

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: P1323764

Luminaire Tested: LDSQA3D09R309030D2WDE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323764
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309030D2WDE010 3LSQPHRL1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

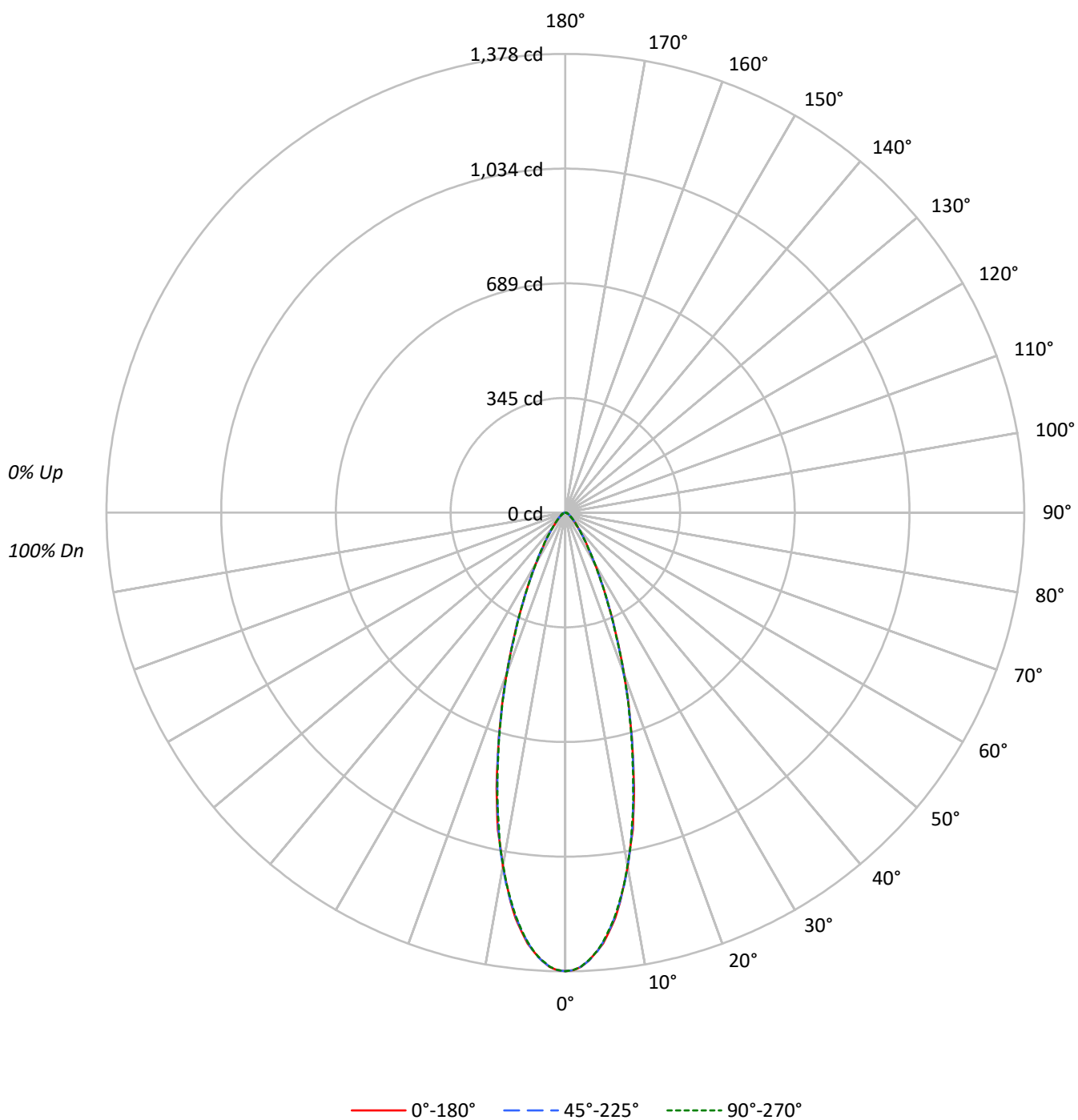
Lumens per Lamp: N/A
Luminaire Lumens: 605.0 lumens
Efficiency: N/A
Efficacy: 41.2 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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: P1323764

CATALOG NUMBER: LDSQA3D09R309030D2WDE010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1323764

