

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: P1308135

Luminaire Tested: LDSQA3D13R309027DE010 3LSQPHRLD1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308135
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: LDSQA3D13R309027DE010 3LSQPHRLD1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQPHRLD1MW TRIM
Light Source: -
Ballast/Driver: -

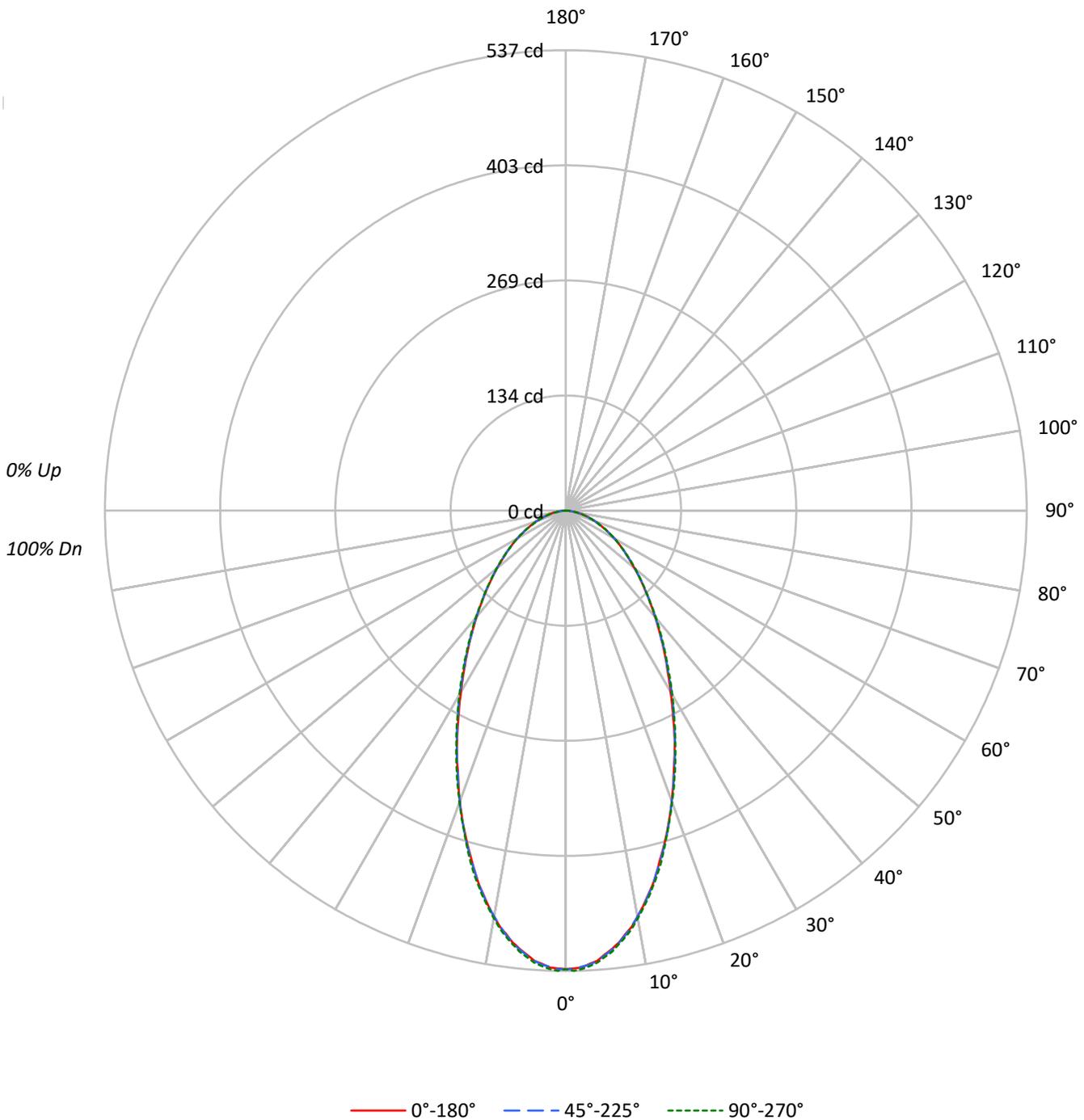
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 687.0 lumens
Efficiency: N/A
Efficacy: 47.1 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): 14.6
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°	92139	92139	92139
5°	89863	90036	90365
10°	84100	84100	84432
15°	75402	75563	76080
20°	66181	66181	66364
25°	57065	57065	57426
30°	48563	49140	49319
35°	41965	42154	42364
40°	36331	36533	36758
45°	31711	31931	31931
50°	27999	27999	28267
55°	25102	25102	25102
60°	22596	22596	22596
65°	20131	20131	20131
70°	18178	18178	18178
75°	16436	15837	15837
80°	14183	13191	13191
85°	9485	9485	9485

