

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: P1313710

Luminaire Tested: LDSQA3D13R409727DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313710
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: LDSQA3D13R409727DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

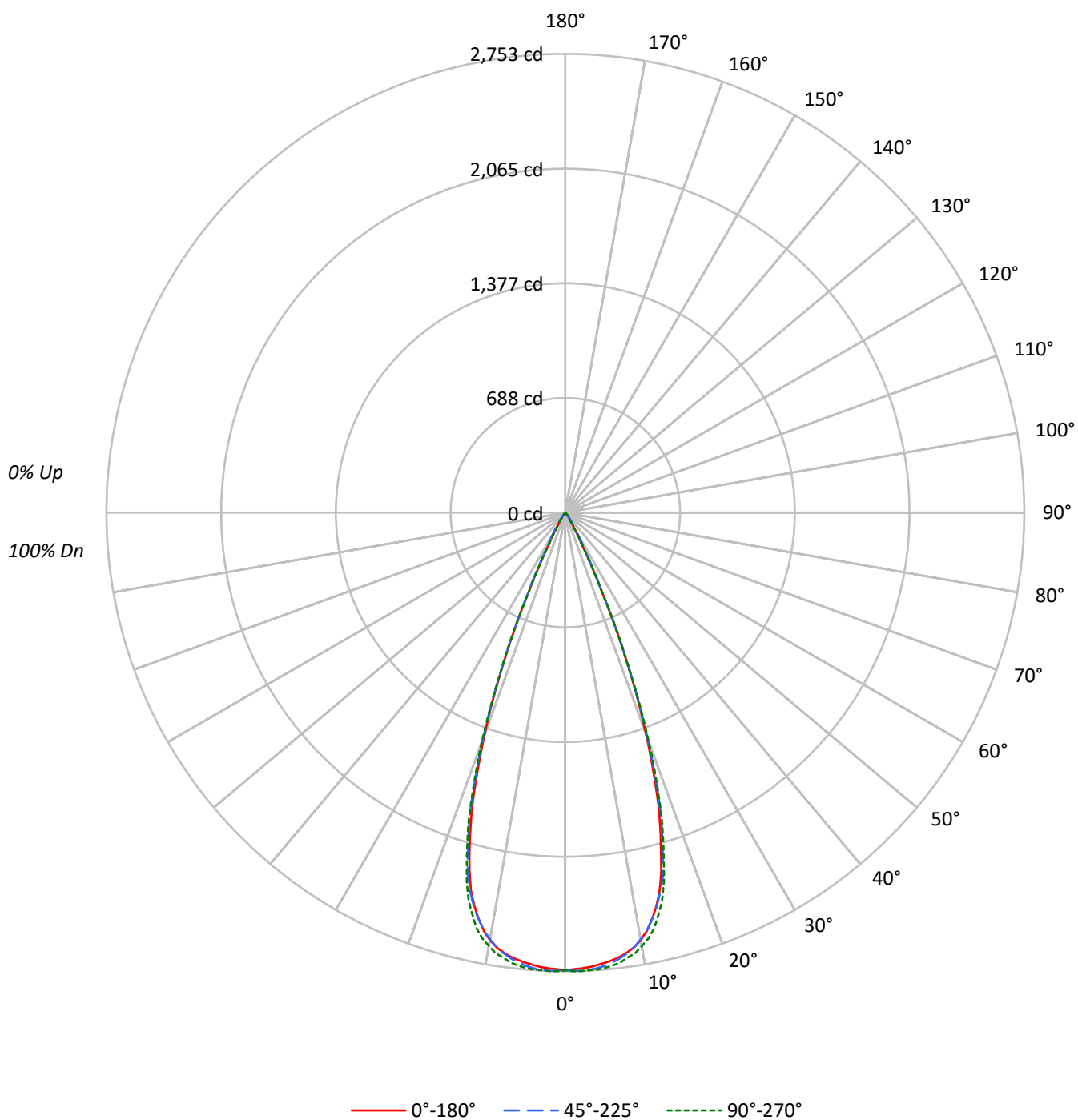
Lumens per Lamp: N/A
Luminaire Lumens: 1155.0 lumens
Efficiency: N/A
Efficacy: 79.1 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					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°	473027	473027	473027
5°	468938	471877	474142
10°	455578	454722	461839
15°	396321	402704	407643
20°	260123	265181	268609
25°	92733	98149	92277
30°	20225	27344	20384
35°	6497	11290	6328
40°	2001	3485	1821
45°	195	1193	195
50°	0	214	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: 1193 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.9	22.2
10°-20°	598.2	51.8
20°-30°	268.3	23.2
30°-40°	29.0	2.5
40°-50°	2.7	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°	1123.3	97.3
0°-40°	1152.3	99.8
0°-60°	1155.0	100.0
0°-90°	1155.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1155.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2747	2747	2747	2747	2747	
5°	2712	2720	2730	2734	2743	256
15°	2223	2239	2259	2272	2286	591
25°	488	503	516	525	486	260
35°	31	36	54	35	30	24
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°	2746.6	2746.6	2746.6	2746.6	2746.6
1°	2740.9	2746.6	2751.5	2747.4	2753.1
2°	2738.5	2745.0	2752.3	2748.2	2753.1
3°	2732.0	2740.1	2748.2	2745.8	2750.7
4°	2723.0	2729.5	2741.7	2741.7	2749.1
5°	2712.5	2719.8	2729.5	2733.6	2742.6
6°	2701.1	2705.1	2712.5	2720.6	2732.8
7°	2686.4	2686.4	2695.4	2703.5	2719.8
8°	2666.1	2664.5	2671.0	2681.6	2696.2
9°	2640.9	2635.2	2640.1	2655.5	2677.5
10°	2605.1	2600.2	2600.2	2619.7	2640.9
11°	2558.7	2557.1	2557.9	2576.6	2605.1
12°	2496.1	2497.7	2497.7	2518.9	2553.9
13°	2425.4	2424.5	2431.9	2455.4	2479.0
14°	2339.1	2344.0	2351.3	2372.5	2396.9
15°	2222.8	2239.1	2258.6	2271.6	2286.3
17.5°	1869.0	1885.3	1912.1	1922.7	1926.0
20°	1419.3	1442.9	1446.9	1468.1	1465.6
22.5°	951.6	950.0	953.2	955.7	956.5
25°	488.0	502.6	516.5	525.4	485.6
27.5°	212.3	237.5	255.4	231.8	214.7
30°	101.7	115.5	137.5	116.3	102.5
32.5°	55.3	64.3	87.0	63.4	54.5
35°	30.9	35.8	53.7	35.0	30.1
37.5°	17.9	19.5	29.3	19.5	17.1
40°	8.9	11.4	15.5	11.4	8.1
42.5°	3.3	5.7	8.1	5.7	3.3
45°	0.8	1.6	4.9	1.6	0.8
47.5°	0.0	0.0	2.4	0.0	0.0
50°	0.0	0.0	0.8	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)