

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: P1312297

Luminaire Tested: LDSQA3D05R509050DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312297
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: LDSQA3D05R509050DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 5000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

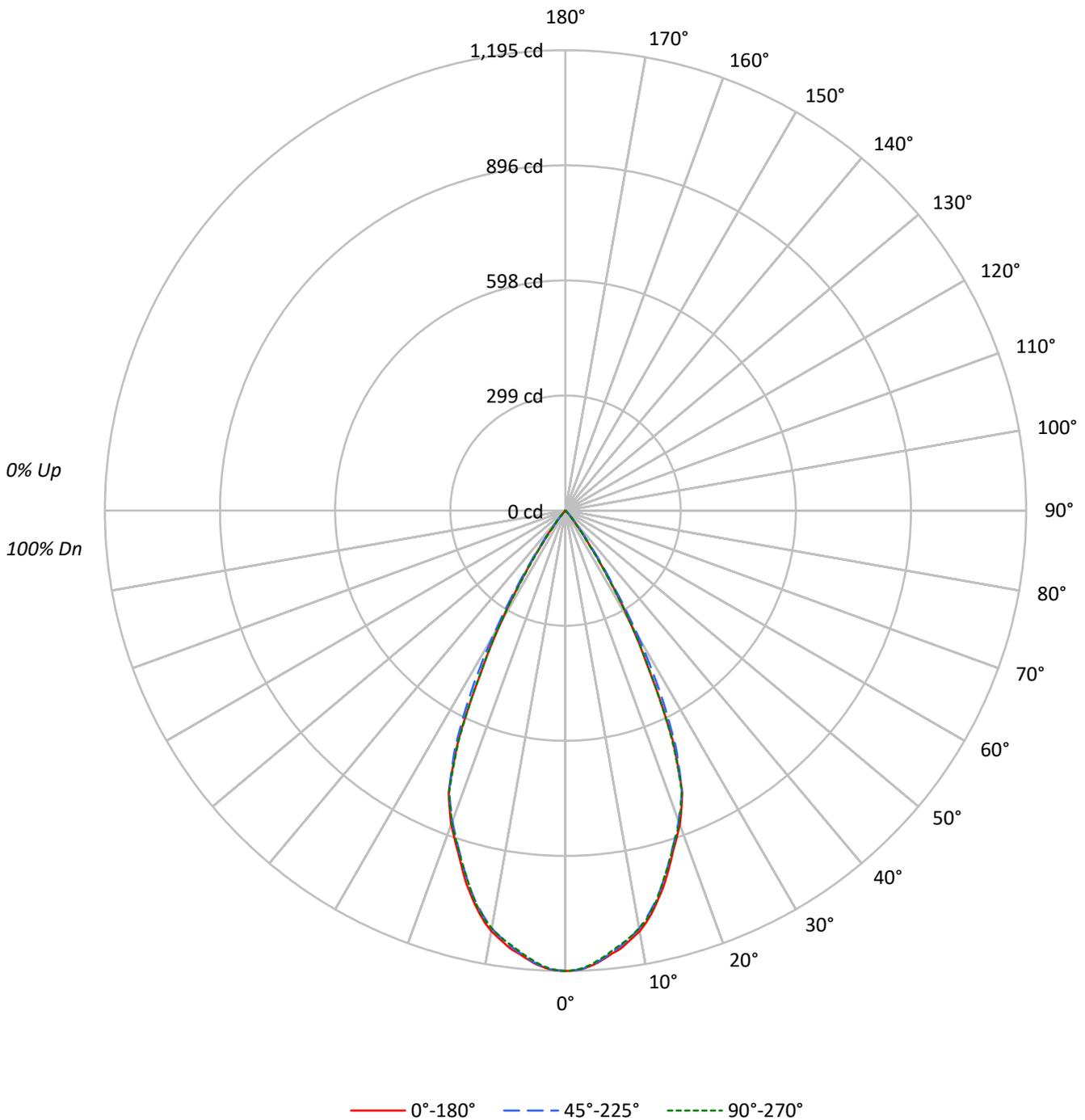
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 769.9 lumens
Efficiency: N/A
Efficacy: 106.9 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): 7.2
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

