

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: P1314439

Luminaire Tested: LDSQA3D09R159730DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314439
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: LDSQA3D09R159730DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3000K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

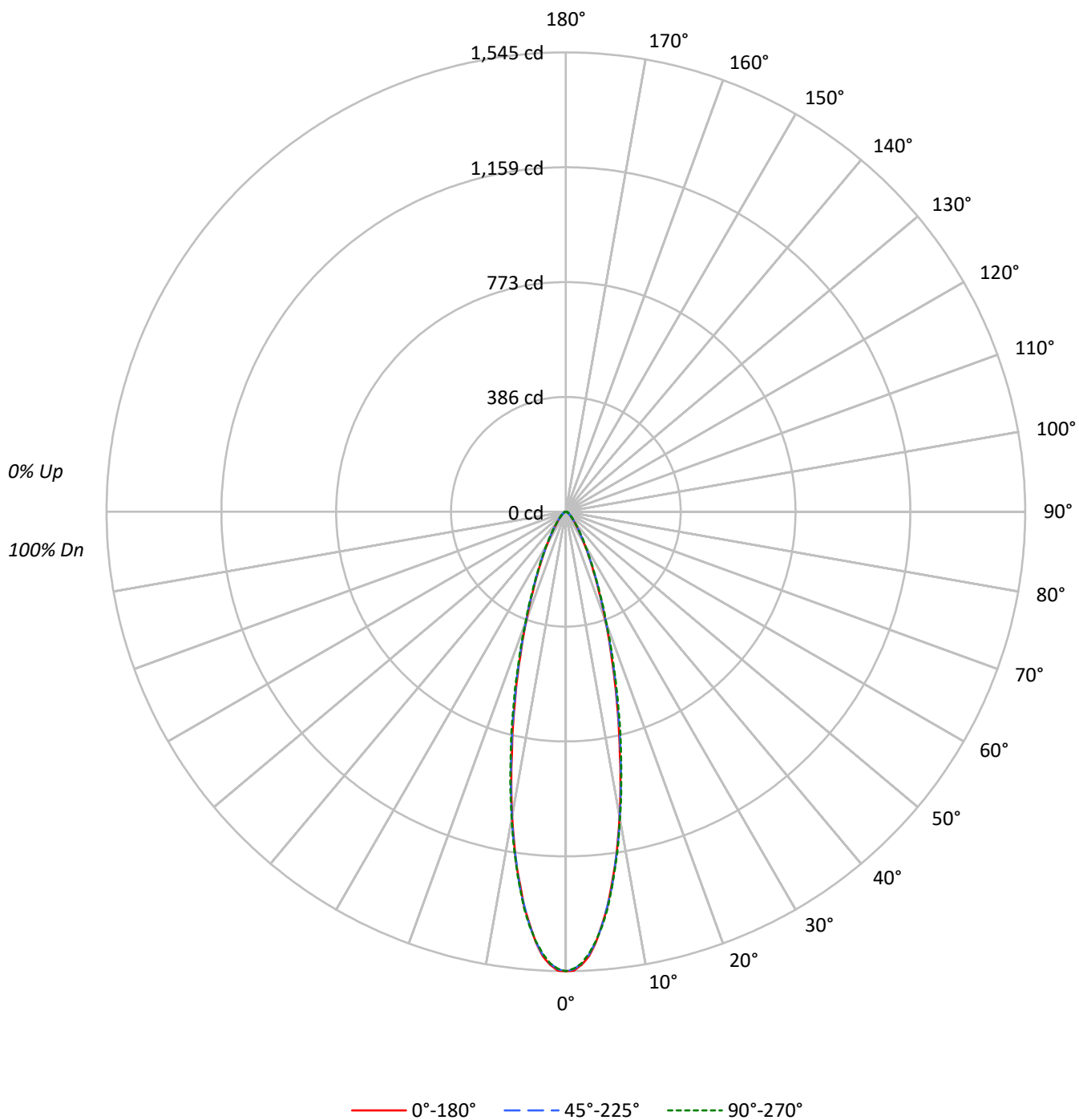
Lumens per Lamp: N/A
Luminaire Lumens: 511.0 lumens
Efficiency: N/A
Efficacy: 46.0 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.46 / 0.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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
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°	266118	266118	266118
5°	241047	241497	241843
10°	181997	182452	183361
15°	118051	119335	121671
20°	71074	71917	72870
25°	41521	42395	43022
30°	24401	25176	25574
35°	15033	15579	15873
40°	9892	10184	10319
45°	6868	7039	7185
50°	5091	5278	5439
55°	4144	4324	4324
60°	3617	3617	3617
65°	3219	3219	3219
70°	2618	2971	2971
75°	2595	2595	2595
80°	1984	2579	2579
85°	1383	1383	1383

