

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: P1309557

Luminaire Tested: LDSQA3D20R309030D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309557
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R309030D010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 90CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

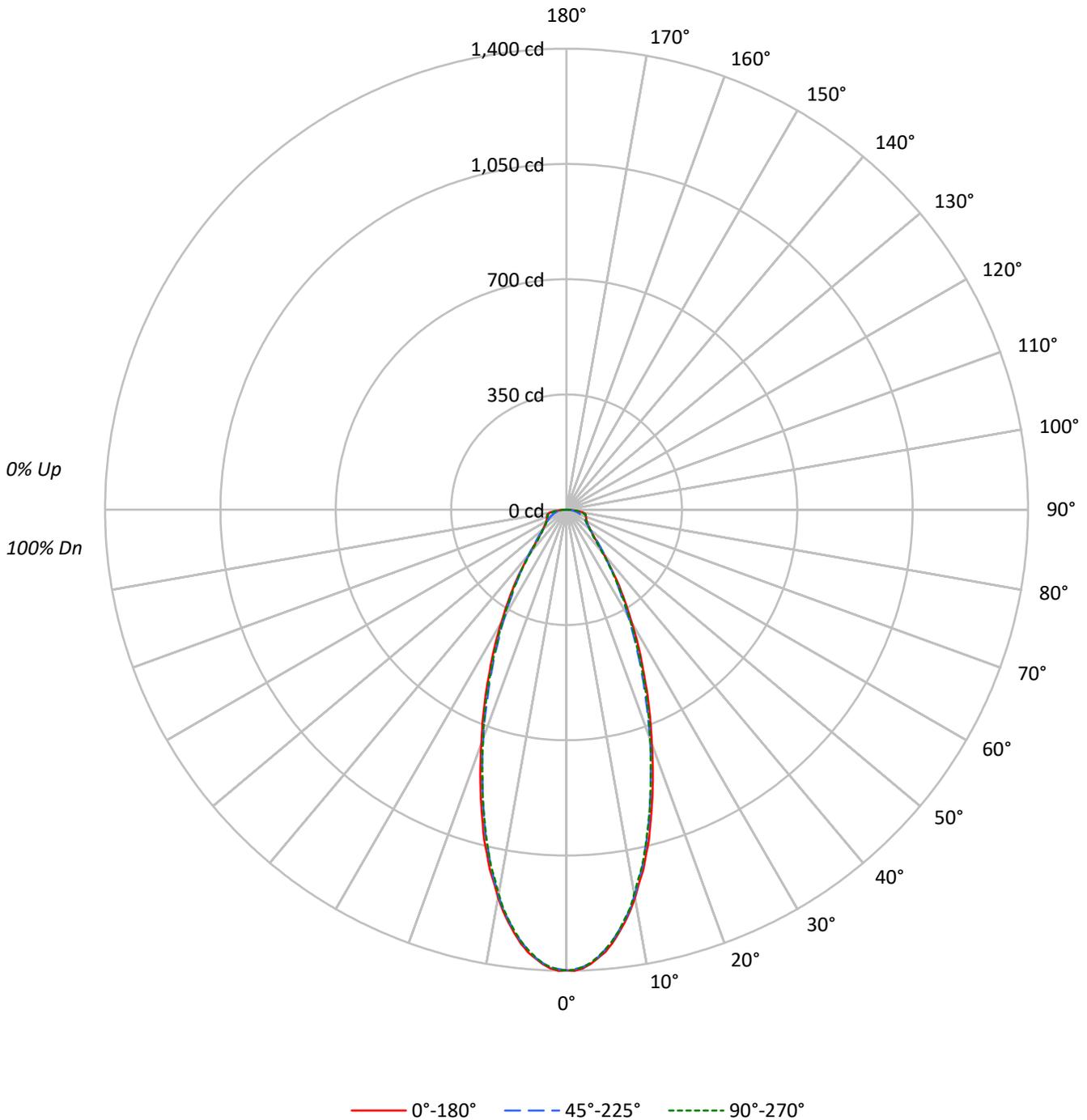
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1103.0 lumens
Efficiency: N/A
Efficacy: 38.3 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.66 / 0.7
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
Input Voltage (V): NR
Input Current (A_{in}): 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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	91	91	91	89
2	104	98	92	88	102	96	91	87	92	88	85	89	86	83	86	84	81	81	81	81	79
3	97	89	83	78	95	88	82	77	85	80	76	83	78	75	80	77	74	74	74	74	72
4	92	82	76	70	90	81	75	70	79	73	69	77	72	68	75	71	67	67	67	67	66
5	86	76	69	64	85	75	69	64	74	68	63	72	67	63	70	66	62	62	62	62	61
6	82	71	64	59	80	70	64	59	69	63	59	67	62	58	66	61	58	58	58	58	56
7	77	67	60	55	76	66	60	55	65	59	55	63	58	54	62	57	54	54	54	54	52
8	74	63	56	51	72	62	56	51	61	55	51	60	55	51	59	54	51	51	51	51	49
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	48	48	48	46
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	45	45	45	43

