

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: P1310202

Luminaire Tested: LDSQA3D09R309035DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310202
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309035DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 90CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

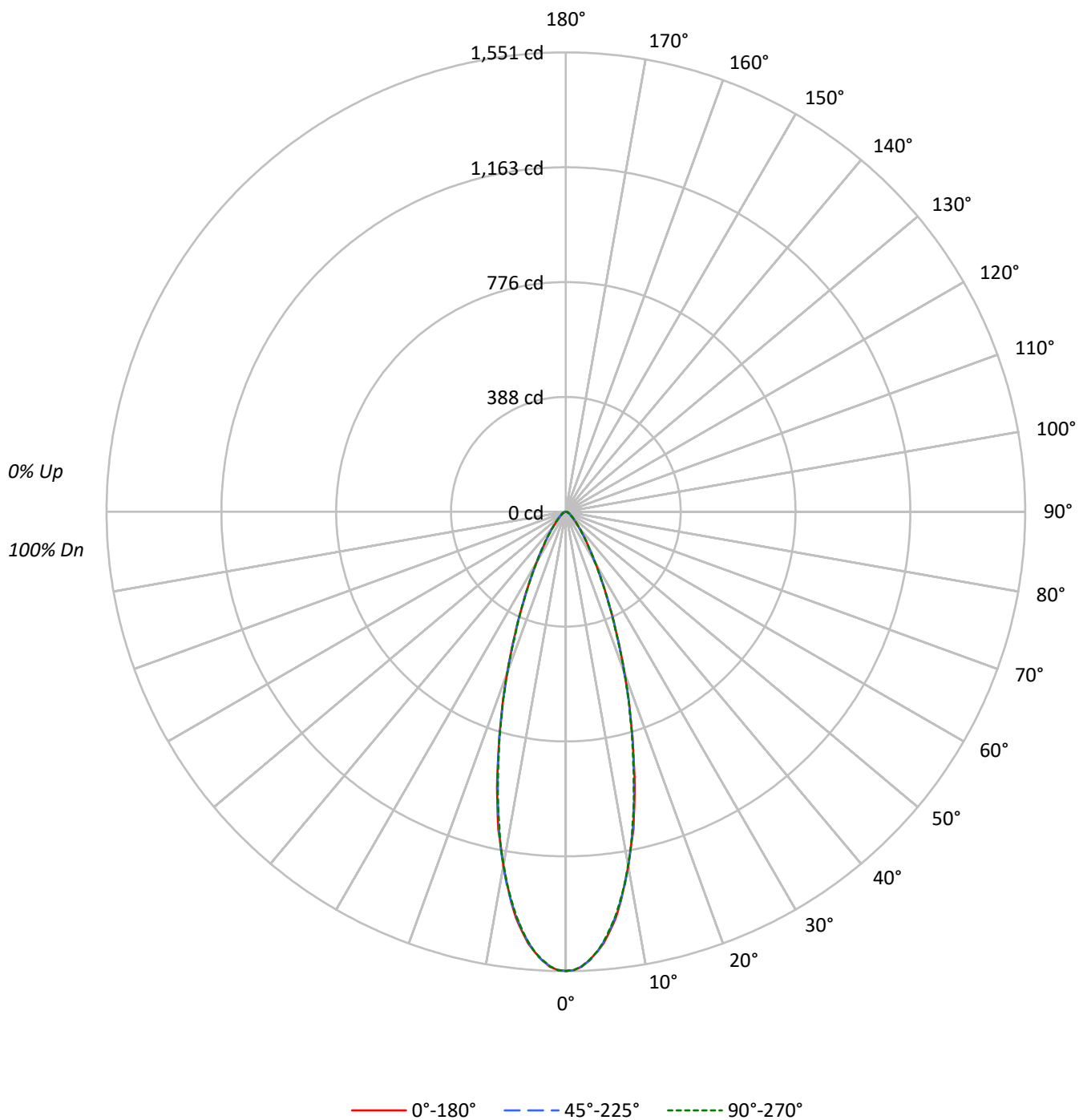
Lumens per Lamp: N/A
Luminaire Lumens: 681.0 lumens
Efficiency: N/A
Efficacy: 61.4 lumens/watt
Spacing Criteria (0/90/45): 0.55 / 0.55 / 0.57
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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	106	111	109	107	105	105	103	101		101	100	98		98
2	108	104	100	97	106	102	98	95	99	96	93		96	93	91		93
3	103	97	93	89	101	96	92	88	93	90	87		91	88	85		89
4	99	92	87	83	97	91	86	82	89	84	81		87	83	80		85
5	95	87	81	77	93	86	81	77	84	80	76		82	79	76		81
6	90	82	77	73	89	82	76	73	80	76	72		79	75	72		77
7	87	78	73	69	86	78	72	69	76	72	68		75	71	68		74
8	83	75	69	66	82	74	69	65	73	68	65		72	68	65		71
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68
10	77	68	63	60	76	68	63	60	67	63	59		66	62	59		66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	267048	267048	267048
5°	252838	252181	252060
10°	212409	212409	211622
15°	158257	157847	156920
20°	105915	105365	105512
25°	65293	65141	65426
30°	39256	39256	39415
35°	24073	24073	24241
40°	15243	15243	15580
45°	10449	10644	10644
50°	7663	7663	7663
55°	5885	6095	6095
60°	4926	4926	5201
65°	4279	4279	4279
70°	3777	4179	4179
75°	3527	3527	3527
80°	2975	2975	2975
85°	1581	1581	1581

