

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: P1323664

Luminaire Tested: LDSQA3D05R509030D2WDE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1323664
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R509030D2WDE010 3LSQCDR1MW
Description: 3in Adjustable Dim to Warm LED luminaire with, R50 optic, 3000K CCT AND, 90CRI ,
3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

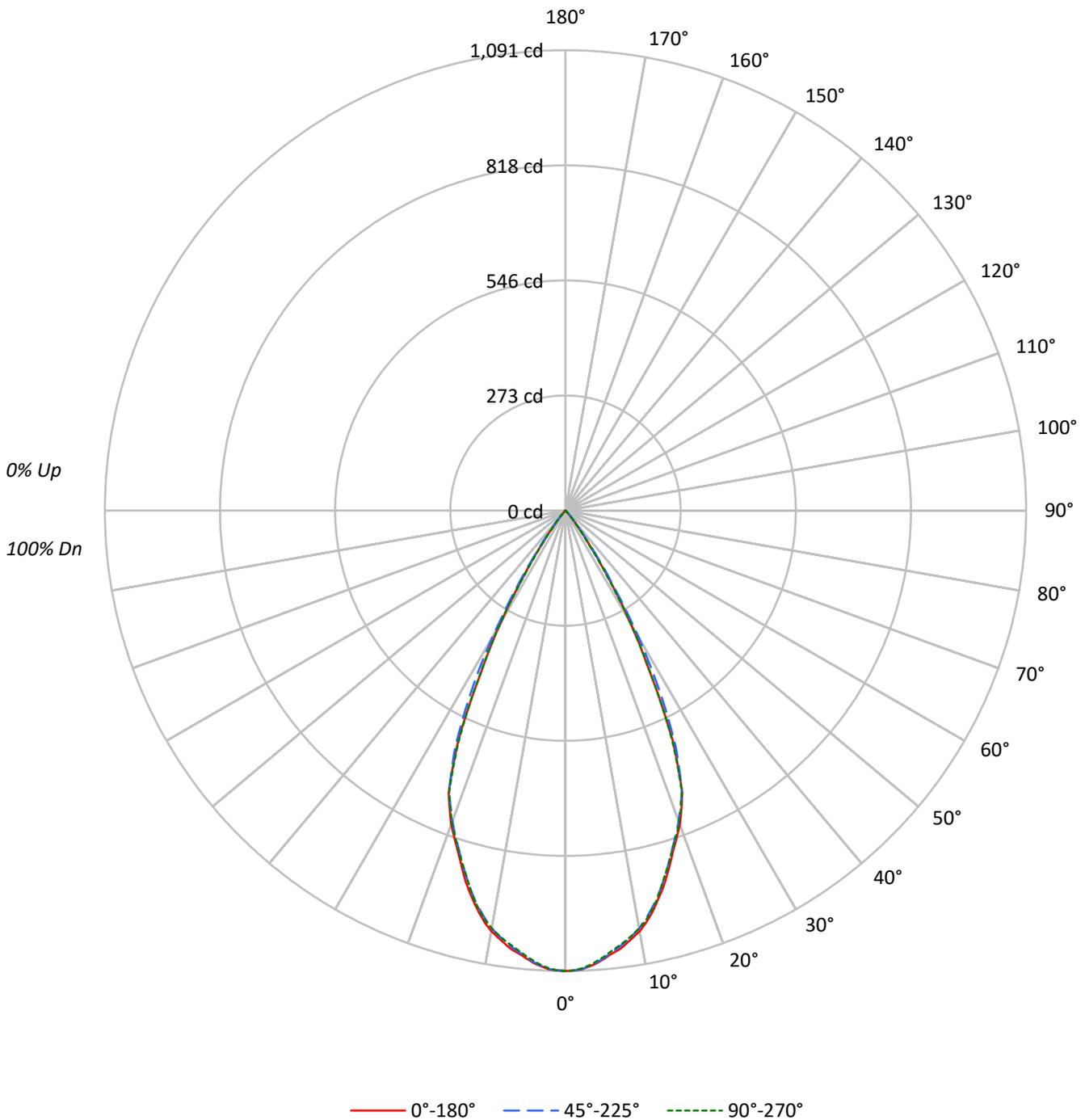
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 703.0 lumens
Efficiency: N/A
Efficacy: 63.3 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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

