

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: P1327562

Luminaire Tested: LDSQA3D13R20W2N902750DE010 3LSQCDR1MW_5000K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1327562
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-34)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R20W2N902750DE010 3LSQCDR1MW_5000K
Description: 3in Adjustable Tunable White LED luminaire with, R20 optic, 5000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

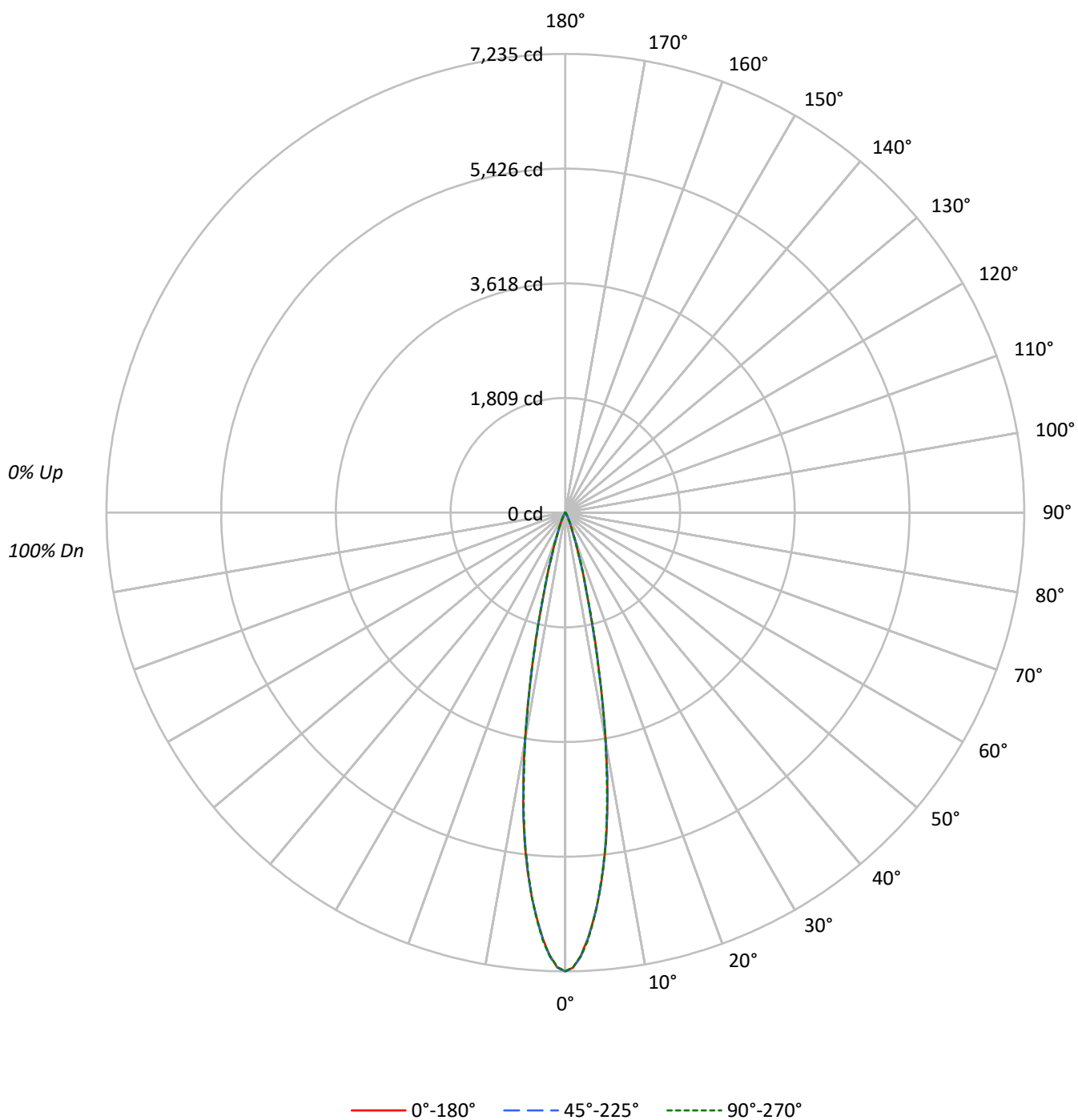
Lumens per Lamp: N/A
Luminaire Lumens: 997.0 lumens
Efficiency: N/A
Efficacy: 81.1 lumens/watt
Spacing Criteria (0/90/45): 0.34 / 0.34 / 0.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1327562

