123.9	17.7
20°-30°	141.1	20.2
30°-40°	126.7	18.1
40°-50°	101.5	14.5
50°-60°	74.6	10.7
60°-70°	48.8	7.0
70°-80°	25.3	3.6
80°-90°	5.9	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°	317.3	45.3
0°-40°	444.0	63.4
0°-60°	620.1	88.6
0°-90°	700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	700.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	585	585	585	585	585	
5°	565	565	565	565	566	52
15°	443	443	445	445	446	124
25°	306	306	306	307	308	141
35°	202	202	202	202	203	127
45°	131	131	131	131	132	101
55°	83	83	83	83	84	74
65°	49	48	49	49	49	49
75°	24	23	23	24	24	25
85°	4	4	4	5	5	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	585.2	585.2	585.2	585.2	585.2
1°	584.2	583.1	584.2	584.2	585.2
2°	582.1	582.1	582.1	581.1	583.1
3°	577.9	577.9	579.0	577.9	579.0
4°	572.7	572.7	572.7	571.6	573.7
5°	565.4	565.4	565.4	565.4	566.4
6°	558.1	557.0	558.1	557.0	558.1
7°	547.6	547.6	548.7	547.6	548.7
8°	537.2	536.1	538.2	537.2	539.2
9°	526.7	525.7	526.7	525.7	528.8
10°	513.1	514.2	514.2	514.2	515.2
12.5°	481.8	479.7	479.7	479.7	481.8
15°	443.1	443.1	445.2	445.2	446.2
17.5°	408.6	407.6	409.7	409.7	409.7
20°	373.1	372.0	373.1	373.1	374.1
22.5°	337.6	338.6	338.6	338.6	339.6
25°	306.2	306.2	306.2	307.2	308.3
27.5°	276.9	275.9	276.9	278.0	279.0
30°	249.8	248.7	248.7	249.8	250.8
32.5°	224.7	223.6	224.7	224.7	225.7
35°	201.7	201.7	201.7	201.7	202.7
37.5°	180.8	180.8	180.8	181.8	181.8
40°	162.0	162.0	162.0	163.0	163.0
42.5°	145.3	145.3	145.3	146.3	147.4
45°	130.6	130.6	130.6	130.6	131.7
47.5°	117.0	117.0	117.0	118.1	118.1
50°	104.5	103.5	104.5	105.6	104.5
52.5°	93.0	93.0	93.0	93.0	94.1
55°	82.6	82.6	82.6	82.6	83.6
57.5°	73.2	73.2	73.2	74.2	74.2
60°	64.8	64.8	64.8	64.8	64.8
62.5°	56.4	56.4	56.4	56.4	56.4
65°	49.1	48.1	49.1	49.1	49.1
67.5°	41.8	41.8	41.8	41.8	41.8
70°	35.5	35.5	35.5	35.5	35.5
72.5°	29.3	29.3	29.3	29.3	29.3
75°	24.0	23.0	23.0	24.0	24.0
77.5°	18.8	17.8	18.8	18.8	18.8
80°	13.6	13.6	13.6	13.6	13.6
82.5°	8.4	8.4	8.4	9.4	9.4
85°	4.2	4.2	4.2	5.2	5.2
87.5°	1.0	1.0	1.0	2.1	2.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)