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 22.5°
 Vertical Angle: 45°
 Luminance: 31931 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.4	7.1
10°-20°	118.1	17.2
20°-30°	138.0	20.1
30°-40°	125.5	18.3
40°-50°	101.4	14.8
50°-60°	74.9	10.9
60°-70°	49.3	7.2
70°-80°	25.5	3.7
80°-90°	5.8	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°	304.6	44.3
0°-40°	430.1	62.6
0°-60°	606.4	88.3
0°-90°	687.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	687.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	535	535	535	535	535	
5°	520	520	521	521	523	48
15°	423	424	424	424	427	118
25°	300	299	300	300	302	138
35°	200	199	200	200	202	125
45°	130	131	131	131	131	101
55°	84	83	84	83	84	75
65°	49	49	49	49	49	49
75°	25	24	24	24	24	26
85°	5	5	5	5	5	6
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	535.0	535.0	535.0	535.0	535.0
1°	534.1	534.1	535.0	534.1	536.9
2°	533.1	532.2	532.2	532.2	535.0
3°	529.3	529.3	530.3	529.3	532.2
4°	526.5	525.5	526.5	525.5	528.4
5°	519.8	519.8	520.8	520.8	522.7
6°	514.1	514.1	515.1	514.1	517.0
7°	507.5	507.5	507.5	507.5	509.4
8°	498.9	498.9	499.9	499.9	501.8
9°	491.3	490.4	490.4	490.4	493.2
10°	480.9	480.9	480.9	480.9	482.8
11°	470.4	470.4	470.4	470.4	472.3
12°	459.0	459.0	459.9	459.0	461.8
13°	448.5	448.5	448.5	448.5	450.4
14°	436.2	435.2	436.2	436.2	439.0
15°	422.9	423.8	423.8	423.8	426.7
17.5°	392.5	392.5	393.4	391.5	393.4
20°	361.1	360.2	361.1	361.1	362.1
22.5°	328.8	329.8	329.8	329.8	331.7
25°	300.3	299.3	300.3	300.3	302.2
27.5°	270.8	271.8	272.7	271.8	273.7
30°	244.2	246.1	247.1	245.2	248.0
32.5°	220.5	220.5	221.4	222.4	223.3
35°	199.6	198.6	200.5	200.5	201.5
37.5°	179.6	179.6	179.6	180.6	181.5
40°	161.6	161.6	162.5	162.5	163.5
42.5°	145.4	144.4	145.4	145.4	145.4
45°	130.2	131.1	131.1	131.1	131.1
47.5°	116.9	116.9	117.8	116.9	117.8
50°	104.5	104.5	104.5	104.5	105.5
52.5°	93.1	93.1	93.1	93.1	94.1
55°	83.6	82.7	83.6	82.7	83.6
57.5°	74.1	74.1	74.1	74.1	74.1
60°	65.6	64.6	65.6	64.6	65.6
62.5°	57.0	57.0	57.0	57.0	57.0
65°	49.4	49.4	49.4	49.4	49.4
67.5°	42.8	42.8	42.8	41.8	41.8
70°	36.1	36.1	36.1	36.1	36.1
72.5°	30.4	29.5	29.5	29.5	29.5
75°	24.7	23.8	23.8	23.8	23.8
77.5°	19.0	19.0	18.1	18.1	19.0
80°	14.3	13.3	13.3	13.3	13.3
82.5°	8.6	8.6	8.6	8.6	8.6
85°	4.8	4.8	4.8	4.8	4.8
87.5°	1.0	1.0	1.0	1.9	1.9



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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)