

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: P1320115

Luminaire Tested: LDSQA3D13R309840DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1320115
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: LDSQA3D13R309840DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 98CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

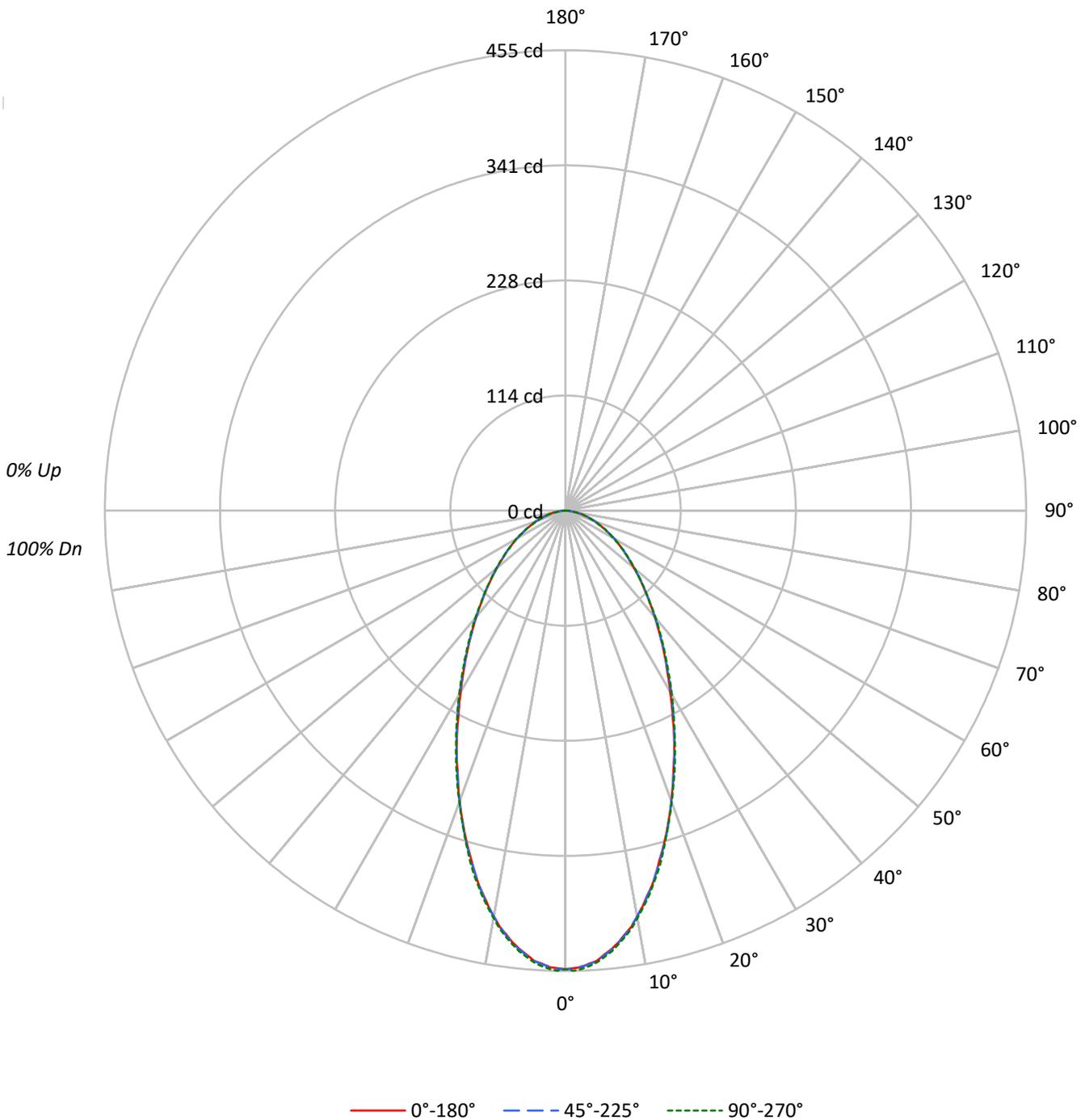
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 582.0 lumens
Efficiency: N/A
Efficacy: 40.1 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): 14.5
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	74	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°	78069	78069	78069
5°	76137	76275	76551
10°	71246	71246	71526
15°	63884	64027	64455
20°	56064	56064	56211
25°	48343	48343	48647
30°	41145	41623	41782
35°	35552	35721	35889
40°	30778	30958	31138
45°	26865	27059	27059
50°	23739	23739	23953
55°	21258	21258	21258
60°	19117	19117	19117
65°	17075	17075	17075
70°	15408	15408	15408
75°	13907	13375	13375
80°	12001	11207	11207
85°	7904	7904	7904

