

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: P1306977

Luminaire Tested: LDSQA3D09R259024DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1306977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-8)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R259024DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R25 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

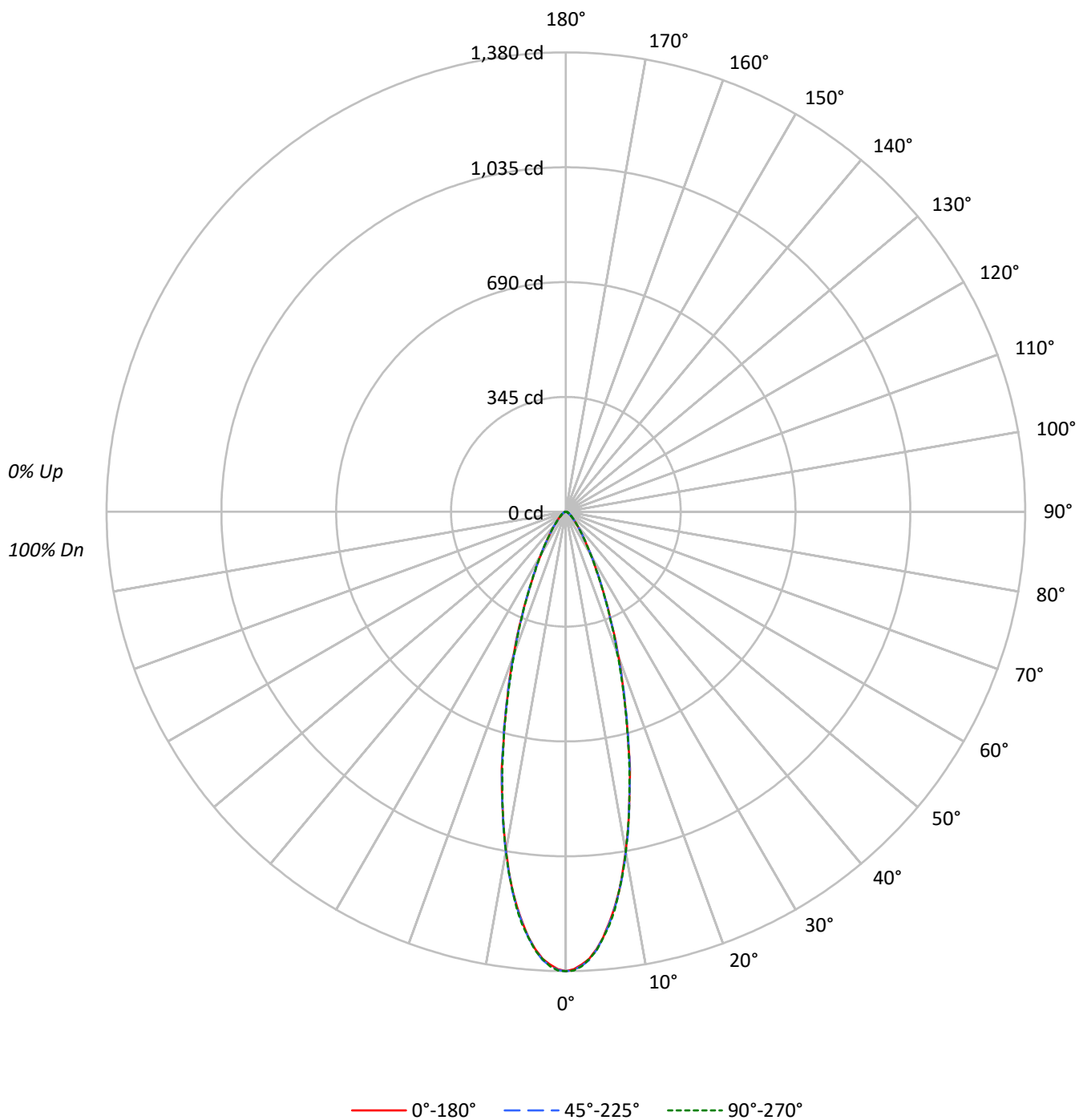
Lumens per Lamp: N/A
Luminaire Lumens: 553.0 lumens
Efficiency: N/A
Efficacy: 49.8 lumens/watt
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.54
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	100	97	106	102	99	96	99	96	94		96	94	92		93
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89
4	99	92	87	83	97	91	86	83	89	85	82		87	84	81		85
5	95	87	82	78	93	86	81	78	85	80	77		83	79	76		82
6	91	83	78	74	90	82	77	73	81	76	73		79	76	72		78
7	87	79	74	70	86	78	73	70	77	73	69		76	72	69		75
8	84	76	70	67	83	75	70	66	74	69	66		73	69	66		72
9	81	72	67	64	80	72	67	63	71	66	63		70	66	63		69
10	78	69	64	61	77	69	64	61	68	64	61		67	63	60		67

