

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: P1316311

Luminaire Tested: LDSQA3D05R459740DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316311
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-44)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R459740DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

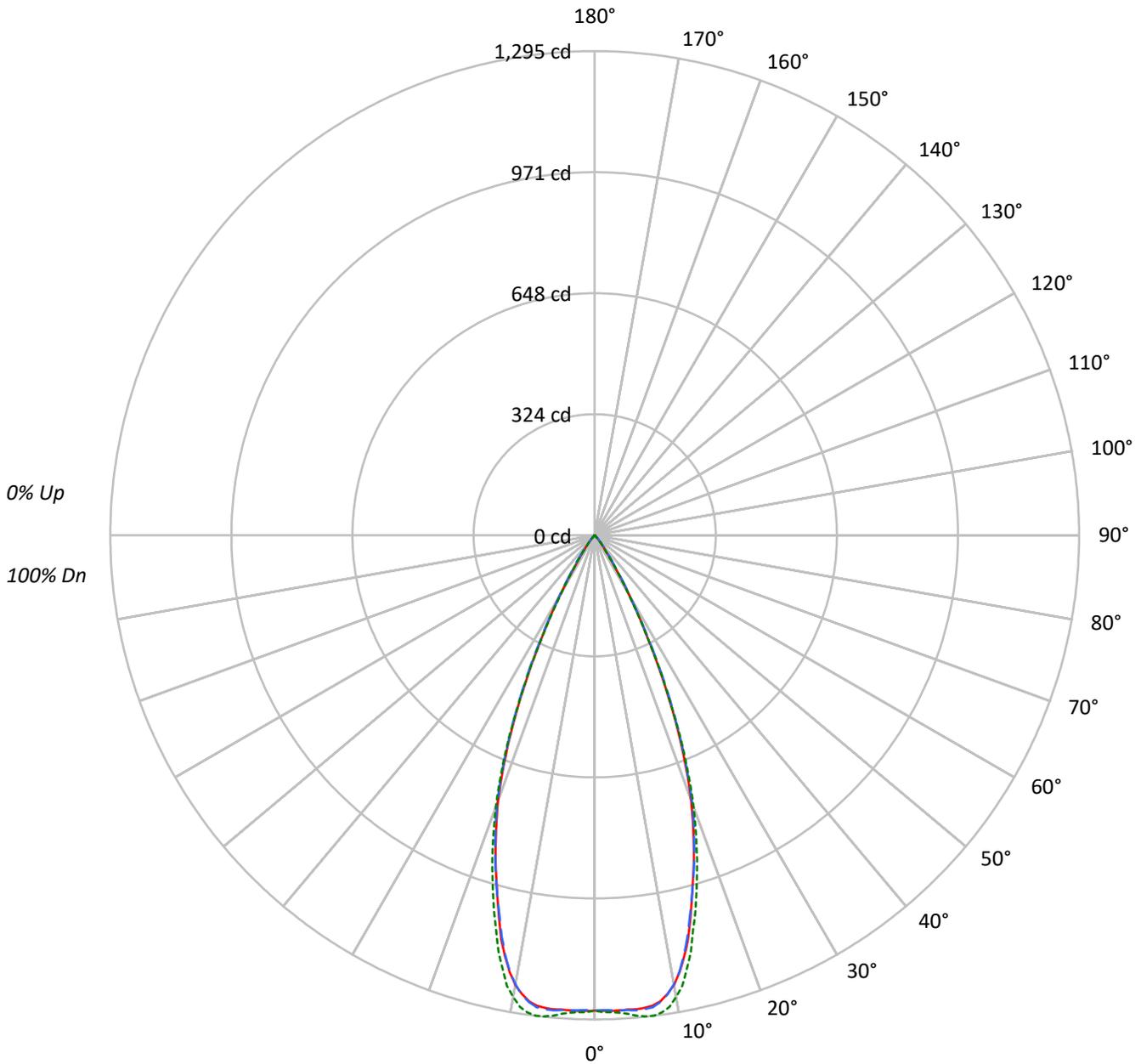
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 658.1 lumens
Efficiency: N/A
Efficacy: 91.4 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.73 / 0.67
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 (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



