

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: P1311489

Luminaire Tested: LDSQA3D13R309040DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311489
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: LDSQA3D13R309040DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

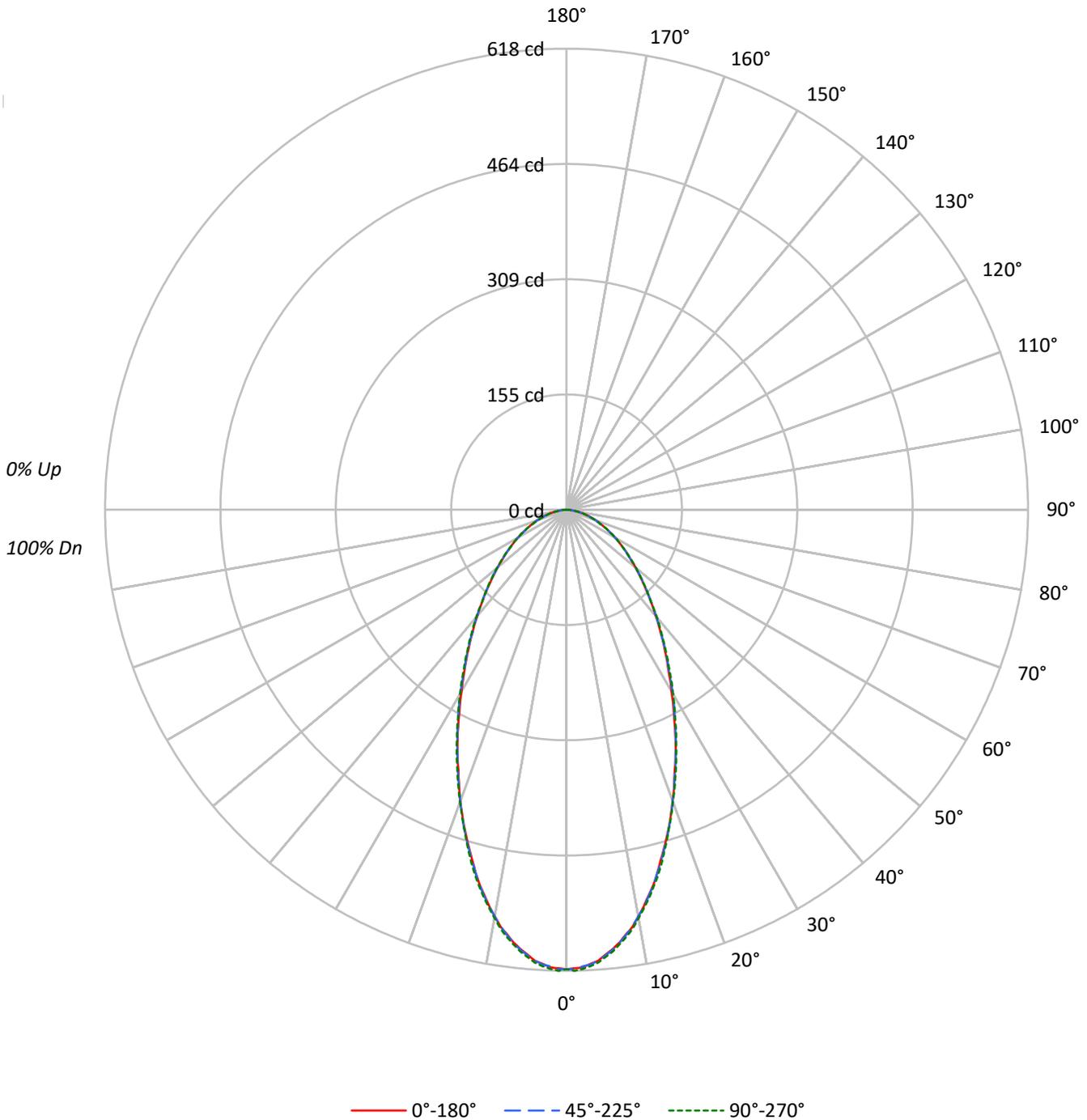
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 791.0 lumens
Efficiency: N/A
Efficacy: 54.2 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	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°	106089	106089	106089
5°	103469	103659	104039
10°	96813	96813	97198
15°	86813	87009	87598
20°	76206	76206	76408
25°	65711	65711	66110
30°	55921	56577	56796
35°	48314	48546	48777
40°	41817	42064	42311
45°	36510	36777	36777
50°	32259	32259	32554
55°	28915	28915	28915
60°	26006	26006	26006
65°	23188	23188	23188
70°	20947	20947	20947
75°	18898	18232	18232
80°	16265	15174	15174
85°	10868	10868	10868

