

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: P1308161

Luminaire Tested: LDSQA3D13R409027DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308161
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: LDSQA3D13R409027DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

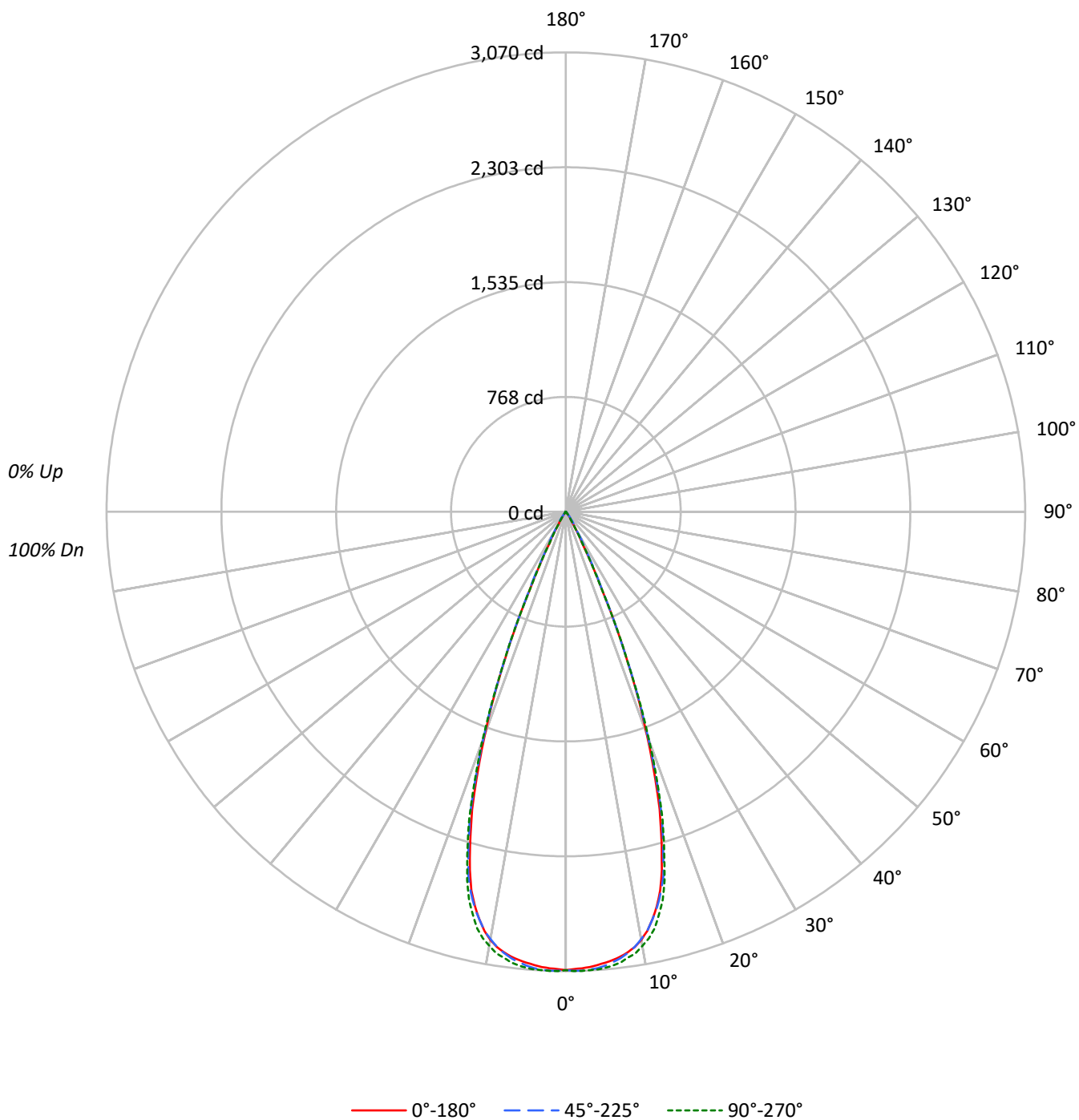
Lumens per Lamp: N/A
Luminaire Lumens: 1288.0 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					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	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	527501	527501	527501
5°	522929	526231	528738
10°	508042	507080	515020
15°	441965	449079	454571
20°	290070	295715	299545
25°	103413	109436	102899
30°	22551	30486	22730
35°	7253	12594	7064
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°	286.4	22.2
10°-20°	667.1	51.8
20°-30°	299.2	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°	1252.7	97.3
0°-40°	1285.0	99.8
0°-60°	1288.0	100.0
0°-90°	1288.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1288.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3063	3063	3063	3063	3063	
5°	3025	3033	3044	3048	3058	285
15°	2479	2497	2519	2533	2550	659
25°	544	560	576	586	542	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3062.9	3062.9	3062.9	3062.9	3062.9
1°	3056.6	3062.9	3068.3	3063.8	3070.2
2°	3053.8	3061.1	3069.2	3064.7	3070.2
3°	3046.6	3055.6	3064.7	3062.0	3067.4
4°	3036.6	3043.9	3057.5	3057.5	3065.6
5°	3024.8	3033.0	3043.9	3048.4	3058.4
6°	3012.1	3016.6	3024.8	3033.9	3047.5
7°	2995.8	2995.8	3005.8	3014.8	3033.0
8°	2973.1	2971.3	2978.5	2990.3	3006.7
9°	2945.0	2938.6	2944.1	2961.3	2985.8
10°	2905.1	2899.6	2899.6	2921.4	2945.0
11°	2853.4	2851.6	2852.5	2873.3	2905.1
12°	2783.5	2785.4	2785.4	2808.9	2847.9
13°	2704.6	2703.7	2711.9	2738.2	2764.5
14°	2608.5	2613.9	2622.1	2645.7	2672.9
15°	2478.8	2496.9	2518.7	2533.2	2549.5
17.5°	2084.3	2102.4	2132.3	2144.1	2147.7
20°	1582.7	1609.0	1613.5	1637.1	1634.4
22.5°	1061.2	1059.4	1063.0	1065.7	1066.6
25°	544.2	560.5	575.9	585.9	541.5
27.5°	236.7	264.8	284.8	258.5	239.4
30°	113.4	128.8	153.3	129.7	114.3
32.5°	61.7	71.7	97.0	70.7	60.8
35°	34.5	39.9	59.9	39.0	33.6
37.5°	20.0	21.8	32.7	21.8	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)