

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: P1307190

Luminaire Tested: LDSQA3D13R409024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307190
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R409024DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

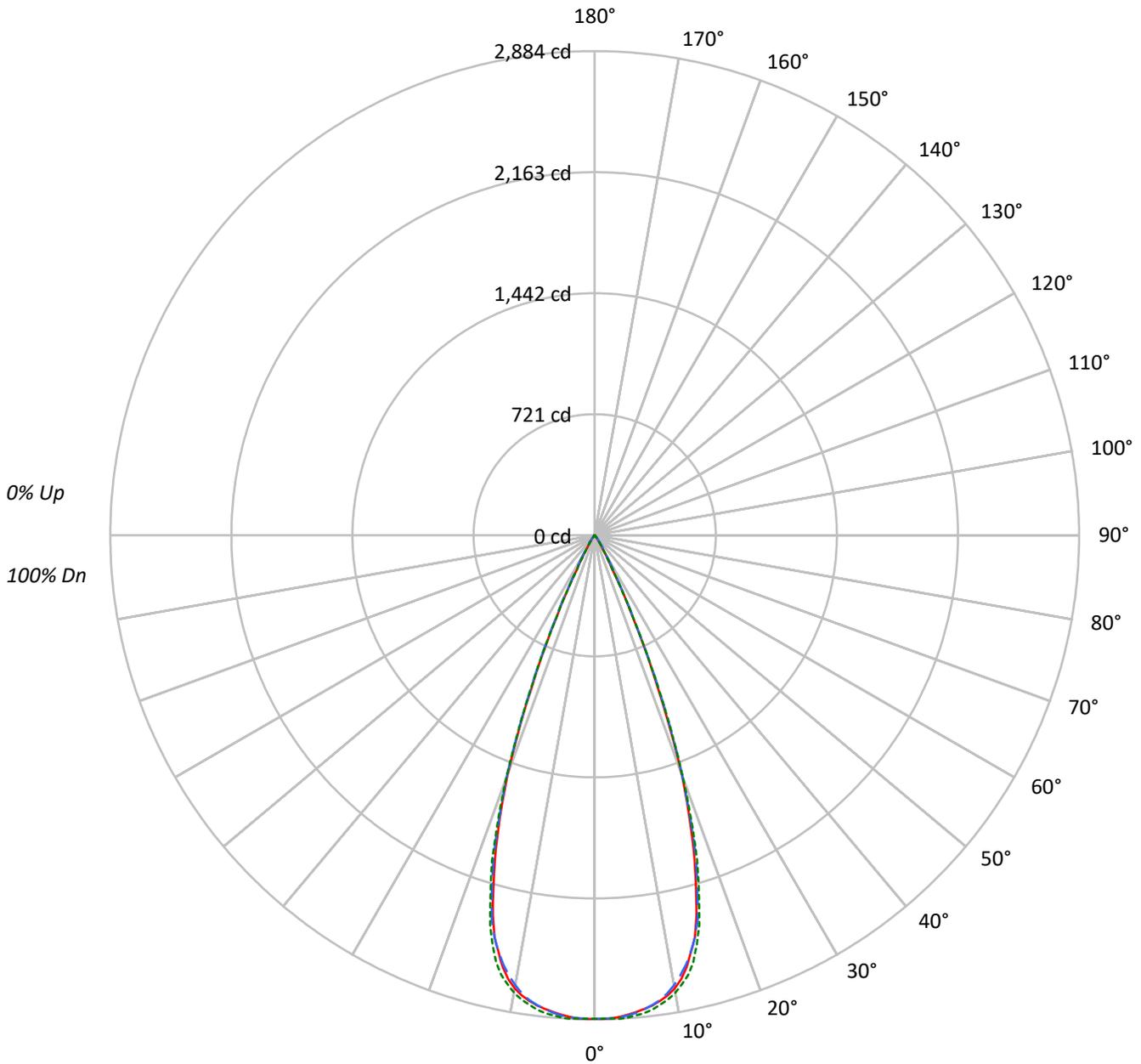
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1219.1 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 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 (A_{in}): 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