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 36777 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.8	7.1
10°-20°	136.0	17.2
20°-30°	158.9	20.1
30°-40°	144.5	18.3
40°-50°	116.8	14.8
50°-60°	86.2	10.9
60°-70°	56.8	7.2
70°-80°	29.4	3.7
80°-90°	6.7	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°	350.7	44.3
0°-40°	495.2	62.6
0°-60°	698.2	88.3
0°-90°	791.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	791.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	616	616	616	616	616	
5°	598	598	600	600	602	56
15°	487	488	488	488	491	136
25°	346	345	346	346	348	158
35°	230	229	231	231	232	144
45°	150	151	151	151	151	116
55°	96	95	96	95	96	86
65°	57	57	57	57	57	57
75°	28	27	27	27	27	30
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°	616.0	616.0	616.0	616.0	616.0
1°	614.9	614.9	616.0	614.9	618.2
2°	613.8	612.7	612.7	612.7	616.0
3°	609.5	609.5	610.5	609.5	612.7
4°	606.2	605.1	606.2	605.1	608.4
5°	598.5	598.5	599.6	599.6	601.8
6°	591.9	591.9	593.0	591.9	595.2
7°	584.3	584.3	584.3	584.3	586.5
8°	574.4	574.4	575.5	575.5	577.7
9°	565.7	564.6	564.6	564.6	567.9
10°	553.6	553.6	553.6	553.6	555.8
11°	541.6	541.6	541.6	541.6	543.8
12°	528.5	528.5	529.6	528.5	531.8
13°	516.4	516.4	516.4	516.4	518.6
14°	502.2	501.1	502.2	502.2	505.5
15°	486.9	488.0	488.0	488.0	491.3
17.5°	451.9	451.9	453.0	450.8	453.0
20°	415.8	414.7	415.8	415.8	416.9
22.5°	378.6	379.7	379.7	379.7	381.9
25°	345.8	344.7	345.8	345.8	347.9
27.5°	311.8	312.9	314.0	312.9	315.1
30°	281.2	283.4	284.5	282.3	285.6
32.5°	253.8	253.8	254.9	256.0	257.1
35°	229.8	228.7	230.9	230.9	232.0
37.5°	206.8	206.8	206.8	207.9	209.0
40°	186.0	186.0	187.1	187.1	188.2
42.5°	167.4	166.3	167.4	167.4	167.4
45°	149.9	151.0	151.0	151.0	151.0
47.5°	134.6	134.6	135.7	134.6	135.7
50°	120.4	120.4	120.4	120.4	121.5
52.5°	107.2	107.2	107.2	107.2	108.3
55°	96.3	95.2	96.3	95.2	96.3
57.5°	85.3	85.3	85.3	85.3	85.3
60°	75.5	74.4	75.5	74.4	75.5
62.5°	65.7	65.7	65.7	65.7	65.7
65°	56.9	56.9	56.9	56.9	56.9
67.5°	49.2	49.2	49.2	48.1	48.1
70°	41.6	41.6	41.6	41.6	41.6
72.5°	35.0	33.9	33.9	33.9	33.9
75°	28.4	27.4	27.4	27.4	27.4
77.5°	21.9	21.9	20.8	20.8	21.9
80°	16.4	15.3	15.3	15.3	15.3
82.5°	9.8	9.8	9.8	9.8	9.8
85°	5.5	5.5	5.5	5.5	5.5
87.5°	1.1	1.1	1.1	2.2	2.2



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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)