TEST NUMBER: P1323664
CATALOG NUMBER: LDSQA3D05R509030D2WDE010 3LSQCDR1MW

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	114	112	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	187878	187878	187878
5°	184187	183841	183322
10°	176978	175754	175841
15°	162465	160950	160771
20°	145136	143596	144329
25°	114073	117398	113123
30°	61032	68370	61231
35°	19931	23295	18775
40°	4946	6160	4721
45°	609	2192	609
50°	402	670	402
55°	450	450	450
60°	344	344	344
65°	408	408	408
70°	252	252	252
75°	333	333	333
80°	496	496	496
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2192 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.7	14.2
10°-20°	252.3	35.9
20°-30°	265.3	37.7
30°-40°	76.5	10.9
40°-50°	6.2	0.9
50°-60°	1.3	0.2
60°-70°	1.0	0.1
70°-80°	0.5	0.1
80°-90°	0.1	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°	617.4	87.8
0°-40°	693.8	98.7
0°-60°	701.4	99.8
0°-90°	703.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	703.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1091	1091	1091	1091	1091	
5°	1065	1065	1063	1064	1060	100
15°	911	905	903	903	902	254
25°	600	615	618	611	595	260
35°	95	98	111	95	89	73
45°	2	5	9	5	2	5
55°	2	2	2	2	2	1
65°	1	1	1	1	1	1
75°	0	0	0	0	0	1
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°	1090.9	1090.9	1090.9	1090.9	1090.9
1°	1090.4	1091.4	1089.4	1092.9	1089.9
2°	1087.9	1088.4	1087.4	1089.9	1085.9
3°	1081.9	1082.9	1080.9	1082.9	1079.4
4°	1074.9	1074.9	1072.9	1074.4	1069.9
5°	1065.4	1064.9	1063.4	1064.4	1060.4
6°	1055.4	1054.9	1052.4	1052.4	1049.4
7°	1047.9	1044.5	1042.5	1042.0	1039.0
8°	1036.0	1035.0	1031.0	1031.0	1029.0
9°	1024.0	1023.0	1018.5	1019.5	1018.0
10°	1012.0	1008.5	1005.0	1005.5	1005.5
11°	996.0	993.1	988.1	990.1	991.1
12°	977.1	973.6	969.1	973.1	972.6
13°	956.1	953.1	949.6	952.6	951.6
14°	934.2	929.7	926.7	928.7	927.7
15°	911.2	905.2	902.7	902.7	901.7
17.5°	846.8	843.3	840.9	839.4	842.8
20°	791.9	789.0	783.5	785.0	787.5
22.5°	723.1	722.6	719.6	717.1	720.1
25°	600.3	615.3	617.8	610.8	595.3
27.5°	436.1	471.1	483.6	467.1	438.6
30°	306.9	323.4	343.8	311.4	307.9
32.5°	185.1	189.6	208.6	186.1	181.1
35°	94.8	98.3	110.8	94.8	89.3
37.5°	44.4	46.4	51.4	44.4	41.4
40°	22.0	24.5	27.4	23.0	21.0
42.5°	9.5	12.5	16.0	12.0	8.5
45°	2.5	5.0	9.0	5.0	2.5
47.5°	1.5	2.0	5.0	2.0	1.5
50°	1.5	1.5	2.5	1.5	1.5
52.5°	1.5	1.5	1.5	1.5	1.5
55°	1.5	1.5	1.5	1.5	1.5
57.5°	1.5	1.5	1.5	1.5	1.5
60°	1.0	1.5	1.0	1.5	1.0
62.5°	1.0	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0	1.0
70°	0.5	0.5	0.5	0.5	0.5
72.5°	0.5	0.5	0.5	0.5	0.5
75°	0.5	0.5	0.5	0.5	0.5
77.5°	0.5	0.5	0.5	0.5	0.5
80°	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.5	0.0	0.5	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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CATALOG NUMBER: LDSQA3D05R509030D2WDE010 3LSQCDR1MW

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)