

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: P1327670

Luminaire Tested: LDSQA3D13R20W2N902765DE010 3LSQPHRL1MMS_3000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327670
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: LDSQA3D13R20W2N902765DE010 3LSQPHRL1MMS_3000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

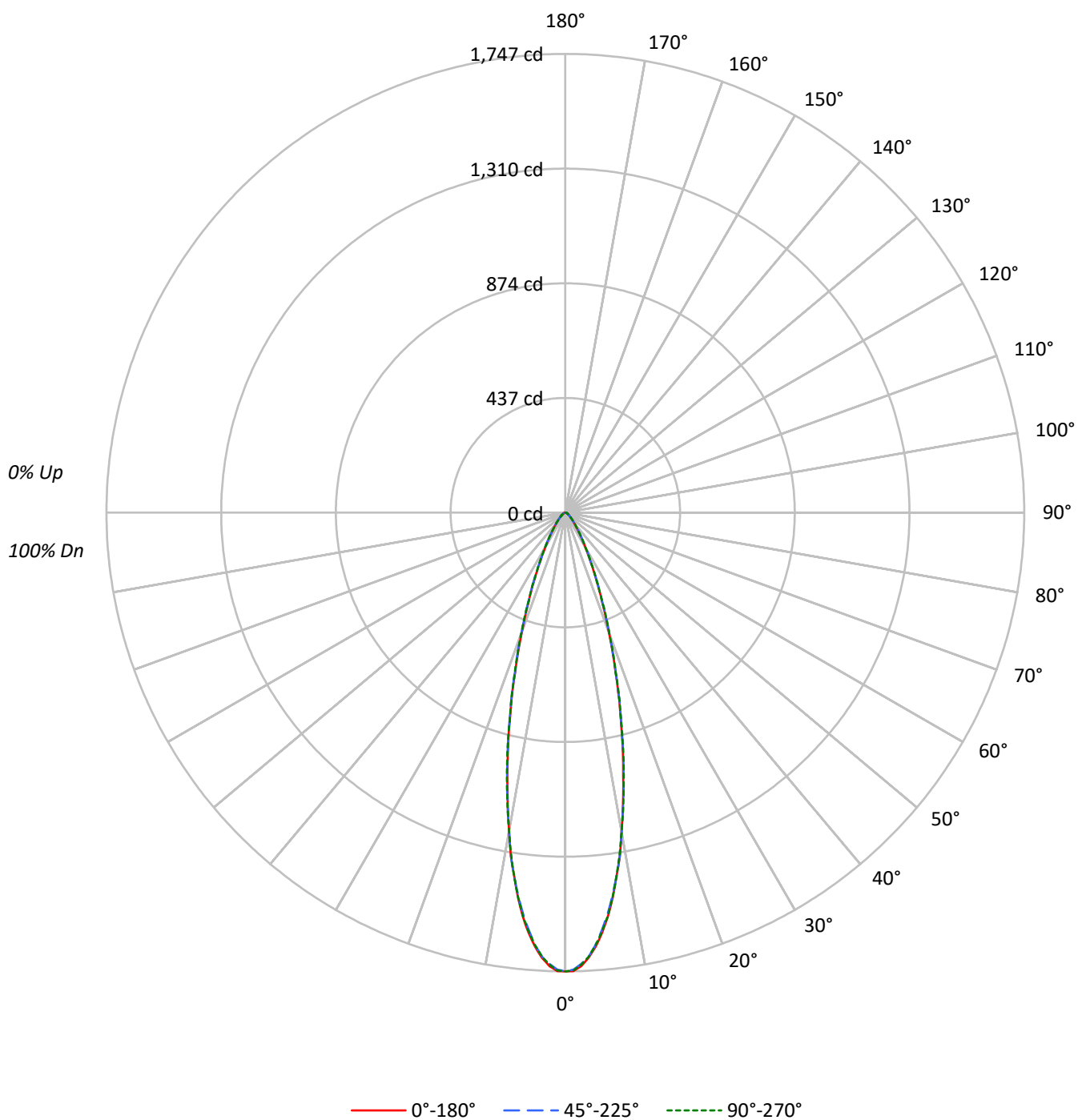
Lumens per Lamp: N/A
Luminaire Lumens: 614.0 lumens
Efficiency: N/A
Efficacy: 49.9 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 12.3
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°	300907	300907	300907
5°	277594	276004	276937
10°	215417	215679	215679
15°	145598	146276	146276
20°	88430	89548	89970
25°	51877	52599	52447
30°	30267	30864	31023
35°	18481	18964	18964
40°	12028	12208	12388
45°	8378	8573	8744
50°	6136	6350	6350
55°	4834	5044	5044
60°	4202	4202	4478
65°	3749	3749	4034
70°	3474	3474	3474
75°	3061	3061	3061
80°	2281	2281	3075
85°	1581	1581	2964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8744 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.9	22.9
10°-20°	225.6	36.7
20°-30°	130.7	21.3
30°-40°	58.6	9.5
40°-50°	27.8	4.5
50°-60°	15.2	2.5
60°-70°	9.2	1.5
70°-80°	5.0	0.8
80°-90°	1.1	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°	497.2	81.0
0°-40°	555.8	90.5
0°-60°	598.7	97.5
0°-90°	614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	614.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1747	1747	1747	1747	1747	
5°	1606	1600	1596	1600	1602	141
15°	817	817	820	817	820	225
25°	273	273	277	274	276	129
35°	88	89	90	91	90	57
