

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: P1313684

Luminaire Tested: LDSQA3D13R309727DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313684
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: LDSQA3D13R309727DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

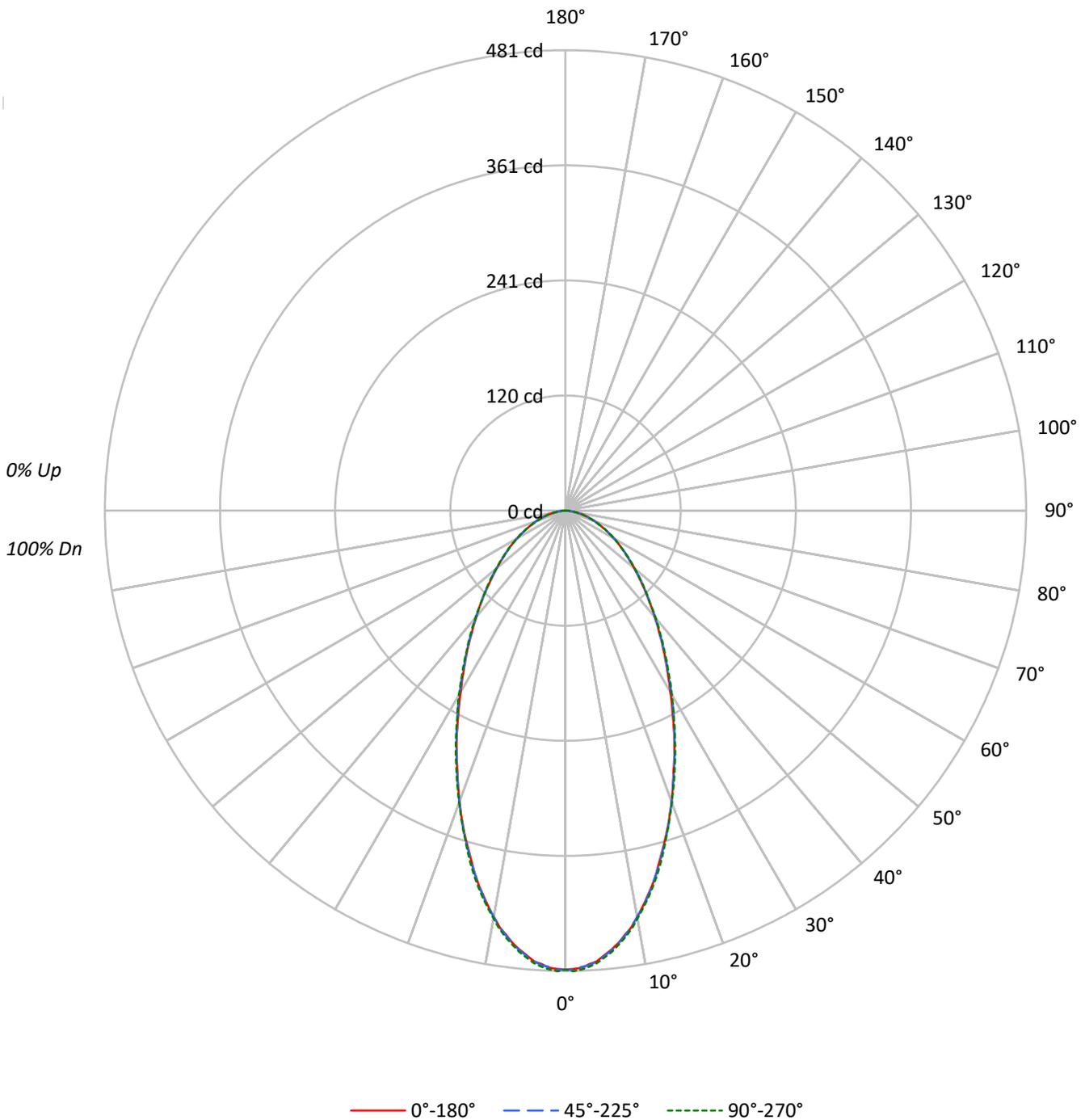
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 616.0 lumens
Efficiency: N/A
Efficacy: 42.2 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): 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	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	93	92	90	88
2	103	96	90	85	100	94	89	84	91	86	83	87	84	81	85	82	79	85	82	79	77
3	95	86	80	74	93	85	79	73	82	77	72	79	75	71	77	73	70	77	73	70	68
4	89	78	71	65	86	77	70	65	75	69	64	73	67	63	71	66	62	71	66	62	60
5	83	72	64	58	81	71	63	58	69	62	57	67	61	57	65	60	56	65	60	56	54
6	77	66	58	52	76	65	58	52	63	57	52	62	56	51	60	55	51	60	55	51	49
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	56	51	47	45
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	52	47	43	41
9	64	52	45	40	63	52	45	40	51	44	40	50	44	40	49	43	40	49	43	40	38
10	61	49	42	37	60	48	42	37	48	41	37	47	41	37	46	41	37	46	41	37	35