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°

Vertical Angle: 45°

Luminance: 10644 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.5	19.3
10°-20°	242.7	35.6
20°-30°	161.4	23.7
30°-40°	74.6	11.0
40°-50°	34.6	5.1
50°-60°	18.5	2.7
60°-70°	10.8	1.6
70°-80°	5.7	0.8
80°-90°	1.2	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°	535.5	78.6
0°-40°	610.1	89.6
0°-60°	663.2	97.4
0°-90°	681.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	681.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1551	1551	1551	1551	1551	
5°	1462	1460	1459	1462	1458	132
15°	888	891	885	885	880	243
25°	344	343	343	343	344	162
35°	114	114	114	115	115	74
45°	43	43	44	44	44	34
55°	20	20	20	20	20	18
65°	10	10	10	10	10	11
75°	5	5	5	5	5	6
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°	1550.6	1550.6	1550.6	1550.6	1550.6
1°	1547.6	1546.1	1547.6	1549.9	1546.9
2°	1537.1	1535.6	1535.6	1538.6	1535.6
3°	1516.7	1518.2	1517.5	1520.5	1515.2
4°	1491.1	1490.4	1493.4	1494.9	1490.4
5°	1462.5	1459.5	1458.7	1462.5	1458.0
6°	1423.3	1421.0	1419.5	1424.1	1418.0
7°	1381.1	1379.6	1377.3	1378.8	1374.3
8°	1329.1	1328.4	1326.9	1328.4	1323.1
9°	1271.1	1271.1	1274.1	1273.4	1270.3
10°	1214.6	1216.1	1214.6	1216.1	1210.1
11°	1151.3	1151.3	1152.8	1152.1	1152.8
12°	1096.3	1090.3	1088.8	1087.3	1082.7
13°	1025.5	1021.0	1019.4	1021.0	1018.7
14°	960.7	957.7	950.1	951.6	948.6
15°	887.6	890.6	885.3	885.3	880.1
17.5°	725.6	722.6	724.1	724.8	722.6
20°	577.9	576.4	574.9	573.4	575.7
22.5°	449.1	449.8	448.3	446.8	445.3
25°	343.6	342.8	342.8	342.8	344.3
27.5°	260.7	260.7	260.7	261.5	261.5
30°	197.4	195.9	197.4	198.2	198.2
32.5°	147.7	149.2	149.9	149.9	149.9
35°	114.5	113.8	114.5	115.3	115.3
37.5°	87.4	87.4	88.2	88.2	88.9
40°	67.8	67.8	67.8	68.6	69.3
42.5°	53.5	53.5	54.2	54.2	55.0
45°	42.9	42.9	43.7	43.7	43.7
47.5°	34.7	34.7	35.4	35.4	35.4
50°	28.6	28.6	28.6	28.6	28.6
52.5°	24.1	23.4	24.1	24.1	24.1
55°	19.6	20.3	20.3	20.3	20.3
57.5°	16.6	17.3	17.3	17.3	17.3
60°	14.3	14.3	14.3	15.1	15.1
62.5°	12.1	12.8	12.8	12.8	12.8
65°	10.5	10.5	10.5	10.5	10.5
67.5°	9.0	9.0	9.0	9.0	9.8
70°	7.5	7.5	8.3	8.3	8.3
72.5°	6.8	6.8	6.8	6.8	6.8
75°	5.3	5.3	5.3	5.3	5.3
77.5°	3.8	3.8	4.5	4.5	3.8
80°	3.0	3.0	3.0	3.0	3.0
82.5°	2.3	2.3	2.3	2.3	2.3
85°	0.8	0.8	0.8	0.8	0.8
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)