

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: P1324101

Luminaire Tested: LDSQA3D17R509030D2WDE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1324101
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R509030D2WDE010 3LSQCDR1MMS
Description: 3in Adjustable Dim to Warm LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

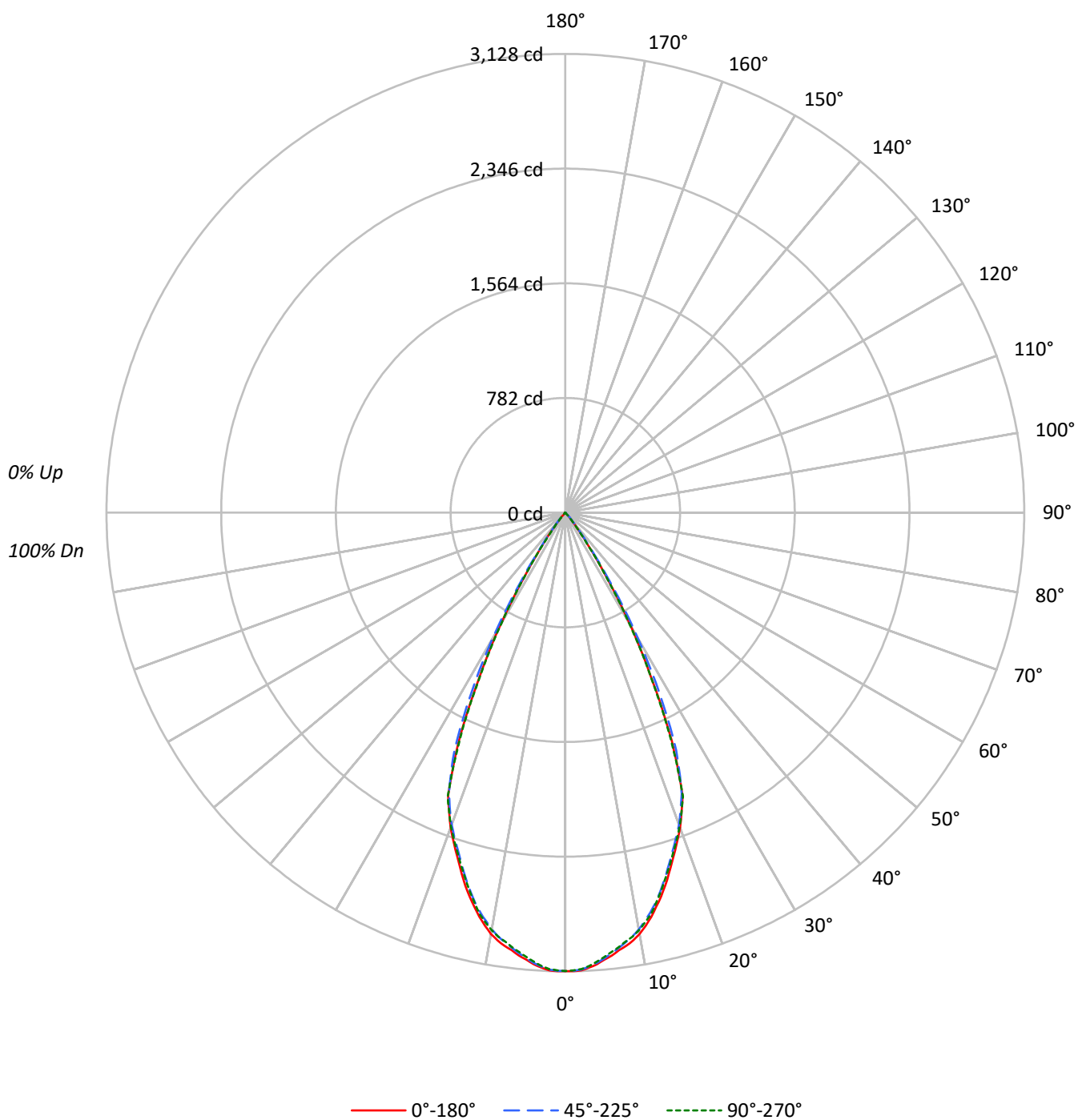
Lumens per Lamp: N/A
Luminaire Lumens: 2013.0 lumens
Efficiency: N/A
Efficacy: 73.7 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 27.3
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
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	110	108	106	106	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	98	95		97	95	93		95
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	93	88	85	90	87	84		89	85	83		87
5	96	89	84	80	95	88	83	79	86	82	79		85	81	78		83
6	92	84	79	75	91	83	79	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76
8	85	76	71	67	83	76	71	67	75	70	67		74	70	67		73
9	81	73	67	64	80	72	67	64	71	67	64		70	66	63		70
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	538368	538368	538368
5°	528980	527476	525989
10°	510158	504632	505629
15°	469298	463396	464680
20°	419078	415119	417483
25°	326162	339844	322589
30°	176672	197295	173530
35°	55694	66290	54496
40°	12298	17154	11646
45°	341	5261	341
50°	0	777	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 5261 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.4	14.2
10°-20°	727.7	36.1
20°-30°	766.4	38.1
30°-40°	218.9	10.9
40°-50°	13.6	0.7
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	1780.5	88.4
0°-40°	1999.4	99.3
0°-60°	2013.0	100.0
0°-90°	2013.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2013.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3126	3126	3126	3126	3126	
5°	3060	3057	3051	3048	3042	288
15°	2632	2615	2599	2603	2606	733
25°	1716	1780	1788	1768	1698	751
35°	265	284	315	268	259	207
45°	1	7	22	7	1	8
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3126.0	3126.0	3126.0	3126.0	3126.0
1°	3127.5	3128.9	3126.0	3128.9	3121.7
2°	3123.1	3120.3	3117.4	3118.8	3114.5
3°	3107.3	3105.9	3100.1	3101.5	3095.8
4°	3087.1	3082.8	3078.5	3075.6	3069.9
5°	3059.8	3056.9	3051.1	3048.3	3042.5
6°	3036.7	3031.0	3020.9	3018.0	3012.3
7°	3006.5	3003.6	2990.7	2987.8	2984.9
8°	2983.5	2974.8	2959.0	2960.4	2953.2
9°	2953.2	2941.7	2925.9	2925.9	2927.3
10°	2917.2	2899.9	2885.6	2889.9	2891.3
11°	2869.7	2858.2	2836.6	2846.7	2846.7
12°	2817.9	2803.5	2787.6	2796.3	2802.0
13°	2757.4	2745.9	2731.5	2740.1	2737.2
14°	2698.4	2676.8	2666.7	2678.2	2673.9
15°	2632.1	2614.8	2599.0	2603.3	2606.2
17.5°	2455.0	2436.3	2424.8	2426.2	2439.2
20°	2286.6	2279.4	2265.0	2270.7	2277.9
22.5°	2087.8	2090.7	2073.4	2077.8	2095.0
25°	1716.4	1779.7	1788.4	1768.2	1697.6
27.5°	1271.4	1366.5	1395.3	1349.2	1262.8
30°	888.4	914.3	992.1	904.3	872.6
32.5°	521.2	560.1	601.9	541.4	519.8
35°	264.9	283.7	315.3	267.8	259.2
37.5°	122.4	131.0	144.0	122.4	115.2
40°	54.7	64.8	76.3	61.9	51.8
42.5°	17.3	30.2	40.3	27.4	15.8
45°	1.4	7.2	21.6	7.2	1.4
47.5°	0.0	1.4	8.6	1.4	0.0
50°	0.0	0.0	2.9	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
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)