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	240888	240888	240888
5°	233043	231885	231885
10°	209156	207967	207092
15°	175303	172592	172289
20°	138391	135606	135606
25°	105940	101759	103679
30°	78612	74575	76265
35°	56829	54348	54685
40°	39119	39883	37972
45°	29203	30445	27985
50°	25346	24891	24891
55°	23841	22820	23330
60°	24421	22699	23870
65°	26855	22699	26162
70°	31472	22962	30616
75°	40457	24754	39326
80°	50284	26778	46912
85°	40113	26676	36754

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 50284 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.3	11.2
10°-20°	268.2	24.3
20°-30°	249.9	22.7
30°-40°	165.8	15.0
40°-50°	96.5	8.8
50°-60°	70.3	6.4
60°-70°	59.4	5.4
70°-80°	49.2	4.5
80°-90°	20.5	1.9
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°	641.4	58.2
0°-40°	807.2	73.2
0°-60°	974.0	88.3
0°-90°	1103.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1103.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1399	1399	1399	1399	1399	
5°	1348	1346	1341	1341	1341	124
15°	983	973	968	966	966	272
25°	558	547	536	537	546	257
35°	270	265	258	260	260	170
45°	120	122	125	118	115	96
55°	79	78	76	78	78	72
65°	66	59	56	59	64	66
75°	61	46	37	46	59	62
85°	20	24	14	22	19	23
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1398.7	1398.7	1398.7	1398.7	1398.7
1°	1400.4	1398.7	1395.3	1397.0	1397.0
2°	1393.7	1392.0	1390.3	1390.3	1390.3
3°	1381.8	1380.1	1378.4	1378.4	1378.4
4°	1364.9	1363.2	1363.2	1361.6	1361.6
5°	1348.0	1346.4	1341.3	1341.3	1341.3
6°	1324.4	1322.7	1319.3	1317.6	1317.6
7°	1295.7	1295.7	1290.6	1288.9	1290.6
8°	1265.3	1263.6	1260.2	1258.5	1258.5
9°	1233.2	1228.1	1228.1	1223.0	1226.4
10°	1196.0	1192.6	1189.2	1185.9	1184.2
11°	1153.8	1152.1	1147.0	1143.6	1141.9
12°	1118.3	1109.9	1106.5	1101.4	1104.8
13°	1072.7	1067.6	1059.2	1057.5	1059.2
14°	1033.8	1023.7	1016.9	1013.6	1011.9
15°	983.2	973.0	968.0	966.3	966.3
17.5°	870.0	863.2	849.7	849.7	849.7
20°	755.1	748.3	739.9	738.2	739.9
22.5°	655.4	643.6	630.1	631.8	641.9
25°	557.5	547.3	535.5	537.2	545.6
27.5°	474.7	461.2	449.3	452.7	457.8
30°	395.3	386.8	375.0	378.4	383.5
32.5°	327.7	322.7	309.1	312.5	317.6
35°	270.3	265.2	258.5	260.1	260.1
37.5°	216.2	216.2	214.5	212.8	211.2
40°	174.0	177.4	177.4	172.3	168.9
42.5°	141.9	145.3	148.7	141.9	136.8
45°	119.9	121.6	125.0	118.2	114.9
47.5°	104.7	104.7	108.1	103.0	101.4
50°	94.6	94.6	92.9	91.2	92.9
52.5°	86.2	84.5	82.8	84.5	84.5
55°	79.4	77.7	76.0	77.7	77.7
57.5°	74.3	72.6	70.9	70.9	72.6
60°	70.9	67.6	65.9	67.6	69.3
62.5°	67.6	62.5	60.8	62.5	65.9
65°	65.9	59.1	55.7	59.1	64.2
67.5°	64.2	55.7	50.7	55.7	62.5
70°	62.5	52.4	45.6	52.4	60.8
72.5°	60.8	49.0	42.2	49.0	60.8
75°	60.8	45.6	37.2	45.6	59.1
77.5°	57.4	42.2	32.1	42.2	55.7
80°	50.7	38.9	27.0	37.2	47.3
82.5°	37.2	33.8	20.3	32.1	35.5
85°	20.3	23.6	13.5	22.0	18.6
87.5°	3.4	5.1	3.4	10.1	6.8



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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)