— 0°-180° - - 45°-225° - - - 90°-270°



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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	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	92	90	88	88	88	88	86
4	101	95	91	87	100	94	90	87	92	88	86	90	87	85	88	86	84	84	84	84	82
5	98	91	86	82	96	90	85	82	88	84	81	86	83	80	85	82	80	80	80	80	79
6	94	86	82	78	93	86	81	78	84	80	77	83	79	77	82	79	76	76	76	76	75
7	90	83	78	74	89	82	77	74	81	77	74	80	76	73	79	75	73	73	73	73	72
8	87	79	74	71	86	79	74	71	78	73	70	77	73	70	76	72	70	70	70	70	69
9	84	76	71	68	83	75	71	68	75	70	67	74	70	67	73	69	67	67	67	67	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	218947	218947	218947
5°	220042	220457	222981
10°	213510	213335	219281
15°	178940	178851	185430
20°	138336	139748	141709
25°	84809	86557	84980
30°	36373	38003	35199
35°	11416	13771	11122
40°	3934	5014	3822
45°	706	2119	585
50°	402	777	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: 2119 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.8	18.4
10°-20°	279.2	42.4
20°-30°	204.4	31.1
30°-40°	45.2	6.9
40°-50°	5.5	0.8
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°	604.5	91.9
0°-40°	649.6	98.7
0°-60°	656.5	99.8
0°-90°	658.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	658.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1271	1271	1271	1271	1271	
5°	1273	1272	1275	1284	1290	120
15°	1004	998	1003	1027	1040	277
25°	446	446	456	452	447	202
35°	54	57	66	57	53	43
45°	3	5	9	5	2	4
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°	1271.3	1271.3	1271.3	1271.3	1271.3
1°	1272.3	1270.4	1269.9	1273.3	1275.7
2°	1273.3	1270.9	1271.3	1274.7	1276.2
3°	1272.3	1269.9	1272.3	1277.2	1279.1
4°	1271.8	1270.9	1273.3	1280.1	1283.5
5°	1272.8	1271.8	1275.2	1284.4	1289.8
6°	1271.3	1269.9	1274.7	1286.4	1294.1
7°	1268.0	1266.5	1271.8	1285.9	1294.6
8°	1258.7	1255.8	1261.2	1278.6	1289.3
9°	1242.2	1238.4	1243.7	1264.1	1276.7
10°	1220.9	1216.5	1219.9	1239.8	1253.9
11°	1190.3	1184.5	1188.4	1209.7	1228.2
12°	1151.5	1143.3	1148.1	1172.4	1185.5
13°	1109.3	1101.6	1102.5	1124.4	1142.8
14°	1056.9	1046.8	1051.1	1073.9	1088.5
15°	1003.6	998.3	1003.1	1027.4	1040.0
17.5°	881.4	880.9	885.2	903.2	910.0
20°	754.8	756.2	762.5	772.2	773.2
22.5°	604.9	605.4	612.1	618.9	617.5
25°	446.3	445.8	455.5	452.1	447.2
27.5°	295.9	297.8	306.6	300.3	295.4
30°	182.9	186.7	191.1	183.4	177.0
32.5°	99.0	105.3	111.6	104.8	98.5
35°	54.3	57.2	65.5	57.2	52.9
37.5°	31.5	33.0	38.3	33.0	30.1
40°	17.5	19.9	22.3	19.9	17.0
42.5°	7.3	11.2	13.6	11.2	7.3
45°	2.9	4.9	8.7	4.9	2.4
47.5°	1.5	1.9	5.3	1.9	1.5
50°	1.5	1.5	2.9	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	1.0	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	1.0	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	0.0	0.0	0.0	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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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)