

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: P1323618

Luminaire Tested: LDSQA3D05R309030D2WDE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323618
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: LDSQA3D05R309030D2WDE010 3LSQPHRL1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R30 optic, 3000K CCT AND, 90CRI ,
3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

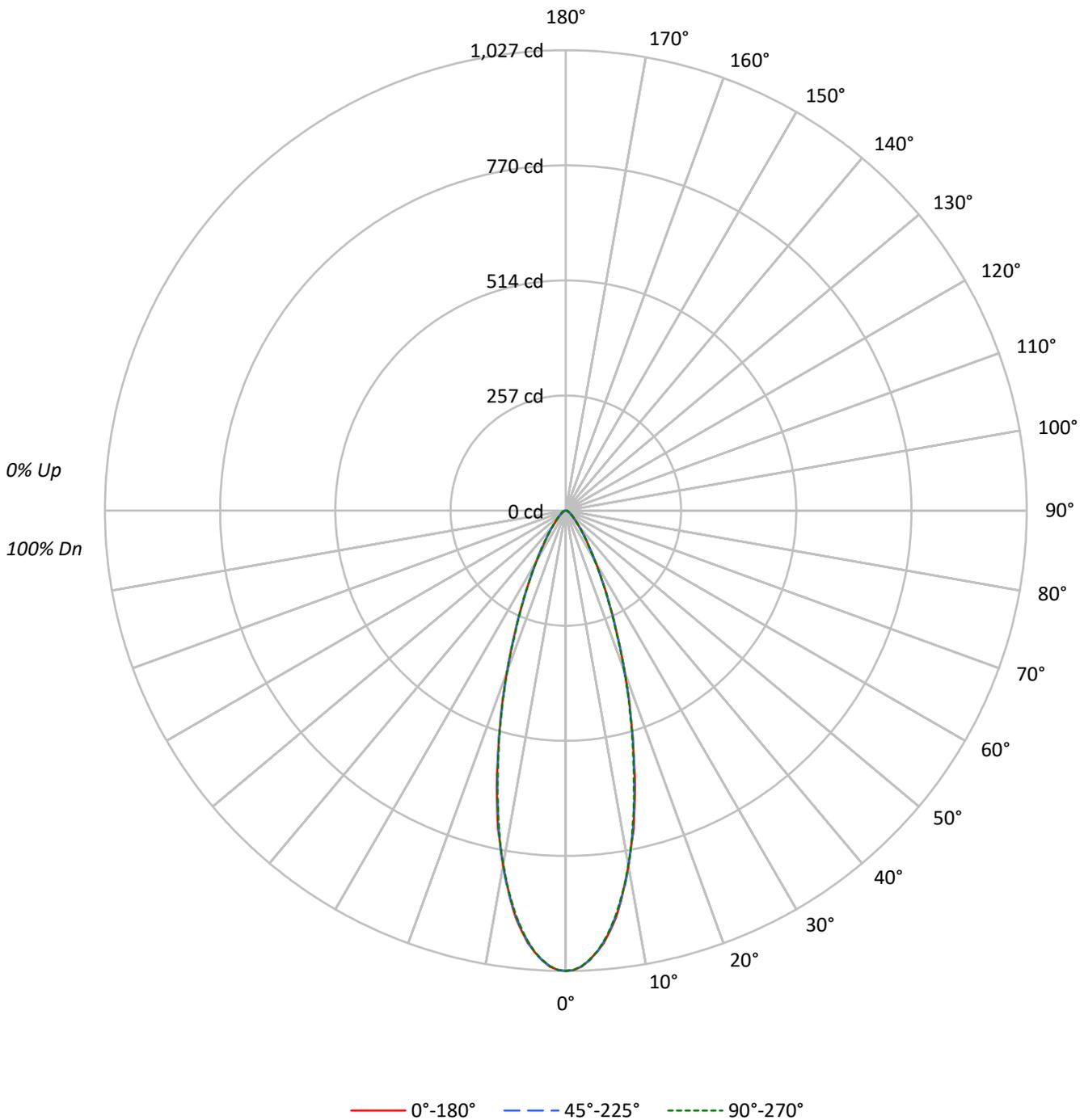
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 451.0 lumens
Efficiency: N/A
Efficacy: 40.6 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	0
RW	70	50	30	10	70	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	100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78
5	94	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	66
8	83	75	69	65	82	74	69	65	73	68	65	72	68	65	71	67	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	176855	176855	176855
5°	167435	167020	166933
10°	140673	140673	140148
15°	104804	104536	103912
20°	70140	69773	69865
25°	43231	43136	43326
30°	25992	25992	26091
35°	15937	15937	16042
40°	10094	10094	10319
45°	6917	7039	7039
50°	5091	5091	5091
55°	3903	4054	4054
60°	3272	3272	3444
65°	2853	2853	2853
70°	2518	2769	2769
75°	2329	2329	2329
80°	1984	1984	1984
85°	988	988	988

