

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: P1315593

Luminaire Tested: LDSQA3D13R209735DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315593
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R209735DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

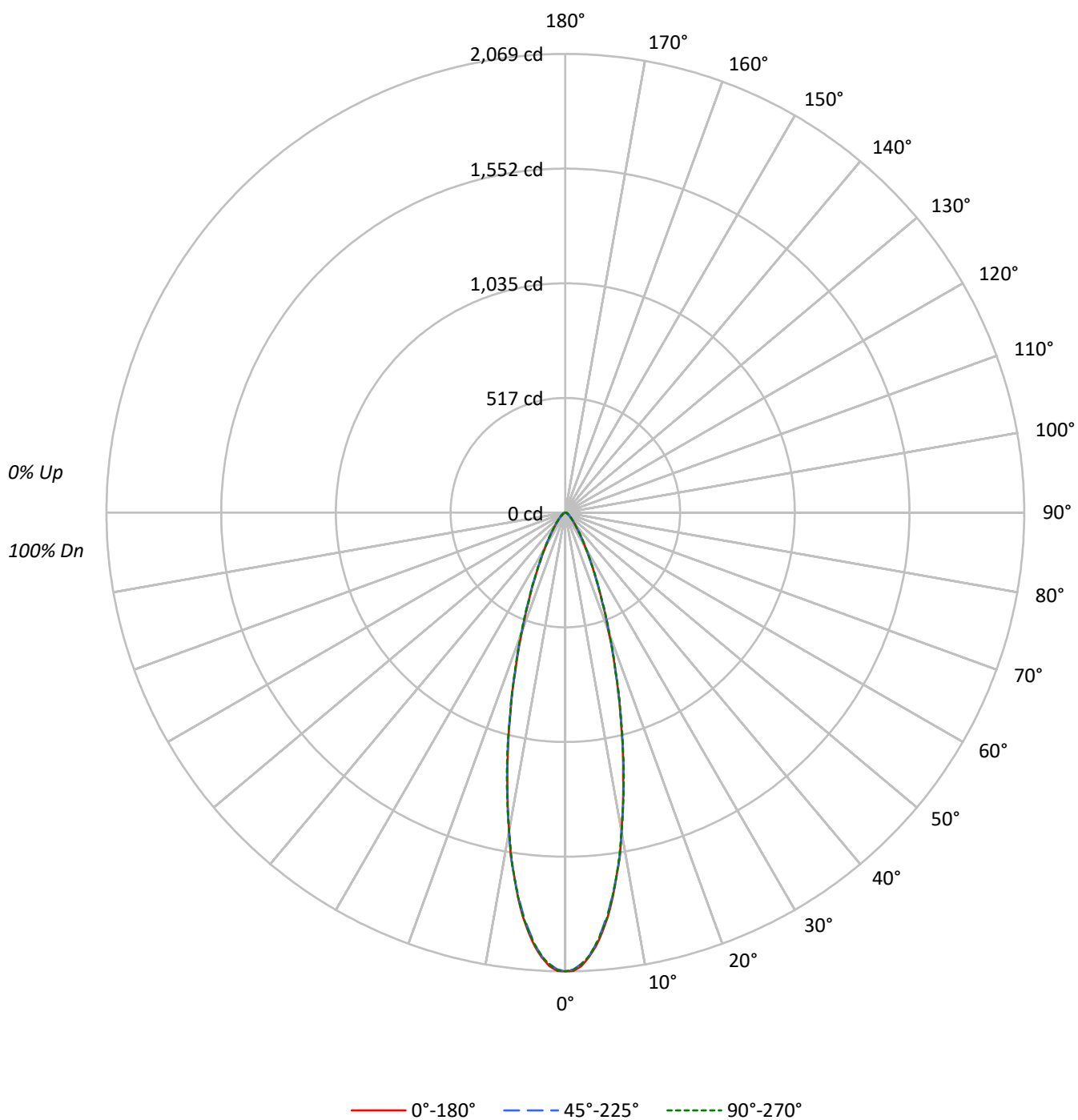
Lumens per Lamp: N/A
Luminaire Lumens: 727.0 lumens
Efficiency: N/A
Efficacy: 49.8 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	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	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	96	96	94
2	109	104	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	90	90	89
3	104	98	94	90	102	97	93	89	94	91	88	92	89	87	90	87	85	85	85	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	79
5	96	88	83	79	94	87	82	79	86	81	78	84	80	77	82	79	77	77	77	75
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	78	74	71	77	73	70	76	73	70	70	70	69
8	85	77	72	68	84	76	71	68	75	71	68	74	70	67	73	70	67	67	67	66
9	82	74	69	65	81	73	68	65	72	68	65	71	67	65	71	67	64	64	64	63
10	79	71	66	62	78	70	66	62	70	65	62	69	65	62	68	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	356277	356277	356277
5°	328680	326813	327902
10°	255062	255376	255376
15°	172396	173199	173199
20°	104705	106025	106520
25°	61417	62272	62101
30°	35836	36551	36730
35°	21887	22454	22454
40°	14254	14456	14658
45°	9913	10132	10376
50°	7288	7529	7529
55°	5705	5975	5975
60°	4994	4994	5304
65°	4442	4442	4809
70°	4079	4079	4079
75°	3593	3593	3593
80°	2678	2678	3570
85°	1778	1778	3557

