

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: P1315579

Luminaire Tested: LDSQA3D13R159735DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315579
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R159735DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

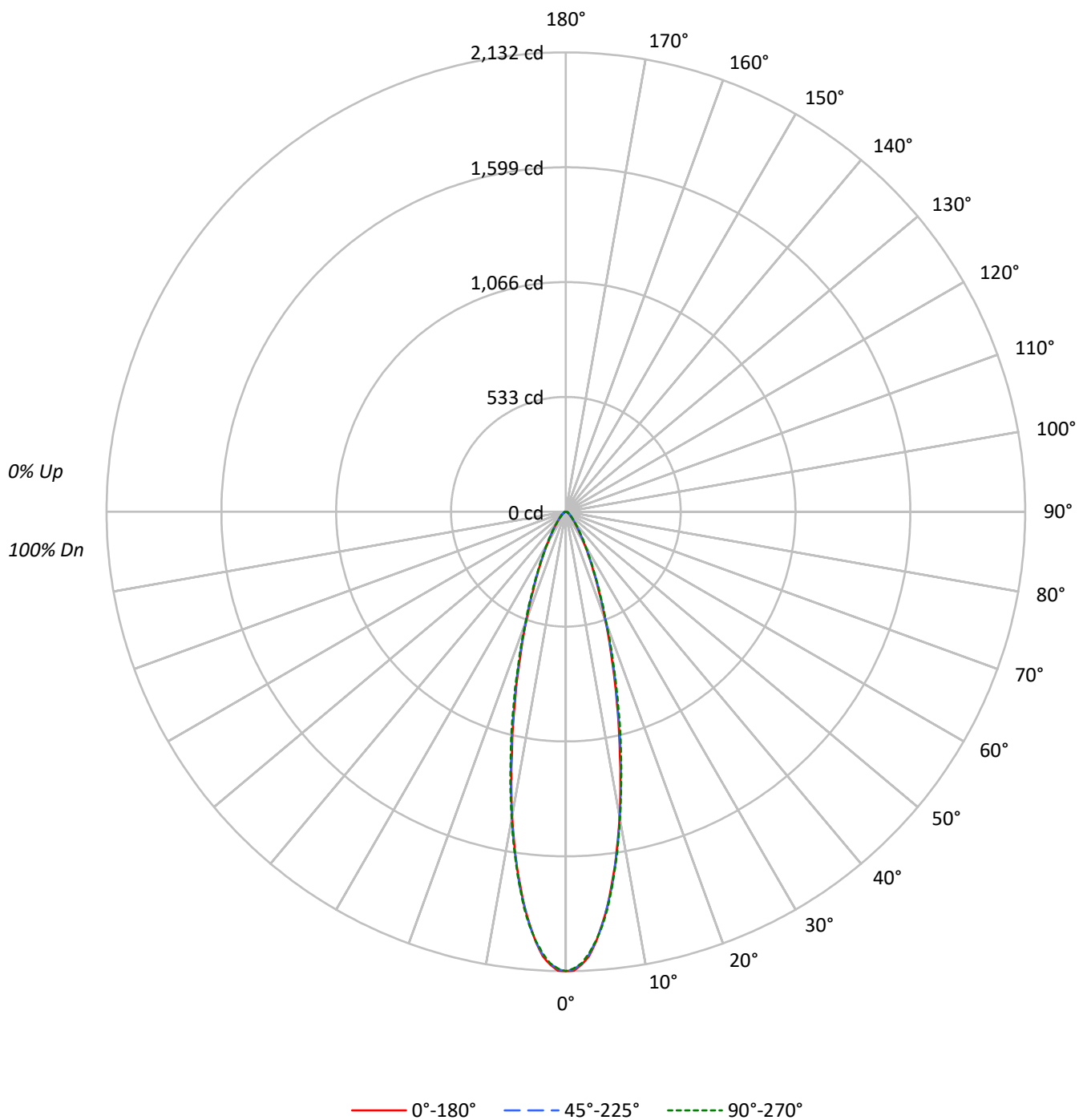
Lumens per Lamp: N/A
Luminaire Lumens: 705.0 lumens
Efficiency: N/A
Efficacy: 48.3 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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: P1315579

CATALOG NUMBER: LDSQA3D13R159735DE010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1315579