CATALOG NUMBER: LDSQA3D09R309030D2WDE010 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	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	106	111	109	107	105	105	103	101	101	100	98	98	97	96	96	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	90	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	84	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	79	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	75	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	71	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	68	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	62	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	59	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	237254	237254	237254
5°	224624	224036	223932
10°	188695	188695	187995
15°	140588	140231	139393
20°	94094	93599	93727
25°	57996	57882	58129
30°	34881	34881	35000
35°	21382	21382	21529
40°	13534	13534	13849
45°	9304	9450	9450
50°	6805	6805	6805
55°	5225	5435	5435
60°	4374	4374	4616
65°	3831	3831	3831
70°	3374	3726	3726
75°	3127	3127	3127
80°	2678	2678	2678
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 9450 cd/sqm

TEST NUMBER: P1323764

CATALOG NUMBER: LDSQA3D09R309030D2WDE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.8	19.3
10°-20°	215.6	35.6
20°-30°	143.3	23.7
30°-40°	66.2	11.0
40°-50°	30.8	5.1
50°-60°	16.4	2.7
60°-70°	9.6	1.6
70°-80°	5.1	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°	475.8	78.6
0°-40°	542.0	89.6
0°-60°	589.2	97.4
0°-90°	605.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	605.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1378	1378	1378	1378	1378	
5°	1299	1297	1296	1299	1295	117
15°	788	791	786	786	782	216
25°	305	305	305	305	306	144
35°	102	101	102	102	102	66
45°	38	38	39	39	39	30
55°	17	18	18	18	18	16
65°	9	9	9	9	9	9
75°	5	5	5	5	5	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1323764

CATALOG NUMBER: LDSQA3D09R309030D2WDE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1377.6	1377.6	1377.6	1377.6	1377.6
1°	1374.9	1373.6	1374.9	1376.9	1374.2
2°	1365.5	1364.2	1364.2	1366.9	1364.2
3°	1347.5	1348.8	1348.1	1350.8	1346.1
4°	1324.7	1324.0	1326.7	1328.1	1324.0
5°	1299.3	1296.6	1295.9	1299.3	1295.3
6°	1264.5	1262.5	1261.1	1265.1	1259.8
7°	1227.0	1225.6	1223.6	1225.0	1221.0
8°	1180.8	1180.1	1178.8	1180.1	1175.4
9°	1129.2	1129.2	1131.9	1131.3	1128.6
10°	1079.0	1080.4	1079.0	1080.4	1075.0
11°	1022.8	1022.8	1024.2	1023.5	1024.2
12°	974.0	968.6	967.3	965.9	961.9
13°	911.0	907.0	905.7	907.0	905.0
14°	853.5	850.8	844.1	845.4	842.8
15°	788.5	791.2	786.5	786.5	781.8
17.5°	644.6	641.9	643.3	643.9	641.9
20°	513.4	512.1	510.7	509.4	511.4
22.5°	399.0	399.6	398.3	396.9	395.6
25°	305.2	304.6	304.6	304.6	305.9
27.5°	231.6	231.6	231.6	232.3	232.3
30°	175.4	174.0	175.4	176.0	176.0
32.5°	131.2	132.5	133.2	133.2	133.2
35°	101.7	101.1	101.7	102.4	102.4
37.5°	77.6	77.6	78.3	78.3	79.0
40°	60.2	60.2	60.2	60.9	61.6
42.5°	47.5	47.5	48.2	48.2	48.9
45°	38.2	38.2	38.8	38.8	38.8
47.5°	30.8	30.8	31.5	31.5	31.5
50°	25.4	25.4	25.4	25.4	25.4
52.5°	21.4	20.8	21.4	21.4	21.4
55°	17.4	18.1	18.1	18.1	18.1
57.5°	14.7	15.4	15.4	15.4	15.4
60°	12.7	12.7	12.7	13.4	13.4
62.5°	10.7	11.4	11.4	11.4	11.4
65°	9.4	9.4	9.4	9.4	9.4
67.5°	8.0	8.0	8.0	8.0	8.7
70°	6.7	6.7	7.4	7.4	7.4
72.5°	6.0	6.0	6.0	6.0	6.0
75°	4.7	4.7	4.7	4.7	4.7
77.5°	3.3	3.3	4.0	4.0	3.3
80°	2.7	2.7	2.7	2.7	2.7
82.5°	2.0	2.0	2.0	2.0	2.0
85°	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1323764

CATALOG NUMBER: LDSQA3D09R309030D2WDE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)