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	82615	82615	82615
5°	80580	80718	81029
10°	75408	75408	75705
15°	67611	67753	68217
20°	59345	59345	59491
25°	51174	51174	51497
30°	43552	44049	44228
35°	37613	37802	37970
40°	32577	32756	32959
45°	28423	28643	28643
50°	25105	25105	25346
55°	22520	22520	22520
60°	20253	20253	20253
65°	18053	18053	18053
70°	16315	16315	16315
75°	14772	14173	14173
80°	12695	11802	11802
85°	8497	8497	8497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 28643 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.4	7.1
10°-20°	105.9	17.2
20°-30°	123.7	20.1
30°-40°	112.6	18.3
40°-50°	90.9	14.8
50°-60°	67.2	10.9
60°-70°	44.2	7.2
70°-80°	22.9	3.7
80°-90°	5.2	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°	273.1	44.3
0°-40°	385.6	62.6
0°-60°	543.7	88.3
0°-90°	616.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	616.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	480	480	480	480	480	
5°	466	466	467	467	469	43
15°	379	380	380	380	383	106
25°	269	268	269	269	271	123
35°	179	178	180	180	181	112
45°	117	118	118	118	118	91
55°	75	74	75	74	75	67
65°	44	44	44	44	44	44
75°	22	21	21	21	21	23
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°	479.7	479.7	479.7	479.7	479.7
1°	478.9	478.9	479.7	478.9	481.4
2°	478.0	477.2	477.2	477.2	479.7
3°	474.6	474.6	475.5	474.6	477.2
4°	472.1	471.2	472.1	471.2	473.8
5°	466.1	466.1	466.9	466.9	468.7
6°	461.0	461.0	461.8	461.0	463.5
7°	455.0	455.0	455.0	455.0	456.7
8°	447.4	447.4	448.2	448.2	449.9
9°	440.5	439.7	439.7	439.7	442.2
10°	431.2	431.2	431.2	431.2	432.9
11°	421.8	421.8	421.8	421.8	423.5
12°	411.6	411.6	412.4	411.6	414.1
13°	402.2	402.2	402.2	402.2	403.9
14°	391.1	390.3	391.1	391.1	393.7
15°	379.2	380.0	380.0	380.0	382.6
17.5°	351.9	351.9	352.8	351.1	352.8
20°	323.8	322.9	323.8	323.8	324.6
22.5°	294.8	295.7	295.7	295.7	297.4
25°	269.3	268.4	269.3	269.3	271.0
27.5°	242.8	243.7	244.6	243.7	245.4
30°	219.0	220.7	221.5	219.8	222.4
32.5°	197.7	197.7	198.5	199.4	200.2
35°	178.9	178.1	179.8	179.8	180.6
37.5°	161.0	161.0	161.0	161.9	162.8
40°	144.9	144.9	145.7	145.7	146.6
42.5°	130.4	129.5	130.4	130.4	130.4
45°	116.7	117.6	117.6	117.6	117.6
47.5°	104.8	104.8	105.7	104.8	105.7
50°	93.7	93.7	93.7	93.7	94.6
52.5°	83.5	83.5	83.5	83.5	84.4
55°	75.0	74.1	75.0	74.1	75.0
57.5°	66.5	66.5	66.5	66.5	66.5
60°	58.8	57.9	58.8	57.9	58.8
62.5°	51.1	51.1	51.1	51.1	51.1
65°	44.3	44.3	44.3	44.3	44.3
67.5°	38.3	38.3	38.3	37.5	37.5
70°	32.4	32.4	32.4	32.4	32.4
72.5°	27.3	26.4	26.4	26.4	26.4
75°	22.2	21.3	21.3	21.3	21.3
77.5°	17.0	17.0	16.2	16.2	17.0
80°	12.8	11.9	11.9	11.9	11.9
82.5°	7.7	7.7	7.7	7.7	7.7
85°	4.3	4.3	4.3	4.3	4.3
87.5°	0.9	0.9	0.9	1.7	1.7



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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)