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 7039 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.1	19.3
10°-20°	160.7	35.6
20°-30°	106.9	23.7
30°-40°	49.4	10.9
40°-50°	22.9	5.1
50°-60°	12.3	2.7
60°-70°	7.2	1.6
70°-80°	3.8	0.8
80°-90°	0.8	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°	354.6	78.6
0°-40°	404.0	89.6
0°-60°	439.3	97.4
0°-90°	451.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	451.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1027	1027	1027	1027	1027	
5°	968	967	966	968	966	87
15°	588	590	586	586	583	161
25°	228	227	227	227	228	107
35°	76	75	76	76	76	49
45°	28	28	29	29	29	23
55°	13	14	14	14	14	12
65°	7	7	7	7	7	7
75°	4	4	4	4	4	4
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1026.9	1026.9	1026.9	1026.9	1026.9
1°	1024.9	1023.9	1024.9	1026.4	1024.4
2°	1017.9	1016.9	1016.9	1018.9	1016.9
3°	1004.5	1005.5	1005.0	1007.0	1003.5
4°	987.5	987.0	989.0	990.0	987.0
5°	968.5	966.6	966.1	968.5	965.6
6°	942.6	941.1	940.1	943.1	939.1
7°	914.7	913.7	912.2	913.2	910.2
8°	880.2	879.7	878.7	879.7	876.2
9°	841.8	841.8	843.8	843.3	841.3
10°	804.4	805.4	804.4	805.4	801.4
11°	762.5	762.5	763.5	763.0	763.5
12°	726.0	722.0	721.0	720.0	717.1
13°	679.1	676.1	675.1	676.1	674.6
14°	636.2	634.2	629.2	630.2	628.2
15°	587.8	589.8	586.3	586.3	582.8
17.5°	480.5	478.5	479.5	480.0	478.5
20°	382.7	381.7	380.7	379.7	381.2
22.5°	297.4	297.9	296.9	295.9	294.9
25°	227.5	227.0	227.0	227.0	228.0
27.5°	172.7	172.7	172.7	173.2	173.2
30°	130.7	129.7	130.7	131.2	131.2
32.5°	97.8	98.8	99.3	99.3	99.3
35°	75.8	75.3	75.8	76.3	76.3
37.5°	57.9	57.9	58.4	58.4	58.9
40°	44.9	44.9	44.9	45.4	45.9
42.5°	35.4	35.4	35.9	35.9	36.4
45°	28.4	28.4	28.9	28.9	28.9
47.5°	23.0	23.0	23.5	23.5	23.5
50°	19.0	19.0	19.0	19.0	19.0
52.5°	16.0	15.5	16.0	16.0	16.0
55°	13.0	13.5	13.5	13.5	13.5
57.5°	11.0	11.5	11.5	11.5	11.5
60°	9.5	9.5	9.5	10.0	10.0
62.5°	8.0	8.5	8.5	8.5	8.5
65°	7.0	7.0	7.0	7.0	7.0
67.5°	6.0	6.0	6.0	6.0	6.5
70°	5.0	5.0	5.5	5.5	5.5
72.5°	4.5	4.5	4.5	4.5	4.5
75°	3.5	3.5	3.5	3.5	3.5
77.5°	2.5	2.5	3.0	3.0	2.5
80°	2.0	2.0	2.0	2.0	2.0
82.5°	1.5	1.5	1.5	1.5	1.5
85°	0.5	0.5	0.5	0.5	0.5
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)