

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: P1307189

Luminaire Tested: LDSQA3D13R409024DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307189
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: LDSQA3D13R409024DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

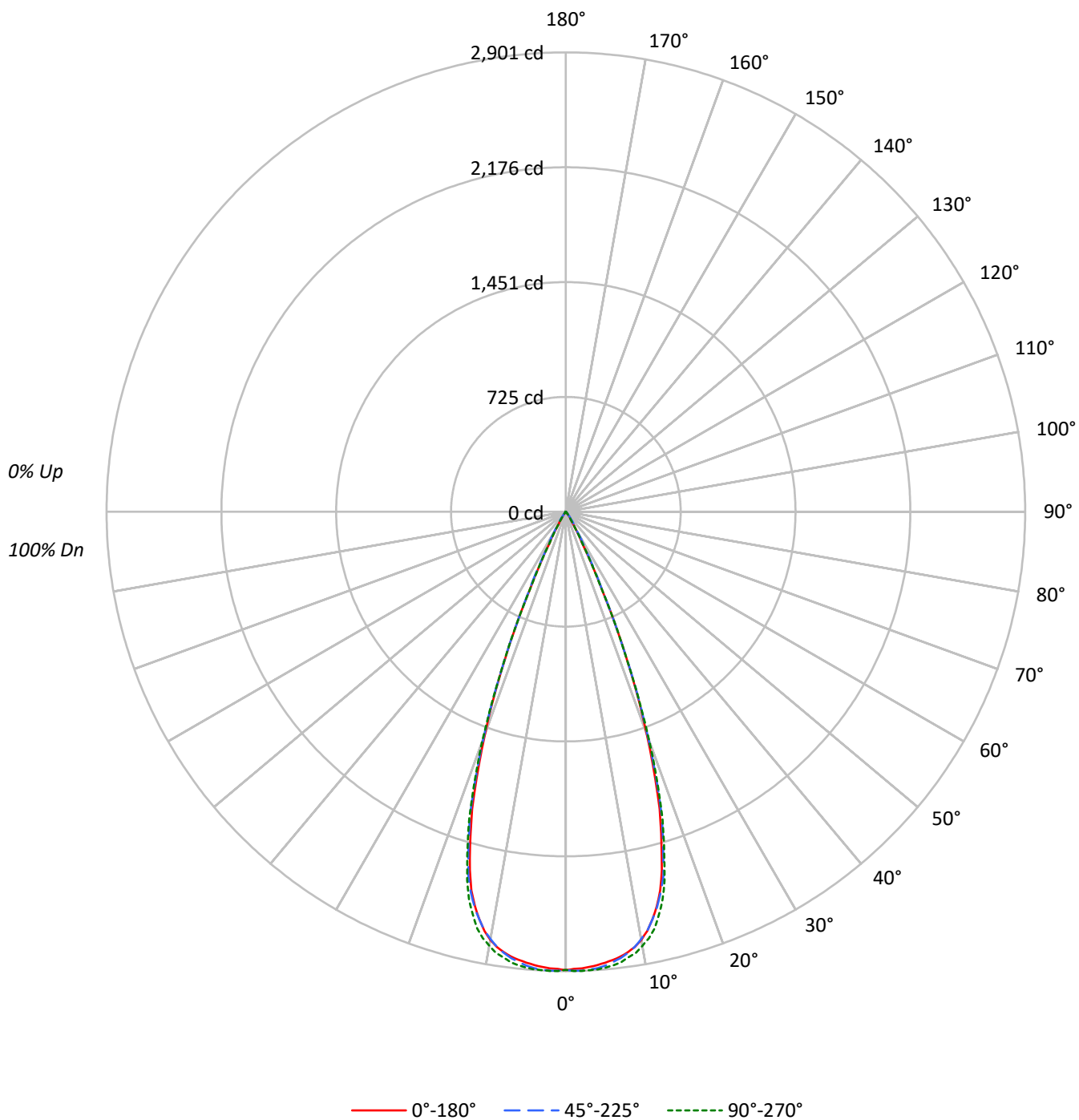
Lumens per Lamp: N/A
Luminaire Lumens: 1217.0 lumens
Efficiency: N/A
Efficacy: 83.4 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	498430	498430	498430
5°	494110	497222	499590
10°	480027	479135	486637
15°	417610	424331	429520
20°	274070	279422	283032
25°	97712	103413	97218
30°	21299	28796	21477
35°	6854	11900	6665
40°	2113	3665	1933
45°	219	1242	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: 1242 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.6	22.2
10°-20°	630.3	51.8
20°-30°	282.7	23.2
30°-40°	30.5	2.5
40°-50°	2.8	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°	1183.6	97.3
0°-40°	1214.2	99.8
0°-60°	1217.0	100.0
0°-90°	1217.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1217.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2894	2894	2894	2894	2894	
5°	2858	2866	2876	2880	2890	270
15°	2342	2359	2380	2394	2409	622
25°	514	530	544	554	512	274
35°	33	38	57	37	32	25
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°	2894.1	2894.1	2894.1	2894.1	2894.1
1°	2888.1	2894.1	2899.2	2894.9	2900.9
2°	2885.5	2892.3	2900.1	2895.8	2900.9
3°	2878.6	2887.2	2895.8	2893.2	2898.3
4°	2869.2	2876.1	2888.9	2888.9	2896.6
5°	2858.1	2865.8	2876.1	2880.3	2889.8
6°	2846.1	2850.4	2858.1	2866.6	2879.5
7°	2830.6	2830.6	2840.1	2848.6	2865.8
8°	2809.2	2807.5	2814.4	2825.5	2840.9
9°	2782.7	2776.7	2781.8	2798.1	2821.2
10°	2744.9	2739.8	2739.8	2760.4	2782.7
11°	2696.1	2694.4	2695.2	2714.9	2744.9
12°	2630.1	2631.8	2631.8	2654.1	2691.0
13°	2555.5	2554.7	2562.4	2587.3	2612.1
14°	2464.7	2469.8	2477.6	2499.8	2525.6
15°	2342.2	2359.3	2379.9	2393.6	2409.0
17.5°	1969.4	1986.5	2014.8	2025.9	2029.4
20°	1495.4	1520.3	1524.6	1546.9	1544.3
22.5°	1002.7	1001.0	1004.4	1007.0	1007.8
25°	514.2	529.6	544.2	553.6	511.6
27.5°	223.7	250.2	269.1	244.2	226.2
30°	107.1	121.7	144.8	122.5	108.0
32.5°	58.3	67.7	91.7	66.8	57.4
35°	32.6	37.7	56.6	36.9	31.7
37.5°	18.9	20.6	30.9	20.6	18.0
40°	9.4	12.0	16.3	12.0	8.6
42.5°	3.4	6.0	8.6	6.0	3.4
45°	0.9	1.7	5.1	1.7	0.9
47.5°	0.0	0.0	2.6	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)