

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: P1323904

Luminaire Tested: LDSQA3D13R309030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323904
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-36)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R309030D2WDE010 3LSQCDR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

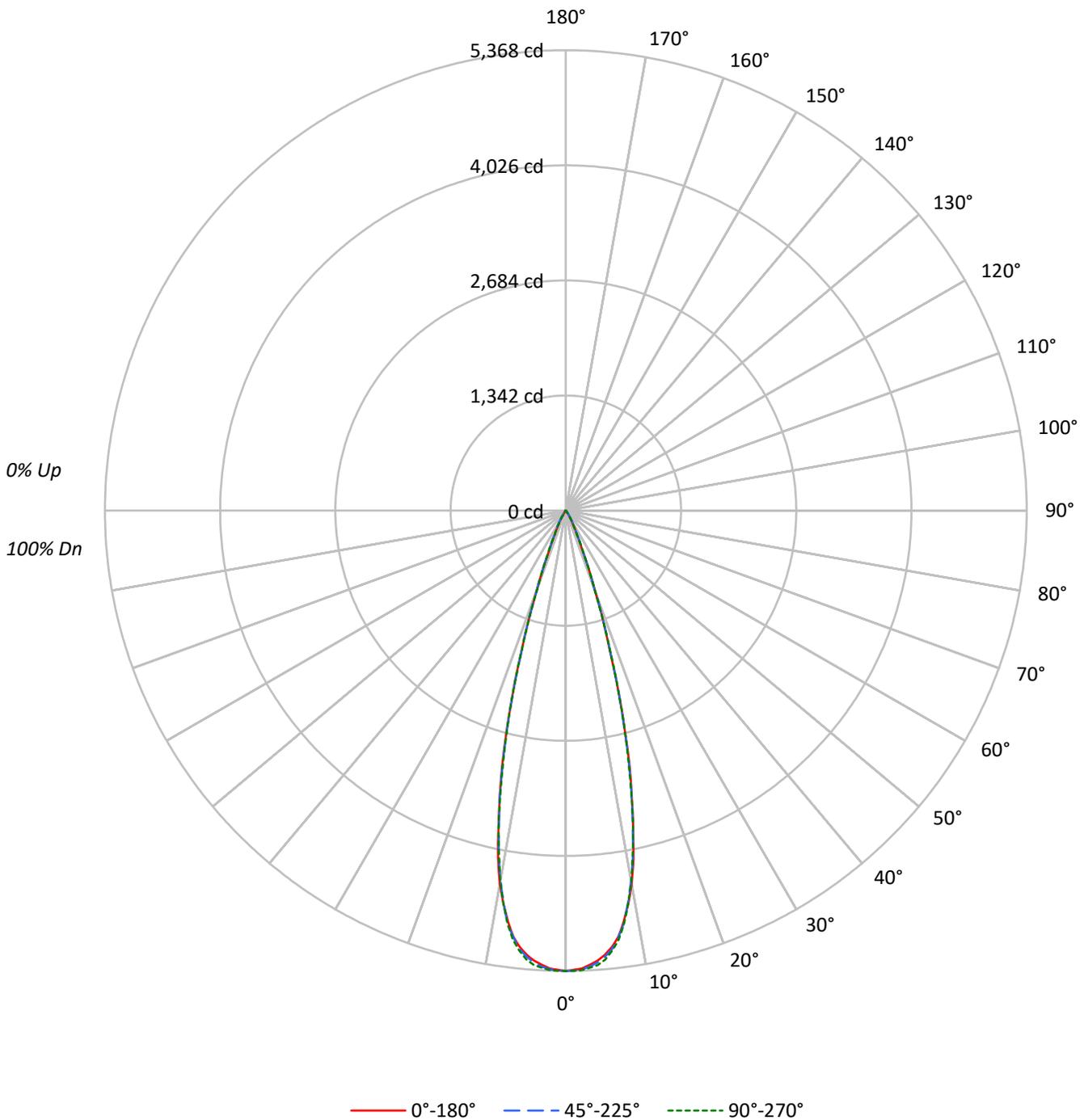
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1396.1 lumens
Efficiency: N/A
Efficacy: 69.5 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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	115	113	111	109	113	111	109	108	107	106	104	103	102	101	100	99	98	98	98	98	97
2	111	108	105	102	109	106	104	101	103	101	99	100	99	97	98	96	95	95	95	95	94
3	108	103	100	97	106	102	99	96	100	97	95	97	95	93	95	93	92	93	93	92	91
4	105	99	96	93	103	98	95	92	96	93	91	95	92	90	93	91	89	93	91	89	88
5	102	96	92	89	100	95	91	89	93	90	88	92	89	87	91	88	86	91	88	86	85
6	99	93	89	86	98	92	88	85	91	87	85	90	87	84	88	86	84	88	86	84	83
7	96	90	86	83	95	89	85	83	88	85	82	87	84	82	86	84	82	86	84	82	81
8	94	87	83	80	93	87	83	80	86	82	80	85	82	80	84	81	79	84	81	79	78
9	91	85	81	78	90	84	80	78	83	80	78	83	80	77	82	79	77	82	79	77	76
10	89	82	78	76	88	82	78	76	81	78	76	81	78	75	80	77	75	80	77	75	74

