

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: P1323954

Luminaire Tested: LDSQA3D13R509030D2WDE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323954
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R509030D2WDE010 3LSQCDR1MB
Description: 3in Adjustable Dim to Warm LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

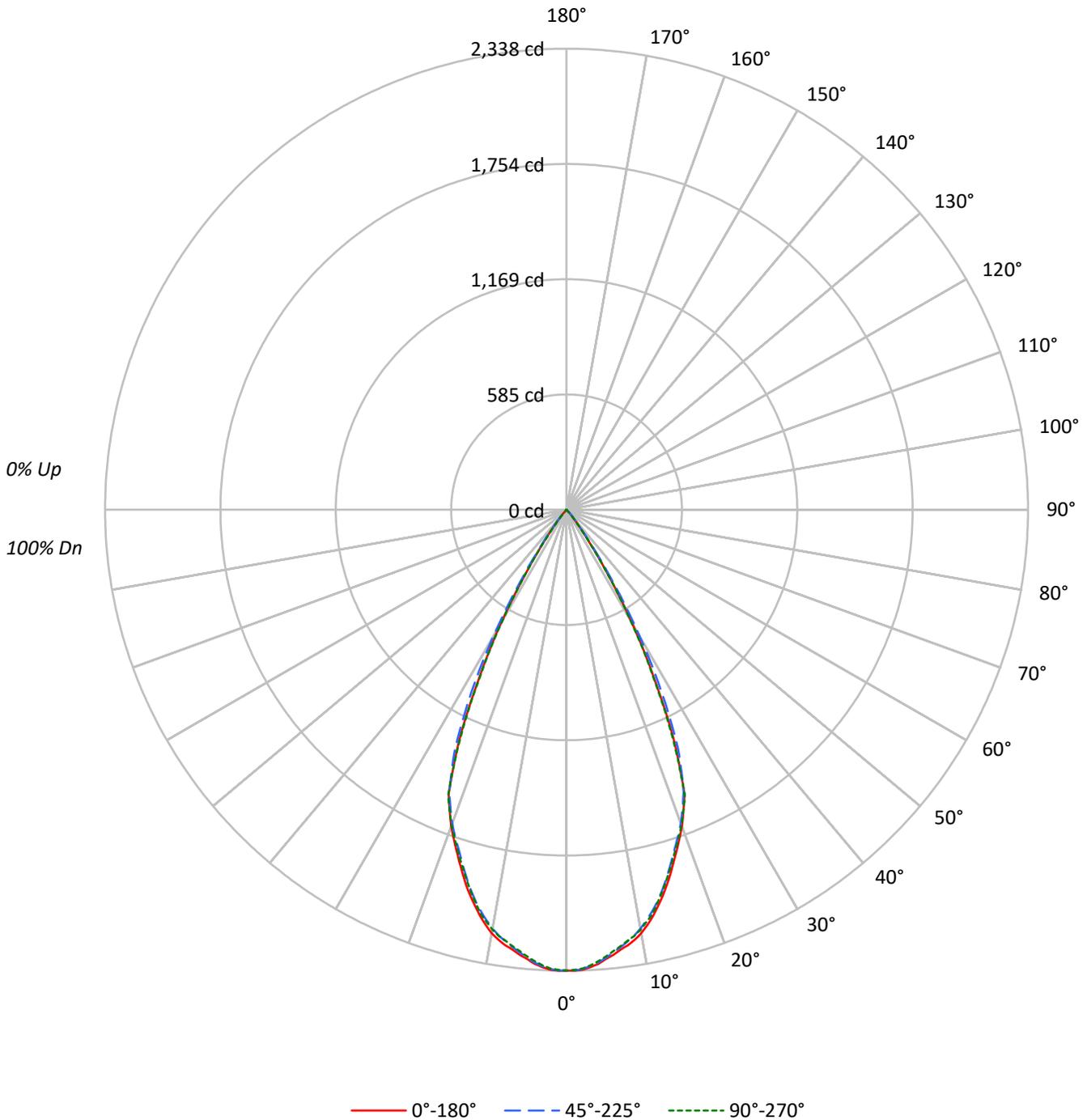
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1505.0 lumens
Efficiency: N/A
Efficacy: 74.9 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): 20.1
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	0
RW	70	50	30	10	70	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	100
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	402502	402502	402502
5°	395481	394375	393251
10°	381412	377285	378037
15°	350873	346451	347414
20°	313309	310359	312137
25°	243842	254066	241182
30°	132087	147499	129740
35°	41650	49576	40745
40°	9195	12837	8723
45°	268	3921	268
50°	0	589	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: 3921 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.1	14.2
10°-20°	544.0	36.1
20°-30°	573.0	38.1
30°-40°	163.7	10.9
40°-50°	10.1	0.7
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°	1331.2	88.4
0°-40°	1494.8	99.3
0°-60°	1505.0	100.0
0°-90°	1505.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1505.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2337	2337	2337	2337	2337	
5°	2288	2286	2281	2279	2275	215
15°	1968	1955	1943	1946	1948	548
25°	1283	1331	1337	1322	1269	561
35°	198	212	236	200	194	155
45°	1	5	16	5	1	6
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2337.1	2337.1	2337.1	2337.1	2337.1
1°	2338.2	2339.3	2337.1	2339.3	2333.9
2°	2335.0	2332.8	2330.7	2331.8	2328.5
3°	2323.1	2322.1	2317.8	2318.8	2314.5
4°	2308.1	2304.8	2301.6	2299.5	2295.1
5°	2287.6	2285.5	2281.2	2279.0	2274.7
6°	2270.4	2266.1	2258.5	2256.4	2252.1
7°	2247.8	2245.6	2235.9	2233.8	2231.6
8°	2230.6	2224.1	2212.3	2213.3	2208.0
9°	2208.0	2199.3	2187.5	2187.5	2188.6
10°	2181.0	2168.1	2157.4	2160.6	2161.7
11°	2145.5	2136.9	2120.8	2128.3	2128.3
12°	2106.8	2096.0	2084.2	2090.6	2094.9
13°	2061.5	2052.9	2042.2	2048.6	2046.5
14°	2017.4	2001.3	1993.7	2002.3	1999.1
15°	1967.9	1955.0	1943.1	1946.4	1948.5
17.5°	1835.5	1821.5	1812.9	1813.9	1823.6
20°	1709.5	1704.1	1693.4	1697.7	1703.1
22.5°	1561.0	1563.1	1550.2	1553.4	1566.3
25°	1283.2	1330.6	1337.0	1322.0	1269.2
27.5°	950.6	1021.6	1043.2	1008.7	944.1
30°	664.2	683.6	741.7	676.1	652.4
32.5°	389.7	418.8	450.0	404.8	388.6
35°	198.1	212.1	235.8	200.2	193.8
37.5°	91.5	98.0	107.7	91.5	86.1
40°	40.9	48.4	57.1	46.3	38.8
42.5°	12.9	22.6	30.1	20.5	11.8
45°	1.1	5.4	16.1	5.4	1.1
47.5°	0.0	1.1	6.5	1.1	0.0
50°	0.0	0.0	2.2	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)