

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: P1306946

Luminaire Tested: LDSQA3D09R159024DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306946
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: LDSQA3D09R159024DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

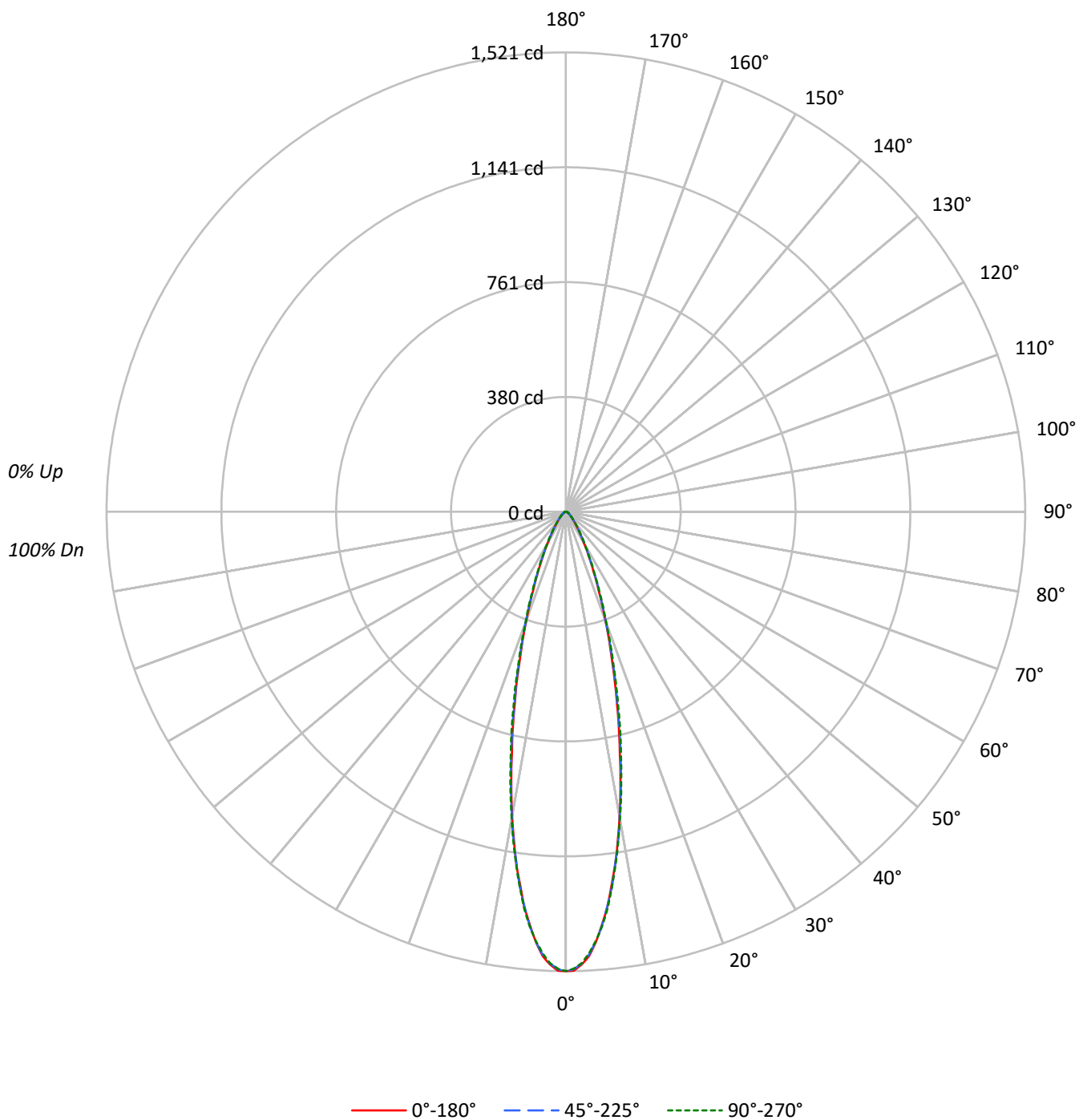
Lumens per Lamp: N/A
Luminaire Lumens: 503.0 lumens
Efficiency: N/A
Efficacy: 45.3 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1306946