TEST NUMBER: P1312297
CATALOG NUMBER: LDSQA3D05R509050DE010 3LSQCDR1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1312297

CATALOG NUMBER: LDSQA3D05R509050DE010 3LSQCDR1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	80	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	71	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°	205772	205772	205772
5°	201752	201371	200801
10°	193854	192507	192612
15°	177959	176301	176105
20°	158973	157269	158075
25°	124943	128591	123916
30°	66839	74893	67057
35°	21844	25503	20562
40°	5396	6767	5171
45°	658	2387	658
50°	429	723	429
55°	480	480	480
60°	379	379	379
65°	448	448	448
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: 2387 cd/sqm



TEST NUMBER: P1312297

CATALOG NUMBER: LDSQA3D05R509050DE010 3LSQCDR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.3	14.2
10°-20°	276.3	35.9
20°-30°	290.6	37.7
30°-40°	83.8	10.9
40°-50°	6.8	0.9
50°-60°	1.4	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°	676.2	87.8
0°-40°	760.0	98.7
0°-60°	768.2	99.8
0°-90°	769.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	769.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1195	1195	1195	1195	1195	
5°	1167	1166	1165	1166	1162	110
15°	998	992	989	989	988	278
25°	658	674	677	669	652	285
35°	104	108	121	104	98	80
45°	3	6	10	6	3	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	



TEST NUMBER: P1312297

CATALOG NUMBER: LDSQA3D05R509050DE010 3LSQCDR1MW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1194.8	1194.8	1194.8	1194.8	1194.8
1°	1194.3	1195.4	1193.2	1197.0	1193.7
2°	1191.5	1192.1	1191.0	1193.7	1189.4
3°	1185.0	1186.1	1183.9	1186.1	1182.3
4°	1177.3	1177.3	1175.2	1176.8	1171.9
5°	1167.0	1166.4	1164.8	1165.9	1161.5
6°	1156.0	1155.5	1152.7	1152.7	1149.5
7°	1147.8	1144.0	1141.8	1141.3	1138.0
8°	1134.7	1133.6	1129.2	1129.2	1127.1
9°	1121.6	1120.5	1115.6	1116.7	1115.0
10°	1108.5	1104.6	1100.8	1101.4	1101.4
11°	1091.0	1087.7	1082.2	1084.4	1085.5
12°	1070.2	1066.4	1061.5	1065.8	1065.3
13°	1047.3	1044.0	1040.1	1043.4	1042.3
14°	1023.2	1018.3	1015.0	1017.2	1016.1
15°	998.1	991.5	988.8	988.8	987.7
17.5°	927.6	923.7	921.0	919.4	923.2
20°	867.4	864.1	858.1	859.8	862.5
22.5°	792.0	791.5	788.2	785.4	788.7
25°	657.5	673.9	676.7	669.0	652.1
27.5°	477.7	516.0	529.6	511.6	480.4
30°	336.1	354.2	376.6	341.1	337.2
32.5°	202.8	207.7	228.5	203.9	198.4
35°	103.9	107.7	121.3	103.9	97.8
37.5°	48.6	50.8	56.3	48.6	45.4
40°	24.0	26.8	30.1	25.1	23.0
42.5°	10.4	13.7	17.5	13.1	9.3
45°	2.7	5.5	9.8	5.5	2.7
47.5°	1.6	2.2	5.5	2.2	1.6
50°	1.6	1.6	2.7	1.6	1.6
52.5°	1.6	1.6	1.6	1.6	1.6
55°	1.6	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6	1.6
60°	1.1	1.6	1.1	1.6	1.1
62.5°	1.1	1.1	1.1	1.1	1.1
65°	1.1	1.1	1.1	1.1	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
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



TEST NUMBER: P1312297
CATALOG NUMBER: LDSQA3D05R509050DE010 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)