

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: P1324100

Luminaire Tested: LDSQA3D17R509030D2WDE010 3LSQCDR1MB

Issue Date: 1/29/2026

**Test Information**

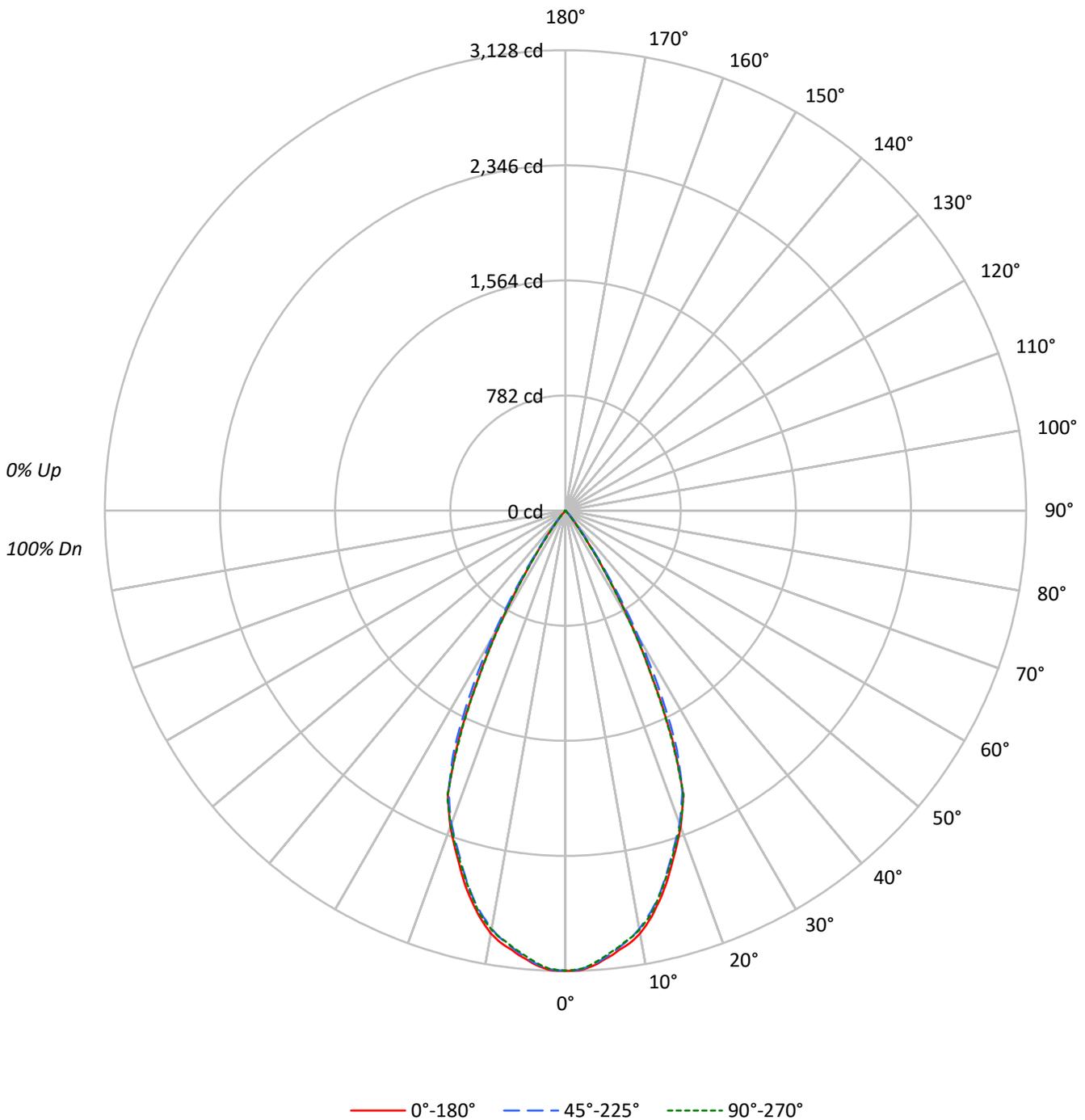
Test Method: LM-79-2019  
Report Number: P1324100  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/29/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LDSQA3D17R509030D2WDE010 3LSQCDR1MB  
Description: 3in Adjustable Dim to Warm LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,  
3LSQCDR1MB 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			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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

**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	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)