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	924422	924422	924422
5°	899100	903007	908591
10°	773125	766549	767301
15°	475057	471224	471598
20°	180801	181204	177832
25°	57502	60580	57711
30°	23128	28696	23764
35°	7464	12678	7464
40°	3395	5576	3395
45°	1315	2363	1315
50°	589	1152	589
55°	661	661	661
60°	758	758	758
65°	448	448	448
70°	554	554	554
75°	732	732	732
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2363 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	473.5	33.9
10°-20°	702.4	50.3
20°-30°	174.5	12.5
30°-40°	34.8	2.5
40°-50°	6.3	0.5
50°-60°	2.0	0.1
60°-70°	1.5	0.1
70°-80°	1.0	0.1
80°-90°	0.0	0.0
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°	1350.4	96.7
0°-40°	1385.2	99.2
0°-60°	1393.6	99.8
0°-90°	1396.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1396.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5368	5368	5368	5368	5368	
5°	5201	5218	5223	5231	5256	473
15°	2664	2670	2643	2652	2645	705
25°	303	309	319	314	304	170
35°	36	46	60	45	36	29
45°	5	6	10	8	5	5
55°	2	2	2	2	2	2
65°	1	1	1	1	1	1
75°	1	1	1	1	1	1
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5367.6	5367.6	5367.6	5367.6	5367.6
1°	5355.8	5362.2	5366.5	5366.5	5366.5
2°	5340.7	5345.0	5351.4	5352.5	5361.1
3°	5305.1	5314.8	5325.6	5332.1	5336.4
4°	5262.1	5275.0	5281.4	5297.6	5311.6
5°	5200.7	5217.9	5223.3	5230.8	5255.6
6°	5117.7	5130.7	5141.4	5144.7	5159.7
7°	5007.9	5014.4	5012.2	5017.6	5044.5
8°	4841.0	4843.1	4861.4	4849.6	4867.9
9°	4642.8	4634.2	4629.9	4638.5	4639.6
10°	4420.9	4391.9	4383.3	4375.7	4387.6
11°	4133.4	4095.7	4098.9	4096.8	4079.5
12°	3775.8	3771.5	3743.5	3748.9	3774.8
13°	3410.8	3418.3	3412.9	3419.4	3390.3
14°	3068.3	3031.7	3041.4	3004.7	3018.7
15°	2664.4	2669.8	2642.9	2651.5	2645.0
17.5°	1705.9	1717.8	1709.1	1701.6	1713.5
20°	986.5	985.4	988.7	979.0	970.3
22.5°	519.1	526.6	536.3	537.4	543.9
25°	302.6	309.1	318.8	314.5	303.7
27.5°	185.2	197.1	212.2	201.4	188.5
30°	116.3	126.0	144.3	127.1	119.5
32.5°	65.7	79.7	94.8	79.7	65.7
35°	35.5	46.3	60.3	45.2	35.5
37.5°	23.7	26.9	39.8	26.9	23.7
40°	15.1	18.3	24.8	18.3	15.1
42.5°	8.6	11.8	14.0	11.8	8.6
45°	5.4	6.5	9.7	7.5	5.4
47.5°	2.2	3.2	6.5	3.2	3.2
50°	2.2	2.2	4.3	2.2	2.2
52.5°	2.2	2.2	2.2	2.2	2.2
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.2	2.2	2.2	2.2	2.2
60°	2.2	2.2	2.2	2.2	2.2
62.5°	2.2	2.2	2.2	2.2	2.2
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
80°	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0



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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)