

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: P1311523

Luminaire Tested: LDSQA3D13R459040DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311523
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R459040DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

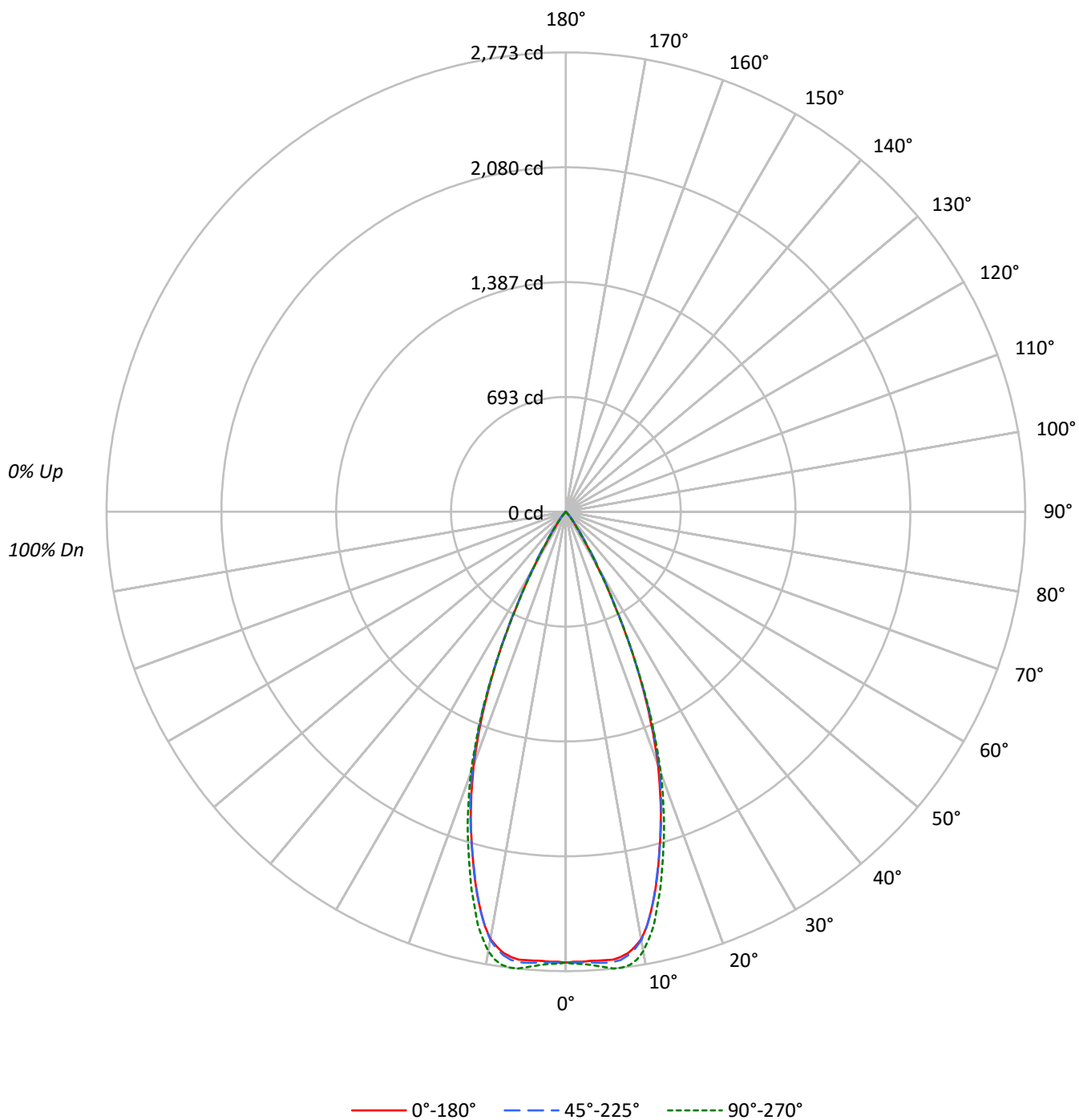
Lumens per Lamp: N/A
Luminaire Lumens: 1407.0 lumens
Efficiency: N/A
Efficacy: 96.4 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
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	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	468687	468687	468687
5°	469751	472465	477167
10°	457992	458901	470968
15°	386390	386568	399245
20°	298263	302478	307463
25°	185029	185238	186416
30°	76325	81117	75092
35°	23758	29035	22875
40°	7284	10117	6812
45°	511	3824	511
50°	0	563	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: 3824 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.0	18.4
10°-20°	602.2	42.8
20°-30°	441.8	31.4
30°-40°	94.9	6.7
40°-50°	9.0	0.6
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°	1303.0	92.6
0°-40°	1397.9	99.4
0°-60°	1407.0	100.0
0°-90°	1407.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1407.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2721	2721	2721	2721	2721	
5°	2717	2724	2733	2752	2760	257
15°	2167	2163	2168	2203	2239	597
25°	974	971	975	975	981	437
35°	113	121	138	118	109	89
45°	2	6	16	6	2	5
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°	2721.4	2721.4	2721.4	2721.4	2721.4
1°	2716.2	2722.4	2722.4	2726.6	2728.7
2°	2718.2	2722.4	2721.4	2728.7	2731.8
3°	2715.1	2722.4	2724.5	2732.9	2738.1
4°	2716.2	2722.4	2728.7	2741.3	2748.6
5°	2717.2	2724.5	2732.9	2751.7	2760.1
6°	2718.2	2723.5	2732.9	2756.9	2772.6
7°	2707.8	2715.1	2725.6	2755.9	2772.6
8°	2691.1	2695.2	2703.6	2743.3	2763.2
9°	2659.7	2658.6	2671.2	2715.1	2738.1
10°	2618.9	2606.3	2624.1	2668.0	2693.1
11°	2553.0	2539.4	2555.1	2602.2	2626.2
12°	2467.2	2467.2	2470.4	2512.2	2554.0
13°	2376.2	2365.8	2372.1	2419.1	2448.4
14°	2275.8	2265.4	2271.7	2307.2	2353.2
15°	2167.1	2162.9	2168.1	2202.6	2239.2
17.5°	1908.7	1899.3	1918.1	1952.7	1971.5
20°	1627.4	1643.1	1650.4	1672.4	1677.6
22.5°	1304.2	1320.9	1331.4	1334.5	1337.7
25°	973.7	970.6	974.8	974.8	981.0
27.5°	640.1	640.1	651.6	644.3	636.9
30°	383.8	399.5	407.9	394.3	377.6
32.5°	209.2	224.9	238.5	218.6	203.9
35°	113.0	121.3	138.1	118.2	108.8
37.5°	61.7	69.0	79.5	66.9	61.7
40°	32.4	39.7	45.0	39.7	30.3
42.5°	10.5	19.9	26.1	19.9	9.4
45°	2.1	6.3	15.7	6.3	2.1
47.5°	0.0	1.0	7.3	1.0	0.0
50°	0.0	0.0	2.1	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)