

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: P1316484

Luminaire Tested: LDSQA3D09R559740DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316484
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-28)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R559740DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

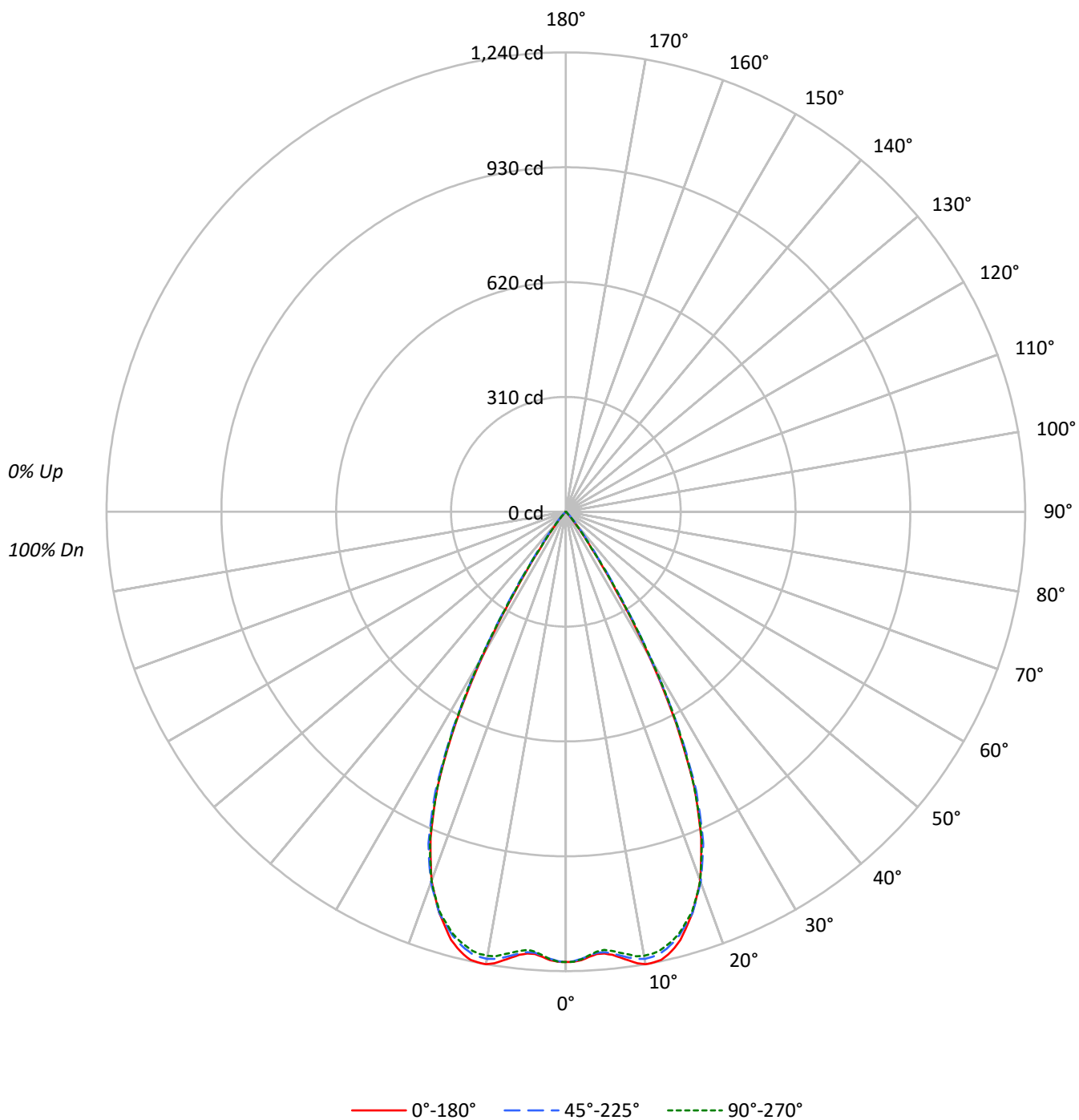
Lumens per Lamp: N/A
Luminaire Lumens: 924.0 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.81
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	112	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	104	99	94	91	103	97	93	90	95	91	89		92	90	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	82	79	85	81	78		84	80	77		82
6	91	83	78	74	90	83	78	74	81	77	74		80	76	73		79
7	87	79	74	70	86	79	73	70	77	73	69		76	72	69		75
8	84	75	70	66	83	75	70	66	74	69	66		73	69	65		72
9	80	72	66	63	79	71	66	63	70	66	62		69	65	62		69
10	77	68	63	59	76	68	63	59	67	62	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	209319	209319	209319
5°	206921	206316	205209
10°	216885	214280	212793
15°	213280	211016	210249
20°	194272	195060	194400
25°	155860	158292	155860
30°	89450	91717	92413
35°	25503	30738	26260
40°	6542	9420	6700
45°	682	3288	511
50°	0	563	0
55°	0	0	0
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 3288 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.4	12.5
10°-20°	329.3	35.6
20°-30°	362.7	39.3
30°-40°	108.3	11.7
40°-50°	8.3	0.9
50°-60°	0.1	0.0
60°-70°	0.0	0.0
70°-80°	0.0	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°	807.4	87.4
0°-40°	915.6	99.1
0°-60°	924.0	100.0
0°-90°	924.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	924.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1215	1215	1215	1215	1215	
5°	1197	1195	1193	1188	1187	116
15°	1196	1188	1184	1178	1179	332
25°	820	820	833	832	820	359
35°	121	129	146	133	125	100
45°	3	7	14	7	2	5
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1215.4	1215.4	1215.4	1215.4	1215.4
1°	1214.7	1214.7	1213.3	1212.5	1214.7
2°	1211.1	1211.1	1207.6	1206.9	1209.0
3°	1203.3	1202.6	1199.8	1197.6	1199.1
4°	1196.9	1195.5	1193.4	1189.8	1190.5
5°	1196.9	1194.8	1193.4	1188.4	1187.0
6°	1202.6	1201.2	1198.4	1193.4	1192.0
7°	1212.5	1209.7	1206.9	1200.5	1199.1
8°	1223.2	1221.1	1215.4	1209.0	1206.2
9°	1233.8	1228.9	1221.8	1215.4	1214.7
10°	1240.2	1233.1	1225.3	1217.5	1216.8
11°	1239.5	1233.1	1223.9	1216.8	1216.1
12°	1236.7	1227.4	1219.6	1211.1	1211.8
13°	1226.7	1218.2	1210.4	1204.0	1202.6
14°	1213.3	1205.4	1198.4	1192.0	1192.7
15°	1196.2	1187.7	1183.5	1178.5	1179.2
17.5°	1135.9	1133.8	1135.9	1130.2	1132.4
20°	1060.0	1057.9	1064.3	1061.4	1060.7
22.5°	954.3	957.1	969.2	965.6	959.2
25°	820.2	820.2	833.0	831.5	820.2
27.5°	645.6	650.6	658.4	662.0	653.5
30°	449.8	461.2	461.2	468.3	464.7
32.5°	251.2	275.3	281.0	284.5	270.3
35°	121.3	129.1	146.2	133.4	124.9
37.5°	58.2	61.7	78.8	63.9	59.6
40°	29.1	33.3	41.9	34.8	29.8
42.5°	12.1	17.7	22.0	17.7	12.1
45°	2.8	7.1	13.5	7.1	2.1
47.5°	0.0	0.7	6.4	1.4	0.0
50°	0.0	0.0	2.1	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
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



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)