CATALOG NUMBER: LDSQA3D09R159024DE010 3LSQPHRL1MW

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		97	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	85	82		86
5	96	88	83	79	94	87	83	79	86	82	78		84	80	78		83
6	92	84	79	75	91	83	78	75	82	78	74		81	77	74		79
7	88	80	75	71	87	80	75	71	79	74	71		77	74	71		76
8	85	77	72	68	84	76	72	68	75	71	68		74	70	68		74
9	82	74	69	65	81	73	69	65	73	68	65		72	68	65		71
10	79	71	66	63	78	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	261951	261951	261951
5°	237278	237728	238056
10°	179147	179584	180493
15°	116197	117463	119763
20°	69956	70781	71734
25°	40875	41730	42338
30°	24023	24799	25176
35°	14801	15348	15621
40°	9735	10027	10162
45°	6771	6917	7088
50°	5010	5198	5359
55°	4084	4264	4264
60°	3548	3548	3548
65°	3179	3179	3179
70°	2618	2921	2921
75°	2595	2595	2595
80°	1884	2579	2579
85°	1186	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 7088 cd/sqm

TEST NUMBER: P1306946

CATALOG NUMBER: LDSQA3D09R159024DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.8	23.8
10°-20°	183.2	36.4
20°-30°	104.1	20.7
30°-40°	47.5	9.4
40°-50°	22.8	4.5
50°-60°	12.7	2.5
60°-70°	7.8	1.6
70°-80°	4.1	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°	407.1	80.9
0°-40°	454.6	90.4
0°-60°	490.2	97.5
0°-90°	503.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	503.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1521	1521	1521	1521	1521	
5°	1372	1372	1375	1375	1377	120
15°	652	655	659	668	672	181
25°	215	215	220	222	223	102
35°	70	72	73	74	74	46
45°	28	28	28	29	29	22
55°	14	14	14	14	14	12
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1521.0	1521.0	1521.0	1521.0	1521.0
1°	1519.7	1515.9	1514.6	1513.9	1512.6
2°	1500.4	1497.1	1496.5	1496.5	1495.8
3°	1473.2	1467.4	1468.1	1466.1	1464.2
4°	1427.4	1424.8	1426.1	1427.4	1424.8
5°	1372.5	1371.8	1375.1	1375.1	1377.0
6°	1315.7	1315.0	1313.1	1318.2	1320.8
7°	1243.3	1247.2	1252.4	1249.8	1251.7
8°	1177.4	1172.9	1174.8	1181.3	1182.0
9°	1099.9	1096.7	1105.1	1107.7	1108.3
10°	1024.4	1027.6	1026.9	1036.0	1032.1
12.5°	827.4	832.5	838.3	842.2	846.1
15°	651.7	654.9	658.8	667.8	671.7
17.5°	501.2	505.1	509.0	516.7	518.0
20°	381.7	383.7	386.2	393.3	391.4
22.5°	285.5	288.7	291.3	294.5	296.5
25°	215.1	215.1	219.6	221.5	222.8
27.5°	160.2	161.5	164.7	167.3	166.6
30°	120.8	122.7	124.7	125.9	126.6
32.5°	93.0	93.0	94.9	96.9	97.5
35°	70.4	71.7	73.0	74.3	74.3
37.5°	54.9	55.5	56.8	57.5	57.5
40°	43.3	43.3	44.6	45.2	45.2
42.5°	34.2	34.9	35.5	36.2	36.2
45°	27.8	27.8	28.4	29.1	29.1
47.5°	22.6	22.6	23.3	23.9	23.9
50°	18.7	19.4	19.4	20.0	20.0
52.5°	16.1	16.1	16.1	16.8	16.8
55°	13.6	13.6	14.2	14.2	14.2
57.5°	11.6	11.6	11.6	12.3	12.3
60°	10.3	10.3	10.3	10.3	10.3
62.5°	9.0	9.0	9.0	9.0	9.0
65°	7.8	7.8	7.8	7.8	7.8
67.5°	6.5	6.5	6.5	7.1	7.1
70°	5.2	5.8	5.8	5.8	5.8
72.5°	4.5	4.5	4.5	4.5	4.5
75°	3.9	3.9	3.9	3.9	3.9
77.5°	3.2	3.2	3.2	3.2	3.2
80°	1.9	2.6	2.6	2.6	2.6
82.5°	1.3	1.3	1.3	1.3	1.3
85°	0.6	0.6	0.6	0.6	0.6
87.5°	0.0	0.0	0.0	0.0	0.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)