

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: P1323716

Luminaire Tested: LDSQA3D09R159030D2WDE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323716
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: LDSQA3D09R159030D2WDE010 3LSQPHRL1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R15 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

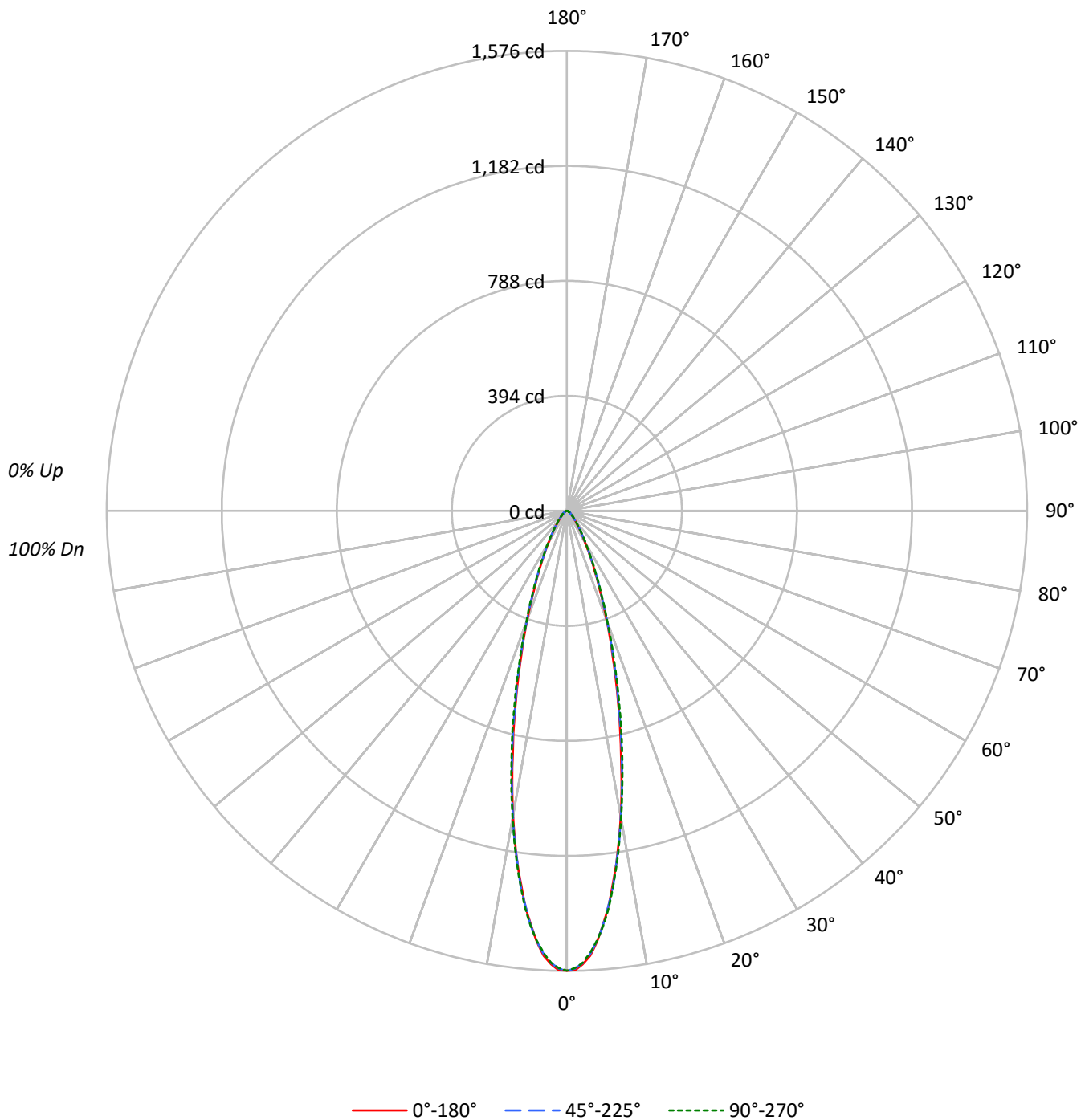
Lumens per Lamp: N/A
Luminaire Lumens: 521.0 lumens
Efficiency: N/A
Efficacy: 35.4 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.7
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: P1323716

CATALOG NUMBER: LDSQA3D09R159030D2WDE010 3LSQPHRL1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1323716

