

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: P1315653

Luminaire Tested: LDSQA3D13R409735DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315653
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R409735DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

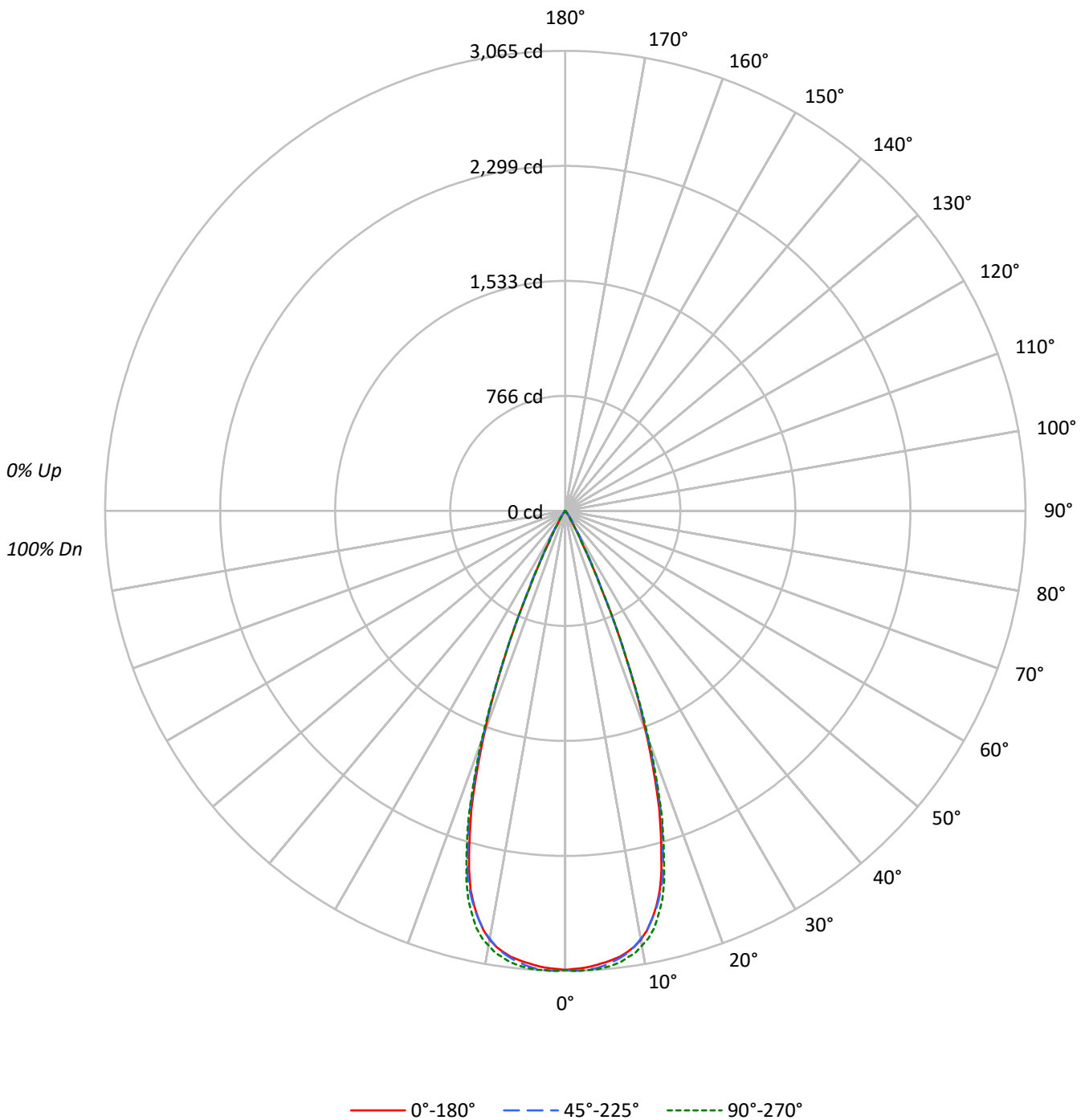
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1286.0 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
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 (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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	100	
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	96	
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	92	
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	89	
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	85	
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	82	
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	79	
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	76	
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	73	
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	71	
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	69	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	526674	526674	526674
5°	522116	525401	527908
10°	507255	506294	514216
15°	441270	448384	453875
20°	289612	295257	299087
25°	103241	109265	102728
30°	22512	30426	22691
35°	7232	12573	7043
40°	2248	3867	2046
45°	219	1315	219
50°	0	241	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: 1315 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	286.0	22.2
10°-20°	666.0	51.8
20°-30°	298.7	23.2
30°-40°	32.3	2.5
40°-50°	3.0	0.2
50°-60°	0.0	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°	1250.7	97.3
0°-40°	1283.0	99.8
0°-60°	1286.0	100.0
0°-90°	1286.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1286.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3058	3058	3058	3058	3058	
5°	3020	3028	3039	3044	3054	285
15°	2475	2493	2515	2529	2546	658
25°	543	560	575	585	541	290
35°	34	40	60	39	34	27
45°	1	2	5	2	1	2
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°	3058.1	3058.1	3058.1	3058.1	3058.1
1°	3051.8	3058.1	3063.6	3059.0	3065.4
2°	3049.1	3056.3	3064.5	3060.0	3065.4
3°	3041.8	3050.9	3060.0	3057.2	3062.7
4°	3031.9	3039.1	3052.7	3052.7	3060.9
5°	3020.1	3028.3	3039.1	3043.7	3053.6
6°	3007.4	3012.0	3020.1	3029.2	3042.7
7°	2991.1	2991.1	3001.1	3010.1	3028.3
8°	2968.5	2966.7	2973.9	2985.7	3002.0
9°	2940.4	2934.1	2939.5	2956.7	2981.2
10°	2900.6	2895.1	2895.1	2916.9	2940.4
11°	2849.0	2847.1	2848.0	2868.9	2900.6
12°	2779.2	2781.0	2781.0	2804.6	2843.5
13°	2700.4	2699.5	2707.7	2733.9	2760.2
14°	2604.4	2609.9	2618.0	2641.6	2668.7
15°	2474.9	2493.1	2514.8	2529.3	2545.6
17.5°	2081.0	2099.1	2129.0	2140.8	2144.4
20°	1580.2	1606.5	1611.0	1634.6	1631.9
22.5°	1059.5	1057.7	1061.3	1064.1	1065.0
25°	543.3	559.6	575.0	585.0	540.6
27.5°	236.4	264.4	284.4	258.1	239.1
30°	113.2	128.6	153.0	129.5	114.1
32.5°	61.6	71.5	96.9	70.6	60.7
35°	34.4	39.8	59.8	38.9	33.5
37.5°	19.9	21.7	32.6	21.7	19.0
40°	10.0	12.7	17.2	12.7	9.1
42.5°	3.6	6.3	9.1	6.3	3.6
45°	0.9	1.8	5.4	1.8	0.9
47.5°	0.0	0.0	2.7	0.0	0.0
50°	0.0	0.0	0.9	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)