

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: P1311533

Luminaire Tested: LDSQA3D13R509040DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1311533
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: LDSQA3D13R509040DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

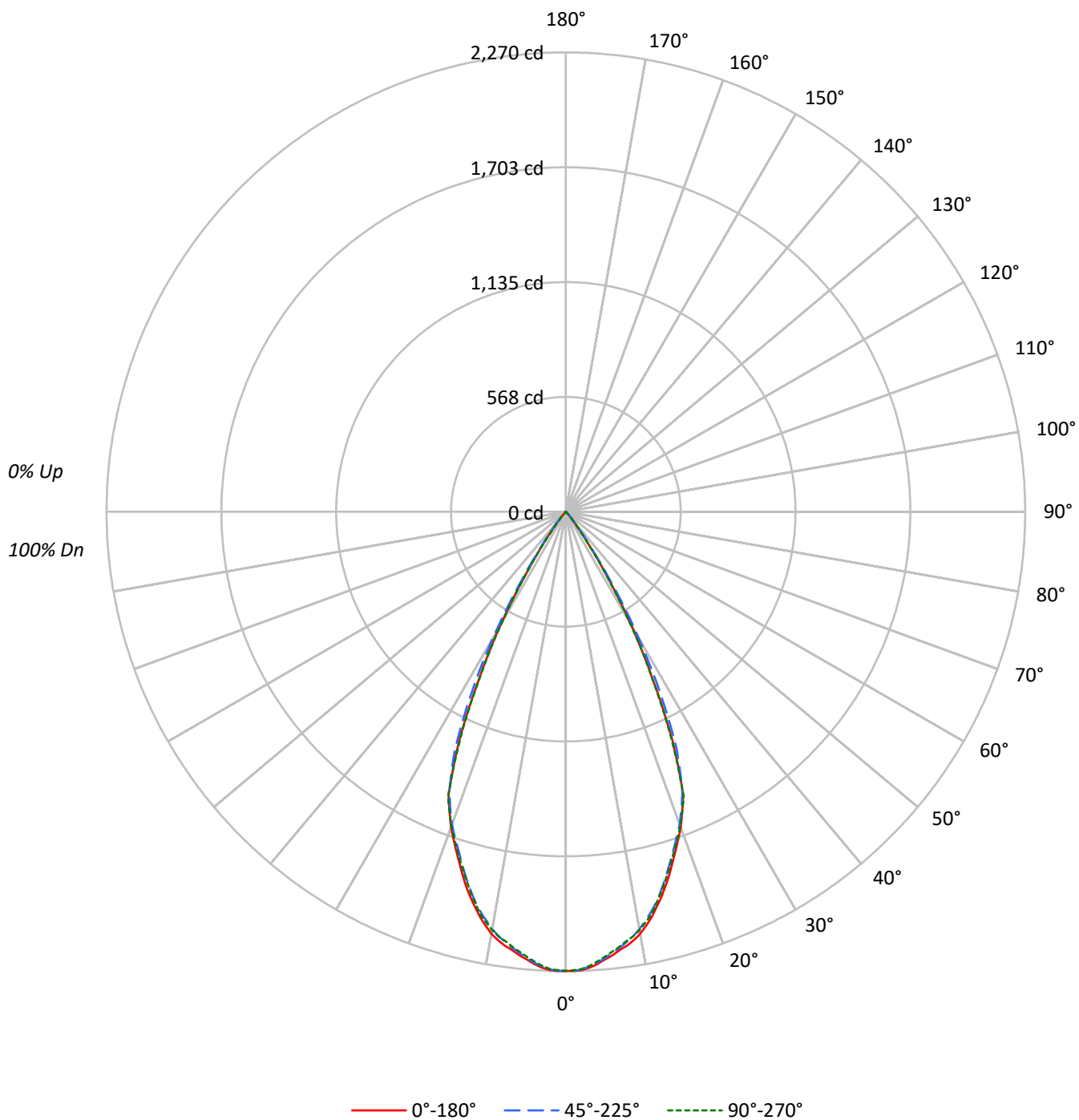
Lumens per Lamp: N/A
Luminaire Lumens: 1461.0 lumens
Efficiency: N/A
Efficacy: 100.1 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1311533

CATALOG NUMBER: LDSQA3D13R509040DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1311533

CATALOG NUMBER: LDSQA3D13R509040DE010 3LSQCDR1MMS

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	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	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	390739	390739	390739
5°	383916	382844	381755
10°	370272	366250	366985
15°	340620	336324	337251
20°	304146	301287	303009
25°	236716	246655	234132
30°	128229	143183	125942
35°	40430	48125	39547
40°	8925	12455	8453
45°	244	3824	244
50°	0	563	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: 3824 cd/sqm

TEST NUMBER: P1311533

CATALOG NUMBER: LDSQA3D13R509040DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.9	14.2
10°-20°	528.1	36.1
20°-30°	556.3	38.1
30°-40°	158.9	10.9
40°-50°	9.8	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°	1292.2	88.4
0°-40°	1451.1	99.3
0°-60°	1461.0	100.0
0°-90°	1461.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1461.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2269	2269	2269	2269	2269	
5°	2221	2219	2214	2212	2208	209
15°	1910	1898	1886	1890	1892	532
25°	1246	1292	1298	1283	1232	545
35°	192	206	229	194	188	150
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	

TEST NUMBER: P1311533

CATALOG NUMBER: LDSQA3D13R509040DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2268.8	2268.8	2268.8	2268.8	2268.8
1°	2269.9	2270.9	2268.8	2270.9	2265.7
2°	2266.7	2264.6	2262.5	2263.6	2260.4
3°	2255.2	2254.2	2250.0	2251.0	2246.9
4°	2240.6	2237.5	2234.3	2232.2	2228.0
5°	2220.7	2218.6	2214.5	2212.4	2208.2
6°	2204.0	2199.8	2192.5	2190.4	2186.2
7°	2182.1	2180.0	2170.6	2168.5	2166.4
8°	2165.3	2159.1	2147.6	2148.6	2143.4
9°	2143.4	2135.0	2123.5	2123.5	2124.6
10°	2117.3	2104.7	2094.3	2097.4	2098.5
11°	2082.8	2074.4	2058.7	2066.1	2066.1
12°	2045.2	2034.7	2023.2	2029.5	2033.7
13°	2001.3	1992.9	1982.5	1988.7	1986.6
14°	1958.4	1942.7	1935.4	1943.8	1940.7
15°	1910.4	1897.8	1886.3	1889.5	1891.5
17.5°	1781.8	1768.2	1759.9	1760.9	1770.3
20°	1659.5	1654.3	1643.9	1648.0	1653.3
22.5°	1515.3	1517.4	1504.9	1508.0	1520.5
25°	1245.7	1291.7	1298.0	1283.3	1232.1
27.5°	922.8	991.8	1012.7	979.2	916.5
30°	644.8	663.6	720.0	656.3	633.3
32.5°	378.3	406.5	436.8	392.9	377.3
35°	192.3	205.9	228.9	194.4	188.1
37.5°	88.8	95.1	104.5	88.8	83.6
40°	39.7	47.0	55.4	44.9	37.6
42.5°	12.5	21.9	29.3	19.9	11.5
45°	1.0	5.2	15.7	5.2	1.0
47.5°	0.0	1.0	6.3	1.0	0.0
50°	0.0	0.0	2.1	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



TEST NUMBER: P1311533

CATALOG NUMBER: LDSQA3D13R509040DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)