

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: P1307365

Luminaire Tested: LDSQA3D17R509024DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307365
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R509024DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 2400K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

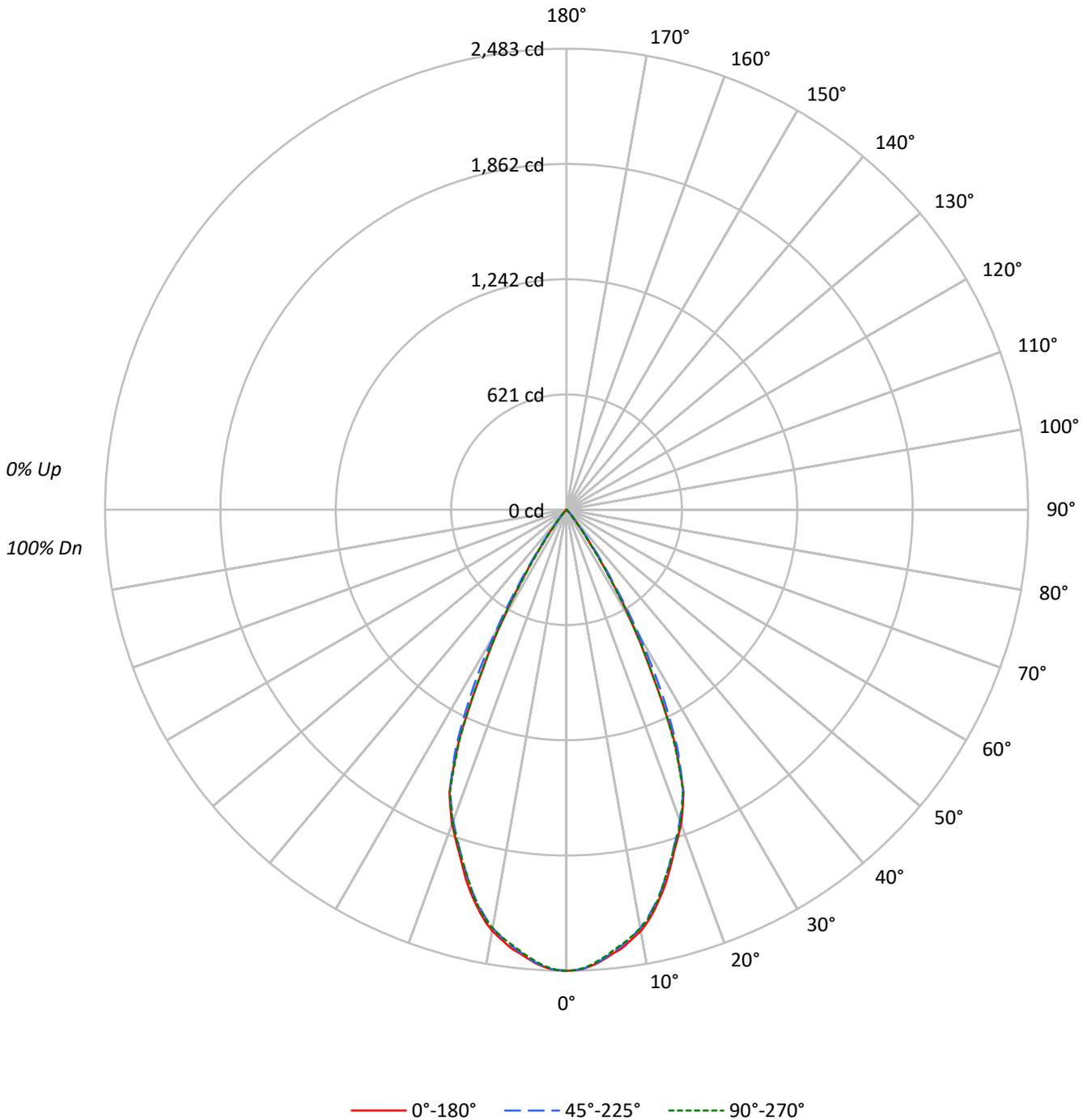
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1600.0 lumens
Efficiency: N/A
Efficacy: 75.5 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	80	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	427594	427594	427594
5°	419201	418423	417247
10°	402800	400019	400212
15°	369772	366331	365921
20°	330336	326799	328466
25°	259633	267196	257486
30°	138908	155612	139365
35°	45371	53003	42743
40°	11241	14051	10724
45°	1388	4969	1388
50°	911	1527	911
55°	1021	1021	1021
60°	792	792	792
65°	937	937	937
70°	554	554	554
75°	732	732	732
80°	1091	1091	1091
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 4969 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.0	14.2
10°-20°	574.2	35.9
20°-30°	603.9	37.7
30°-40°	174.0	10.9
40°-50°	14.1	0.9
50°-60°	3.0	0.2
60°-70°	2.2	0.1
70°-80°	1.2	0.1
80°-90°	0.3	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°	1405.1	87.8
0°-40°	1579.1	98.7
0°-60°	1596.3	99.8
0°-90°	1600.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1600.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2483	2483	2483	2483	2483	
5°	2425	2424	2420	2423	2414	228
15°	2074	2060	2055	2055	2052	578
25°	1366	1400	1406	1390	1355	592