0% Up
100% Dn

— 0°-180° - - 45°-225° - - - 90°-270°



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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	102	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	69	75	72	69	75	71	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	496036	496036	496036
5°	492744	493487	496167
10°	479415	475812	483752
15°	417717	421996	428557
20°	278231	279642	282318
25°	101151	104249	101645
30°	21477	28816	21477
35°	7569	12804	7211
40°	2698	4047	2698
45°	633	1681	633
50°	455	697	455
55°	510	510	510
60°	586	586	586
65°	367	693	367
70°	453	453	453
75°	599	599	599
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 1681 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.1	22.1
10°-20°	627.2	51.4
20°-30°	282.3	23.2
30°-40°	32.1	2.6
40°-50°	4.6	0.4
50°-60°	1.5	0.1
60°-70°	1.3	0.1
70°-80°	0.8	0.1
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°	1178.6	96.7
0°-40°	1210.7	99.3
0°-60°	1216.9	99.8
0°-90°	1219.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1219.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2880	2880	2880	2880	2880	
5°	2850	2847	2854	2867	2870	269
15°	2343	2349	2367	2386	2404	622
25°	532	536	549	549	535	276
35°	36	40	61	39	34	27
45°	3	4	7	4	3	3
55°	2	2	2	2	2	2
65°	1	2	2	2	1	1
75°	1	1	1	1	1	1
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°	2880.2	2880.2	2880.2	2880.2	2880.2
1°	2882.0	2879.4	2878.5	2883.7	2879.4
2°	2879.4	2877.7	2878.5	2883.7	2880.2
3°	2871.7	2872.5	2875.1	2884.5	2883.7
4°	2862.2	2861.4	2866.5	2878.5	2878.5
5°	2850.2	2846.8	2854.5	2867.4	2870.0
6°	2836.5	2832.2	2838.2	2854.5	2860.5
7°	2821.1	2812.5	2817.7	2837.4	2845.1
8°	2800.5	2789.4	2795.4	2815.1	2821.1
9°	2774.8	2757.7	2762.8	2786.8	2798.8
10°	2741.4	2719.9	2720.8	2747.4	2766.2
11°	2694.2	2670.2	2671.1	2704.5	2724.2
12°	2631.7	2610.2	2614.5	2645.4	2677.1
13°	2546.8	2540.8	2545.9	2579.4	2608.5
14°	2464.5	2458.5	2467.9	2498.8	2512.5
15°	2342.8	2348.8	2366.8	2385.6	2403.6
17.5°	1957.0	1980.2	2001.6	2014.5	2029.9
20°	1518.1	1491.6	1525.8	1510.4	1540.4
22.5°	979.8	999.5	1008.1	999.5	1002.9
25°	532.3	535.8	548.6	548.6	534.9
27.5°	226.3	244.3	260.6	254.6	226.3
30°	108.0	124.3	144.9	125.2	108.0
32.5°	60.9	72.0	93.4	70.3	59.1
35°	36.0	40.3	60.9	38.6	34.3
37.5°	21.4	22.3	33.4	23.1	20.6
40°	12.0	14.6	18.0	14.6	12.0
42.5°	6.0	8.6	11.1	8.6	6.0
45°	2.6	4.3	6.9	4.3	2.6
47.5°	2.6	2.6	4.3	2.6	2.6
50°	1.7	1.7	2.6	1.7	1.7
52.5°	1.7	1.7	1.7	1.7	1.7
55°	1.7	1.7	1.7	1.7	1.7
57.5°	1.7	1.7	1.7	1.7	1.7
60°	1.7	1.7	1.7	1.7	1.7
62.5°	1.7	1.7	1.7	1.7	1.7
65°	0.9	1.7	1.7	1.7	0.9
67.5°	0.9	0.9	0.9	0.9	0.9
70°	0.9	0.9	0.9	0.9	0.9
72.5°	0.9	0.9	0.9	0.9	0.9
75°	0.9	0.9	0.9	0.9	0.9
77.5°	0.9	0.9	0.9	0.9	0.9
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)