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 67.5°

Vertical Angle: 45°

Luminance: 7185 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.7	23.8
10°-20°	186.1	36.4
20°-30°	105.8	20.7
30°-40°	48.3	9.4
40°-50°	23.1	4.5
50°-60°	12.9	2.5
60°-70°	7.9	1.6
70°-80°	4.2	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°	413.6	80.9
0°-40°	461.9	90.4
0°-60°	498.0	97.4
0°-90°	511.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	511.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1545	1545	1545	1545	1545	
5°	1394	1394	1397	1397	1399	122
15°	662	665	669	678	682	184
25°	218	218	223	225	226	104
35°	72	73	74	76	76	47
45°	28	28	29	30	30	22
55°	14	14	14	14	14	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1545.2	1545.2	1545.2	1545.2	1545.2
1°	1543.9	1540.0	1538.7	1538.0	1536.7
2°	1524.2	1521.0	1520.3	1520.3	1519.6
3°	1496.7	1490.8	1491.4	1489.5	1487.5
4°	1450.1	1447.5	1448.8	1450.1	1447.5
5°	1394.3	1393.7	1396.9	1396.9	1398.9
6°	1336.6	1335.9	1334.0	1339.2	1341.8
7°	1263.1	1267.0	1272.3	1269.6	1271.6
8°	1196.2	1191.6	1193.5	1200.1	1200.8
9°	1117.4	1114.1	1122.7	1125.3	1126.0
10°	1040.7	1043.9	1043.3	1052.5	1048.5
12.5°	840.5	845.8	851.7	855.6	859.6
15°	662.1	665.3	669.3	678.5	682.4
17.5°	509.2	513.1	517.0	524.9	526.2
20°	387.8	389.8	392.4	399.6	397.6
22.5°	290.0	293.3	295.9	299.2	301.2
25°	218.5	218.5	223.1	225.1	226.4
27.5°	162.7	164.0	167.3	169.9	169.3
30°	122.7	124.7	126.6	127.9	128.6
32.5°	94.5	94.5	96.5	98.4	99.1
35°	71.5	72.8	74.1	75.5	75.5
37.5°	55.8	56.4	57.7	58.4	58.4
40°	44.0	44.0	45.3	45.9	45.9
42.5°	34.8	35.4	36.1	36.7	36.7
45°	28.2	28.2	28.9	29.5	29.5
47.5°	23.0	23.0	23.6	24.3	24.3
50°	19.0	19.7	19.7	20.3	20.3
52.5°	16.4	16.4	16.4	17.1	17.1
55°	13.8	13.8	14.4	14.4	14.4
57.5°	11.8	11.8	11.8	12.5	12.5
60°	10.5	10.5	10.5	10.5	10.5
62.5°	9.2	9.2	9.2	9.2	9.2
65°	7.9	7.9	7.9	7.9	7.9
67.5°	6.6	6.6	6.6	7.2	7.2
70°	5.2	5.9	5.9	5.9	5.9
72.5°	4.6	4.6	4.6	4.6	4.6
75°	3.9	3.9	3.9	3.9	3.9
77.5°	3.3	3.3	3.3	3.3	3.3
80°	2.0	2.6	2.6	2.6	2.6
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)