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 10376 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.8	22.9
10°-20°	267.1	36.7
20°-30°	154.7	21.3
30°-40°	69.4	9.5
40°-50°	32.9	4.5
50°-60°	18.0	2.5
60°-70°	10.9	1.5
70°-80°	5.8	0.8
80°-90°	1.3	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°	588.7	81.0
0°-40°	658.0	90.5
0°-60°	708.9	97.5
0°-90°	727.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	727.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2069	2069	2069	2069	2069	
5°	1901	1895	1890	1894	1897	167
15°	967	967	971	967	971	266
25°	323	323	328	325	327	153
35°	104	105	107	108	107	68
45°	41	41	42	42	43	32
55°	19	19	20	20	20	18
65°	11	11	11	11	12	11
75°	5	5	5	5	5	6
85°	1	1	1	1	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2068.7	2068.7	2068.7	2068.7	2068.7
1°	2067.8	2062.4	2060.6	2058.8	2064.2
2°	2047.0	2040.7	2037.0	2038.9	2039.8
3°	2009.9	2006.3	2006.3	2003.5	2005.4
4°	1961.9	1954.7	1954.7	1955.6	1955.6
5°	1901.2	1894.9	1890.4	1894.0	1896.7
6°	1833.3	1825.2	1821.6	1822.5	1828.8
7°	1750.0	1739.2	1741.0	1745.5	1745.5
8°	1655.9	1655.0	1656.8	1655.0	1656.8
9°	1569.0	1556.3	1567.2	1558.1	1562.6
10°	1458.5	1457.6	1460.3	1463.0	1460.3
12.5°	1206.8	1211.4	1213.2	1209.6	1217.7
15°	966.9	966.9	971.4	966.9	971.4
17.5°	752.3	751.4	755.1	751.4	756.9
20°	571.3	577.6	578.5	578.5	581.2
22.5°	430.9	430.9	434.6	435.5	433.7
25°	323.2	323.2	327.7	325.0	326.8
27.5°	239.0	240.8	244.4	246.3	246.3
30°	180.2	181.1	183.8	184.7	184.7
32.5°	135.8	137.6	139.4	140.3	141.2
35°	104.1	105.0	106.8	107.7	106.8
37.5°	79.7	80.6	82.4	83.3	83.3
40°	63.4	63.4	64.3	65.2	65.2
42.5°	49.8	50.7	50.7	51.6	51.6
45°	40.7	40.7	41.6	41.6	42.6
47.5°	32.6	32.6	33.5	34.4	34.4
50°	27.2	27.2	28.1	28.1	28.1
52.5°	22.6	22.6	23.5	23.5	23.5
55°	19.0	19.0	19.9	19.9	19.9
57.5°	16.3	16.3	17.2	17.2	17.2
60°	14.5	14.5	14.5	14.5	15.4
62.5°	12.7	12.7	12.7	12.7	12.7
65°	10.9	10.9	10.9	10.9	11.8
67.5°	9.1	9.1	9.1	9.1	10.0
70°	8.1	8.1	8.1	8.1	8.1
72.5°	6.3	6.3	6.3	7.2	7.2
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	2.7	2.7	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	1.8
87.5°	0.0	0.0	0.0	0.9	0.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)