

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: P1313873

Luminaire Tested: LDSQA3D17R509727DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313873
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: LDSQA3D17R509727DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

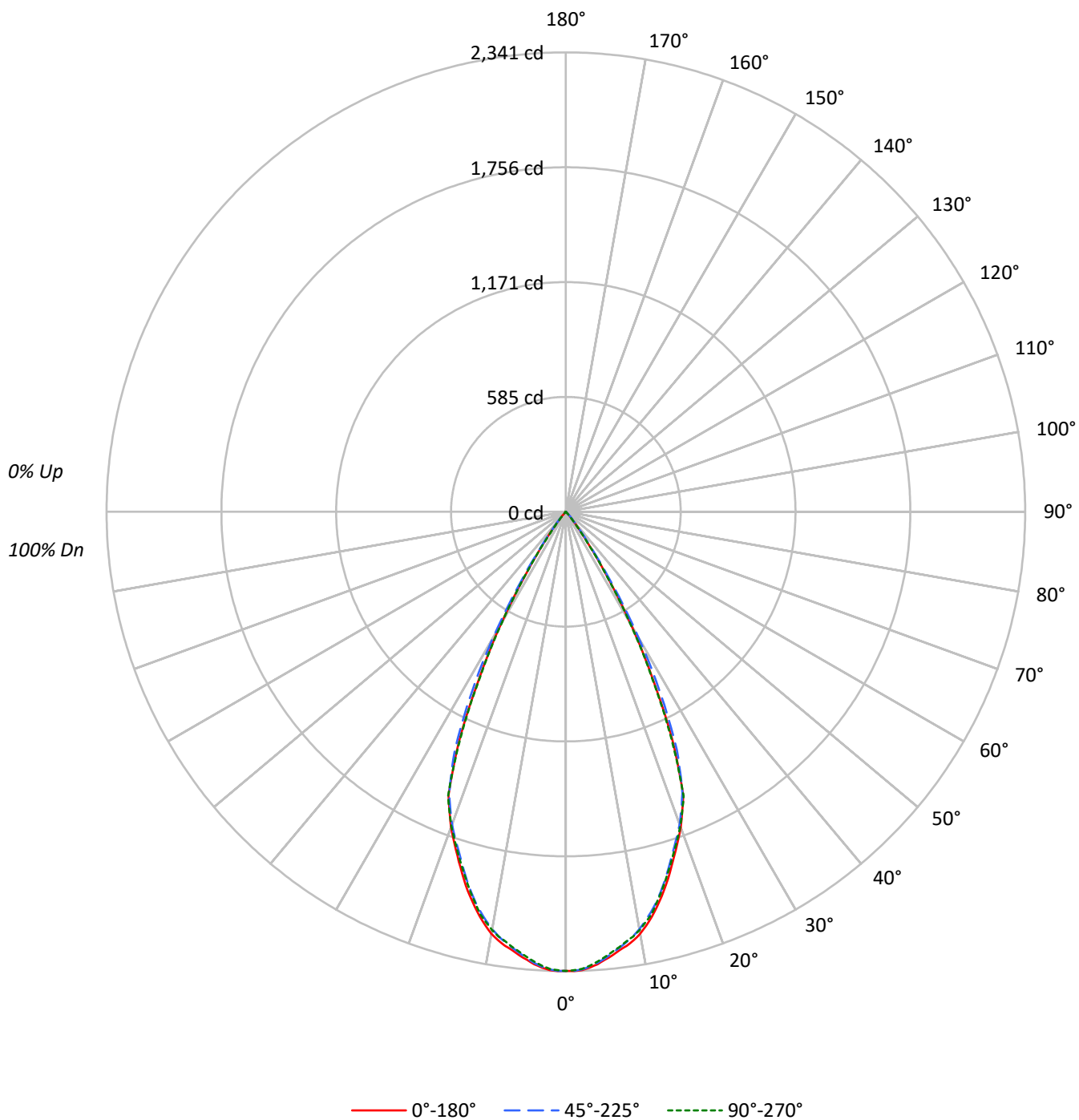
Lumens per Lamp: N/A
Luminaire Lumens: 1507.0 lumens
Efficiency: N/A
Efficacy: 71.1 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
Input Voltage (V): NR
Input Current (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	109	107	112	110	108	106	106	104	102		102	101	99		98
2	109	105	101	98	107	103	100	97	100	98	95		97	95	93		95
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		91
4	100	94	89	85	99	93	88	85	90	87	84		89	85	83		87
5	96	89	84	80	95	88	83	79	86	82	79		85	81	78		83
6	92	84	79	75	91	83	79	75	82	78	74		81	77	74		79
7	88	80	75	71	87	79	74	71	78	74	70		77	73	70		76
8	85	76	71	67	83	76	71	67	75	70	67		74	70	67		73
9	81	73	67	64	80	72	67	64	71	67	64		70	66	63		70
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	403035	403035	403035
5°	396017	394894	393770
10°	381919	377775	378527
15°	351336	346914	347877
20°	313731	310762	312540
25°	244165	254408	241505
30°	132265	147697	129899
35°	41692	49639	40788
40°	9218	12837	8723
45°	268	3946	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: 3946 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.4	14.2
10°-20°	544.8	36.1
20°-30°	573.8	38.1
30°-40°	163.9	10.9
40°-50°	10.2	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°	1332.9	88.4
0°-40°	1496.8	99.3
0°-60°	1507.0	100.0
0°-90°	1507.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1507.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2340	2340	2340	2340	2340	
5°	2291	2288	2284	2282	2278	215
15°	1970	1958	1946	1949	1951	549
25°	1285	1332	1339	1324	1271	562
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2340.2	2340.2	2340.2	2340.2	2340.2
1°	2341.3	2342.4	2340.2	2342.4	2337.0
2°	2338.1	2335.9	2333.8	2334.8	2331.6
3°	2326.2	2325.1	2320.8	2321.9	2317.6
4°	2311.1	2307.9	2304.7	2302.5	2298.2
5°	2290.7	2288.5	2284.2	2282.0	2277.7
6°	2273.4	2269.1	2261.5	2259.4	2255.1
7°	2250.8	2248.6	2238.9	2236.8	2234.6
8°	2233.5	2227.1	2215.2	2216.3	2210.9
9°	2210.9	2202.3	2190.4	2190.4	2191.5
10°	2183.9	2171.0	2160.2	2163.5	2164.5
11°	2148.4	2139.7	2123.6	2131.1	2131.1
12°	2109.6	2098.8	2086.9	2093.4	2097.7
13°	2064.3	2055.7	2044.9	2051.3	2049.2
14°	2020.1	2003.9	1996.4	2005.0	2001.8
15°	1970.5	1957.6	1945.7	1948.9	1951.1
17.5°	1837.9	1823.9	1815.3	1816.4	1826.1
20°	1711.8	1706.4	1695.6	1699.9	1705.3
22.5°	1563.0	1565.2	1552.3	1555.5	1568.4
25°	1284.9	1332.4	1338.8	1323.7	1270.9
27.5°	951.8	1023.0	1044.5	1010.0	945.4
30°	665.1	684.5	742.7	677.0	653.2
32.5°	390.2	419.3	450.6	405.3	389.1
35°	198.3	212.4	236.1	200.5	194.0
37.5°	91.6	98.1	107.8	91.6	86.2
40°	41.0	48.5	57.1	46.4	38.8
42.5°	12.9	22.6	30.2	20.5	11.9
45°	1.1	5.4	16.2	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)