35°	216	224	252	216	203	167
45°	6	11	20	11	6	11
55°	3	3	3	3	3	3
65°	2	2	2	2	2	2
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°	2482.8	2482.8	2482.8	2482.8	2482.8
1°	2481.6	2483.9	2479.4	2487.3	2480.5
2°	2475.9	2477.1	2474.8	2480.5	2471.4
3°	2462.3	2464.6	2460.0	2464.6	2456.6
4°	2446.4	2446.4	2441.9	2445.3	2435.1
5°	2424.8	2423.7	2420.3	2422.6	2413.5
6°	2402.1	2401.0	2395.3	2395.3	2388.5
7°	2385.1	2377.1	2372.6	2371.5	2364.6
8°	2357.8	2355.6	2346.5	2346.5	2341.9
9°	2330.6	2328.3	2318.1	2320.3	2316.9
10°	2303.3	2295.4	2287.4	2288.5	2288.5
11°	2267.0	2260.2	2248.8	2253.3	2255.6
12°	2223.8	2215.9	2205.6	2214.7	2213.6
13°	2176.1	2169.3	2161.3	2168.2	2165.9
14°	2126.1	2115.9	2109.1	2113.6	2111.4
15°	2073.9	2060.3	2054.6	2054.6	2052.3
17.5°	1927.4	1919.4	1913.7	1910.3	1918.3
20°	1802.4	1795.6	1783.1	1786.5	1792.2
22.5°	1645.7	1644.6	1637.8	1632.1	1638.9
25°	1366.3	1400.4	1406.1	1390.2	1355.0
27.5°	992.7	1072.2	1100.5	1063.1	998.3
30°	698.5	736.0	782.5	708.7	700.8
32.5°	421.4	431.6	474.7	423.6	412.3
35°	215.8	223.7	252.1	215.8	203.3
37.5°	101.1	105.6	117.0	101.1	94.3
40°	50.0	55.7	62.5	52.2	47.7
42.5°	21.6	28.4	36.3	27.3	19.3
45°	5.7	11.4	20.4	11.4	5.7
47.5°	3.4	4.5	11.4	4.5	3.4
50°	3.4	3.4	5.7	3.4	3.4
52.5°	3.4	3.4	3.4	3.4	3.4
55°	3.4	3.4	3.4	3.4	3.4
57.5°	3.4	3.4	3.4	3.4	3.4
60°	2.3	3.4	2.3	3.4	2.3
62.5°	2.3	2.3	2.3	2.3	2.3
65°	2.3	2.3	2.3	2.3	2.3
67.5°	2.3	2.3	2.3	2.3	2.3
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
80°	1.1	1.1	1.1	1.1	1.1
82.5°	0.0	1.1	0.0	1.1	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)