CATALOG NUMBER: LDSQA3D13R159735DE010 3LSQPHRL1MW

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	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	367161	367161	367161
5°	332570	333193	333659
10°	251074	251721	252981
15°	162857	164640	167868
20°	98052	99207	100545
25°	57274	58490	59345
30°	33668	34742	35279
35°	20751	21508	21887
40°	13647	14051	14254
45°	9474	9694	9913
50°	7047	7288	7529
55°	5705	5975	5975
60°	4994	4994	4994
65°	4442	4442	4442
70°	3626	4079	4079
75°	3593	3593	3593
80°	2678	3570	3570
85°	1778	1778	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 9913 cd/sqm

TEST NUMBER: P1315579

CATALOG NUMBER: LDSQA3D13R159735DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.9	23.8
10°-20°	256.8	36.4
20°-30°	145.9	20.7
30°-40°	66.6	9.4
40°-50°	31.9	4.5
50°-60°	17.9	2.5
60°-70°	10.9	1.6
70°-80°	5.8	0.8
80°-90°	1.2	0.2
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°	570.6	80.9
0°-40°	637.2	90.4
0°-60°	687.0	97.5
0°-90°	705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	705.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2132	2132	2132	2132	2132	
5°	1924	1923	1927	1927	1930	168
15°	913	918	923	936	942	253
25°	301	301	308	310	312	143
35°	99	100	102	104	104	65
45°	39	39	40	41	41	31
55°	19	19	20	20	20	17
65°	11	11	11	11	11	11
75°	5	5	5	5	5	6
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1315579

CATALOG NUMBER: LDSQA3D13R159735DE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2131.9	2131.9	2131.9	2131.9	2131.9
1°	2130.1	2124.6	2122.8	2121.9	2120.1
2°	2102.9	2098.4	2097.5	2097.5	2096.6
3°	2064.9	2056.7	2057.6	2054.9	2052.2
4°	2000.6	1997.0	1998.8	2000.6	1997.0
5°	1923.7	1922.8	1927.3	1927.3	1930.0
6°	1844.0	1843.1	1840.4	1847.6	1851.2
7°	1742.6	1748.0	1755.3	1751.7	1754.4
8°	1650.3	1643.9	1646.7	1655.7	1656.6
9°	1541.6	1537.1	1548.9	1552.5	1553.4
10°	1435.7	1440.3	1439.4	1452.0	1446.6
12.5°	1159.6	1166.9	1175.0	1180.5	1185.9
15°	913.4	917.9	923.4	936.0	941.5
17.5°	702.5	707.9	713.3	724.2	726.0
20°	535.0	537.7	541.3	551.3	548.6
22.5°	400.1	404.6	408.3	412.8	415.5
25°	301.4	301.4	307.8	310.5	312.3
27.5°	224.5	226.3	230.8	234.5	233.6
30°	169.3	172.0	174.7	176.5	177.4
32.5°	130.4	130.4	133.1	135.8	136.7
35°	98.7	100.5	102.3	104.1	104.1
37.5°	76.9	77.9	79.7	80.6	80.6
40°	60.7	60.7	62.5	63.4	63.4
42.5°	48.0	48.9	49.8	50.7	50.7
45°	38.9	38.9	39.8	40.7	40.7
47.5°	31.7	31.7	32.6	33.5	33.5
50°	26.3	27.2	27.2	28.1	28.1
52.5°	22.6	22.6	22.6	23.5	23.5
55°	19.0	19.0	19.9	19.9	19.9
57.5°	16.3	16.3	16.3	17.2	17.2
60°	14.5	14.5	14.5	14.5	14.5
62.5°	12.7	12.7	12.7	12.7	12.7
65°	10.9	10.9	10.9	10.9	10.9
67.5°	9.1	9.1	9.1	10.0	10.0
70°	7.2	8.1	8.1	8.1	8.1
72.5°	6.3	6.3	6.3	6.3	6.3
75°	5.4	5.4	5.4	5.4	5.4
77.5°	4.5	4.5	4.5	4.5	4.5
80°	2.7	3.6	3.6	3.6	3.6
82.5°	1.8	1.8	1.8	1.8	1.8
85°	0.9	0.9	0.9	0.9	0.9
87.5°	0.0	0.0	0.0	0.0	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)