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 27059 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.0	7.1
10°-20°	100.1	17.2
20°-30°	116.9	20.1
30°-40°	106.4	18.3
40°-50°	85.9	14.8
50°-60°	63.4	10.9
60°-70°	41.8	7.2
70°-80°	21.6	3.7
80°-90°	4.9	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°	258.0	44.3
0°-40°	364.4	62.6
0°-60°	513.7	88.3
0°-90°	582.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	582.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	453	453	453	453	453	
5°	440	440	441	441	443	41
15°	358	359	359	359	362	100
25°	254	254	254	254	256	117
35°	169	168	170	170	171	106
45°	110	111	111	111	111	86
55°	71	70	71	70	71	64
65°	42	42	42	42	42	42
75°	21	20	20	20	20	22
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°	453.3	453.3	453.3	453.3	453.3
1°	452.4	452.4	453.3	452.4	454.9
2°	451.6	450.8	450.8	450.8	453.3
3°	448.4	448.4	449.2	448.4	450.8
4°	446.0	445.2	446.0	445.2	447.6
5°	440.4	440.4	441.2	441.2	442.8
6°	435.5	435.5	436.3	435.5	438.0
7°	429.9	429.9	429.9	429.9	431.5
8°	422.7	422.7	423.5	423.5	425.1
9°	416.2	415.4	415.4	415.4	417.8
10°	407.4	407.4	407.4	407.4	409.0
11°	398.5	398.5	398.5	398.5	400.1
12°	388.8	388.8	389.7	388.8	391.3
13°	380.0	380.0	380.0	380.0	381.6
14°	369.5	368.7	369.5	369.5	371.9
15°	358.3	359.1	359.1	359.1	361.5
17.5°	332.5	332.5	333.3	331.7	333.3
20°	305.9	305.1	305.9	305.9	306.7
22.5°	278.6	279.4	279.4	279.4	281.0
25°	254.4	253.6	254.4	254.4	256.0
27.5°	229.4	230.2	231.1	230.2	231.9
30°	206.9	208.5	209.3	207.7	210.1
32.5°	186.8	186.8	187.6	188.4	189.2
35°	169.1	168.3	169.9	169.9	170.7
37.5°	152.2	152.2	152.2	153.0	153.8
40°	136.9	136.9	137.7	137.7	138.5
42.5°	123.2	122.4	123.2	123.2	123.2
45°	110.3	111.1	111.1	111.1	111.1
47.5°	99.0	99.0	99.8	99.0	99.8
50°	88.6	88.6	88.6	88.6	89.4
52.5°	78.9	78.9	78.9	78.9	79.7
55°	70.8	70.0	70.8	70.0	70.8
57.5°	62.8	62.8	62.8	62.8	62.8
60°	55.5	54.7	55.5	54.7	55.5
62.5°	48.3	48.3	48.3	48.3	48.3
65°	41.9	41.9	41.9	41.9	41.9
67.5°	36.2	36.2	36.2	35.4	35.4
70°	30.6	30.6	30.6	30.6	30.6
72.5°	25.8	25.0	25.0	25.0	25.0
75°	20.9	20.1	20.1	20.1	20.1
77.5°	16.1	16.1	15.3	15.3	16.1
80°	12.1	11.3	11.3	11.3	11.3
82.5°	7.2	7.2	7.2	7.2	7.2
85°	4.0	4.0	4.0	4.0	4.0
87.5°	0.8	0.8	0.8	1.6	1.6



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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)