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	237684	237684	237684
5°	221858	222082	222186
10°	180965	181525	181525
15°	129248	129944	129248
20°	84600	83757	82584
25°	50300	50547	50300
30°	30287	30287	30168
35°	18460	18586	18460
40°	11758	11893	11893
45°	8184	8184	8184
50°	5868	6055	6055
55°	4654	4654	4834
60°	3789	3996	3996
65°	3423	3423	3423
70°	2921	2921	3273
75°	2595	2595	2994
80°	2579	2579	2579
85°	1186	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8184 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.7	20.7
10°-20°	199.9	36.2
20°-30°	125.7	22.7
30°-40°	57.5	10.4
40°-50°	26.9	4.9
50°-60°	14.4	2.6
60°-70°	8.5	1.5
70°-80°	4.4	0.8
80°-90°	1.0	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°	440.3	79.6
0°-40°	497.8	90.0
0°-60°	539.1	97.5
0°-90°	553.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	553.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1380	1380	1380	1380	1380	
5°	1283	1286	1285	1286	1285	114
15°	725	729	729	730	725	200
25°	265	268	266	266	265	126
35°	88	88	88	88	88	57
45°	34	34	34	34	34	27
55°	16	16	16	16	16	14
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°	1380.1	1380.1	1380.1	1380.1	1380.1
1°	1374.3	1375.6	1376.9	1378.8	1378.2
2°	1361.4	1364.0	1364.6	1367.2	1366.6
3°	1344.0	1343.3	1348.5	1348.5	1345.3
4°	1316.9	1318.2	1319.5	1320.7	1321.4
5°	1283.3	1285.9	1284.6	1285.9	1285.2
6°	1242.0	1245.9	1245.2	1246.5	1248.4
7°	1198.1	1200.7	1200.7	1199.4	1204.6
8°	1150.3	1148.4	1151.6	1150.3	1149.7
9°	1093.5	1097.4	1098.0	1094.8	1096.1
10°	1034.8	1037.4	1038.0	1039.9	1038.0
11°	976.7	976.7	978.0	981.2	976.0
12°	913.4	919.2	913.4	916.0	913.4
13°	853.4	854.7	853.4	852.7	848.2
14°	796.6	792.1	793.4	788.2	788.8
15°	724.9	729.4	728.8	730.1	724.9
17.5°	582.9	585.5	584.8	583.6	577.1
20°	461.6	461.6	457.0	454.5	450.6
22.5°	352.5	351.2	349.2	347.3	348.6
25°	264.7	267.9	266.0	266.0	264.7
27.5°	200.1	204.0	200.8	198.8	200.1
30°	152.3	153.6	152.3	151.7	151.7
32.5°	114.9	115.5	114.9	114.9	114.9
35°	87.8	87.8	88.4	88.4	87.8
37.5°	67.8	67.8	67.8	67.8	68.4
40°	52.3	52.9	52.9	52.9	52.9
42.5°	41.3	42.0	42.0	42.0	42.0
45°	33.6	33.6	33.6	33.6	33.6
47.5°	27.1	27.1	27.1	27.1	27.8
50°	21.9	22.6	22.6	22.6	22.6
52.5°	18.7	18.7	18.7	18.7	18.7
55°	15.5	15.5	15.5	16.1	16.1
57.5°	12.9	12.9	13.6	13.6	13.6
60°	11.0	11.6	11.6	11.6	11.6
62.5°	9.7	9.7	10.3	10.3	10.3
65°	8.4	8.4	8.4	8.4	8.4
67.5°	7.1	7.1	7.1	7.1	7.7
70°	5.8	5.8	5.8	6.5	6.5
72.5°	5.2	5.2	5.2	5.2	5.2
75°	3.9	3.9	3.9	4.5	4.5
77.5°	3.2	3.2	3.2	3.2	3.2
80°	2.6	2.6	2.6	2.6	2.6
82.5°	1.3	1.3	1.9	1.9	1.9
85°	0.6	0.6	0.6	0.6	0.6
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)