CATALOG NUMBER: LDSQA3D09R159030D2WDE010 3LSQPHRL1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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	97	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	85	82	86	83	81	81	81	80
5	96	88	83	79	94	87	83	79	86	82	78	84	80	78	83	79	77	77	77	76
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	73	73	72
7	88	80	75	71	87	80	75	71	79	74	71	77	74	71	76	73	70	70	70	69
8	85	77	72	68	84	76	72	68	75	71	68	74	70	68	74	70	67	67	67	66
9	82	74	69	65	81	73	69	65	73	68	65	72	68	65	71	67	65	65	65	64
10	79	71	66	63	78	71	66	63	70	66	63	69	65	62	69	65	62	62	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	271337	271337	271337
5°	245767	246234	246579
10°	185547	186019	186946
15°	120351	121671	124042
20°	72467	73329	74300
25°	42338	43231	43858
30°	24878	25674	26071
35°	15327	15895	16168
40°	10072	10387	10522
45°	7015	7161	7331
50°	5198	5385	5546
55°	4204	4414	4414
60°	3686	3686	3686
65°	3260	3260	3260
70°	2719	3021	3021
75°	2662	2662	2662
80°	1984	2678	2678
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 7331 cd/sqm

TEST NUMBER: P1323716

CATALOG NUMBER: LDSQA3D09R159030D2WDE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.1	23.8
10°-20°	189.8	36.4
20°-30°	107.9	20.7
30°-40°	49.2	9.4
40°-50°	23.6	4.5
50°-60°	13.2	2.5
60°-70°	8.1	1.6
70°-80°	4.3	0.8
80°-90°	0.9	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°	421.7	80.9
0°-40°	470.9	90.4
0°-60°	507.7	97.4
0°-90°	521.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	521.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1576	1576	1576	1576	1576	
5°	1422	1421	1424	1424	1426	124
15°	675	678	682	692	696	187
25°	223	223	228	230	231	106
35°	73	74	76	77	77	48
45°	29	29	29	30	30	23
55°	14	14	15	15	15	13
65°	8	8	8	8	8	8
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1323716

CATALOG NUMBER: LDSQA3D09R159030D2WDE010 3LSQPHRL1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1575.5	1575.5	1575.5	1575.5	1575.5
1°	1574.1	1570.1	1568.8	1568.1	1566.8
2°	1554.1	1550.7	1550.0	1550.0	1549.4
3°	1526.0	1519.9	1520.6	1518.6	1516.6
4°	1478.5	1475.8	1477.1	1478.5	1475.8
5°	1421.6	1420.9	1424.3	1424.3	1426.3
6°	1362.7	1362.1	1360.1	1365.4	1368.1
7°	1287.8	1291.8	1297.2	1294.5	1296.5
8°	1219.6	1214.9	1216.9	1223.6	1224.3
9°	1139.3	1135.9	1144.6	1147.3	1148.0
10°	1061.0	1064.4	1063.7	1073.1	1069.0
12.5°	857.0	862.3	868.3	872.4	876.4
15°	675.0	678.4	682.4	691.7	695.7
17.5°	519.1	523.1	527.2	535.2	536.5
20°	395.4	397.4	400.1	407.4	405.4
22.5°	295.7	299.0	301.7	305.1	307.1
25°	222.8	222.8	227.5	229.5	230.8
27.5°	165.9	167.2	170.6	173.3	172.6
30°	125.1	127.1	129.1	130.5	131.1
32.5°	96.3	96.3	98.3	100.3	101.0
35°	72.9	74.3	75.6	76.9	76.9
37.5°	56.9	57.5	58.9	59.5	59.5
40°	44.8	44.8	46.2	46.8	46.8
42.5°	35.5	36.1	36.8	37.5	37.5
45°	28.8	28.8	29.4	30.1	30.1
47.5°	23.4	23.4	24.1	24.8	24.8
50°	19.4	20.1	20.1	20.7	20.7
52.5°	16.7	16.7	16.7	17.4	17.4
55°	14.0	14.0	14.7	14.7	14.7
57.5°	12.0	12.0	12.0	12.7	12.7
60°	10.7	10.7	10.7	10.7	10.7
62.5°	9.4	9.4	9.4	9.4	9.4
65°	8.0	8.0	8.0	8.0	8.0
67.5°	6.7	6.7	6.7	7.4	7.4
70°	5.4	6.0	6.0	6.0	6.0
72.5°	4.7	4.7	4.7	4.7	4.7
75°	4.0	4.0	4.0	4.0	4.0
77.5°	3.3	3.3	3.3	3.3	3.3
80°	2.0	2.7	2.7	2.7	2.7
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.7	0.7	0.7	0.7	0.7
87.5°	0.0	0.0	0.0	0.0	0.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)