CATALOG NUMBER: LDSQA3D13R20W2N902750DE010 3LSQCDR1MW_5000K

Luminous Intensity Polar Plot



TEST NUMBER: P1327562

CATALOG NUMBER: LDSQA3D13R20W2N902750DE010 3LSQCDR1MW_5000K

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	100	100	100
1	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98	98	98
2	112	109	106	104	110	107	105	103	104	102	101	102	100	99	99	98	97	95	95	95
3	109	105	102	100	108	104	101	99	102	99	97	99	97	96	97	96	94	93	93	93
4	107	102	98	96	105	101	98	95	99	96	94	97	95	93	96	94	92	91	91	91
5	104	99	95	93	103	98	95	92	97	94	92	95	93	91	94	92	90	89	89	89
6	102	96	93	90	101	96	92	90	94	92	89	93	91	89	92	90	88	87	87	87
7	100	94	90	88	99	94	90	88	92	90	87	91	89	87	91	88	87	86	86	86
8	97	92	88	86	97	91	88	86	91	88	86	90	87	85	89	87	85	84	84	84
9	96	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	83	83	83	83
10	94	88	85	83	93	88	85	82	87	84	82	87	84	82	86	84	82	81	81	81

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1245996	1245996	1245996
5°	1050197	1050595	1050059
10°	639954	636998	638485
15°	225422	226385	233392
20°	70836	72815	71258
25°	26528	29017	27269
30°	10281	14577	10739
35°	3890	6497	4226
40°	2091	2765	2091
45°	755	1315	950
50°	402	616	402
55°	450	450	450
60°	276	276	276
65°	326	326	326
70°	403	403	403
75°	0	0	532
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 1315 cd/sqm

TEST NUMBER: P1327562

CATALOG NUMBER: LDSQA3D13R20W2N902750DE010 3LSQCDR1MW_5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	502.2	50.4
10°-20°	393.8	39.5
20°-30°	77.3	7.8
30°-40°	17.4	1.7
40°-50°	3.9	0.4
50°-60°	1.2	0.1
60°-70°	0.8	0.1
70°-80°	0.3	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°	973.4	97.6
0°-40°	990.7	99.4
0°-60°	995.9	99.9
0°-90°	997.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	997.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7235	7235	7235	7235	7235	
5°	6075	6080	6077	6098	6074	503
15°	1264	1270	1270	1298	1309	393
25°	140	149	153	150	144	74
35°	18	22	31	22	20	14
45°	3	5	5	5	4	3
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1327562

CATALOG NUMBER: LDSQA3D13R20W2N902750DE010 3LSQCDR1MW_5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7234.8	7234.8	7234.8	7234.8	7234.8
1°	7176.2	7160.8	7178.5	7164.6	7167.7
2°	6990.3	6981.8	7004.9	6990.3	6998.0
3°	6731.9	6721.1	6738.0	6738.8	6760.4
4°	6423.3	6402.5	6427.9	6428.7	6432.6
5°	6074.7	6080.1	6077.0	6097.8	6073.9
6°	5682.8	5700.5	5677.4	5689.0	5655.8
7°	5244.6	5222.3	5210.7	5214.6	5237.7
8°	4761.0	4745.6	4762.5	4738.6	4722.4
9°	4223.3	4196.3	4214.8	4191.7	4168.6
10°	3659.4	3647.1	3642.5	3616.3	3651.0
11°	3094.0	3057.0	3075.5	3062.4	3100.2
12°	2564.9	2567.9	2531.7	2543.3	2547.9
13°	2087.4	2038.0	2044.2	2075.8	2081.2
14°	1619.1	1626.1	1628.4	1650.8	1663.9
15°	1264.3	1269.7	1269.7	1297.5	1309.0
17.5°	678.0	678.0	692.7	695.8	697.3
20°	386.5	388.8	397.3	396.5	388.8
22.5°	231.4	236.0	240.7	236.0	231.4
25°	139.6	148.9	152.7	150.4	143.5
27.5°	83.3	93.3	104.1	95.7	82.5
30°	51.7	57.1	73.3	58.6	54.0
32.5°	28.5	37.0	50.1	38.6	29.3
35°	18.5	22.4	30.9	22.4	20.1
37.5°	13.1	15.4	19.3	16.2	13.9
40°	9.3	10.8	12.3	11.6	9.3
42.5°	6.2	7.7	8.5	7.7	6.2
45°	3.1	4.6	5.4	4.6	3.9
47.5°	1.5	2.3	3.9	2.3	1.5
50°	1.5	1.5	2.3	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	0.8	1.5	0.8
60°	0.8	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8	0.8
72.5°	0.8	0.8	0.8	0.8	0.8
75°	0.0	0.0	0.0	0.0	0.8
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: P1327562

CATALOG NUMBER: LDSQA3D13R20W2N902750DE010 3LSQCDR1MW_5000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)