45°	34	34	35	35	36	27
55°	16	16	17	17	17	15
65°	9	9	9	9	10	9
75°	5	5	5	5	5	5
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°	1747.2	1747.2	1747.2	1747.2	1747.2
1°	1746.4	1741.8	1740.3	1738.8	1743.4
2°	1728.8	1723.5	1720.4	1721.9	1722.7
3°	1697.5	1694.4	1694.4	1692.1	1693.7
4°	1657.0	1650.8	1650.8	1651.6	1651.6
5°	1605.7	1600.4	1596.5	1599.6	1601.9
6°	1548.4	1541.5	1538.4	1539.2	1544.6
7°	1478.0	1468.9	1470.4	1474.2	1474.2
8°	1398.5	1397.7	1399.3	1397.7	1399.3
9°	1325.1	1314.4	1323.6	1315.9	1319.8
10°	1231.8	1231.1	1233.3	1235.6	1233.3
12.5°	1019.3	1023.1	1024.6	1021.5	1028.4
15°	816.6	816.6	820.4	816.6	820.4
17.5°	635.4	634.6	637.7	634.6	639.2
20°	482.5	487.8	488.6	488.6	490.9
22.5°	364.0	364.0	367.0	367.8	366.3
25°	273.0	273.0	276.8	274.5	276.0
27.5°	201.9	203.4	206.5	208.0	208.0
30°	152.2	152.9	155.2	156.0	156.0
32.5°	114.7	116.2	117.8	118.5	119.3
35°	87.9	88.7	90.2	91.0	90.2
37.5°	67.3	68.1	69.6	70.3	70.3
40°	53.5	53.5	54.3	55.1	55.1
42.5°	42.1	42.8	42.8	43.6	43.6
45°	34.4	34.4	35.2	35.2	35.9
47.5°	27.5	27.5	28.3	29.1	29.1
50°	22.9	22.9	23.7	23.7	23.7
52.5°	19.1	19.1	19.9	19.9	19.9
55°	16.1	16.1	16.8	16.8	16.8
57.5°	13.8	13.8	14.5	14.5	14.5
60°	12.2	12.2	12.2	12.2	13.0
62.5°	10.7	10.7	10.7	10.7	10.7
65°	9.2	9.2	9.2	9.2	9.9
67.5°	7.6	7.6	7.6	7.6	8.4
70°	6.9	6.9	6.9	6.9	6.9
72.5°	5.4	5.4	5.4	6.1	6.1
75°	4.6	4.6	4.6	4.6	4.6
77.5°	3.8	3.8	3.8	3.8	3.8
80°	2.3	2.3	2.3	3.1	3.1
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.8	0.8	0.8	0.8	1.5
87.5°	0.0	0.0	0.0	0.8	0.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)