

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: P1313988

Luminaire Tested: LDSQA3D20R309727D010 3LSQPHRLP1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313988
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: LDSQA3D20R309727D010 3LSQPHRLP1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 97CRI , 3LSQPHRLP1MW TRIM
Light Source: -
Ballast/Driver: -

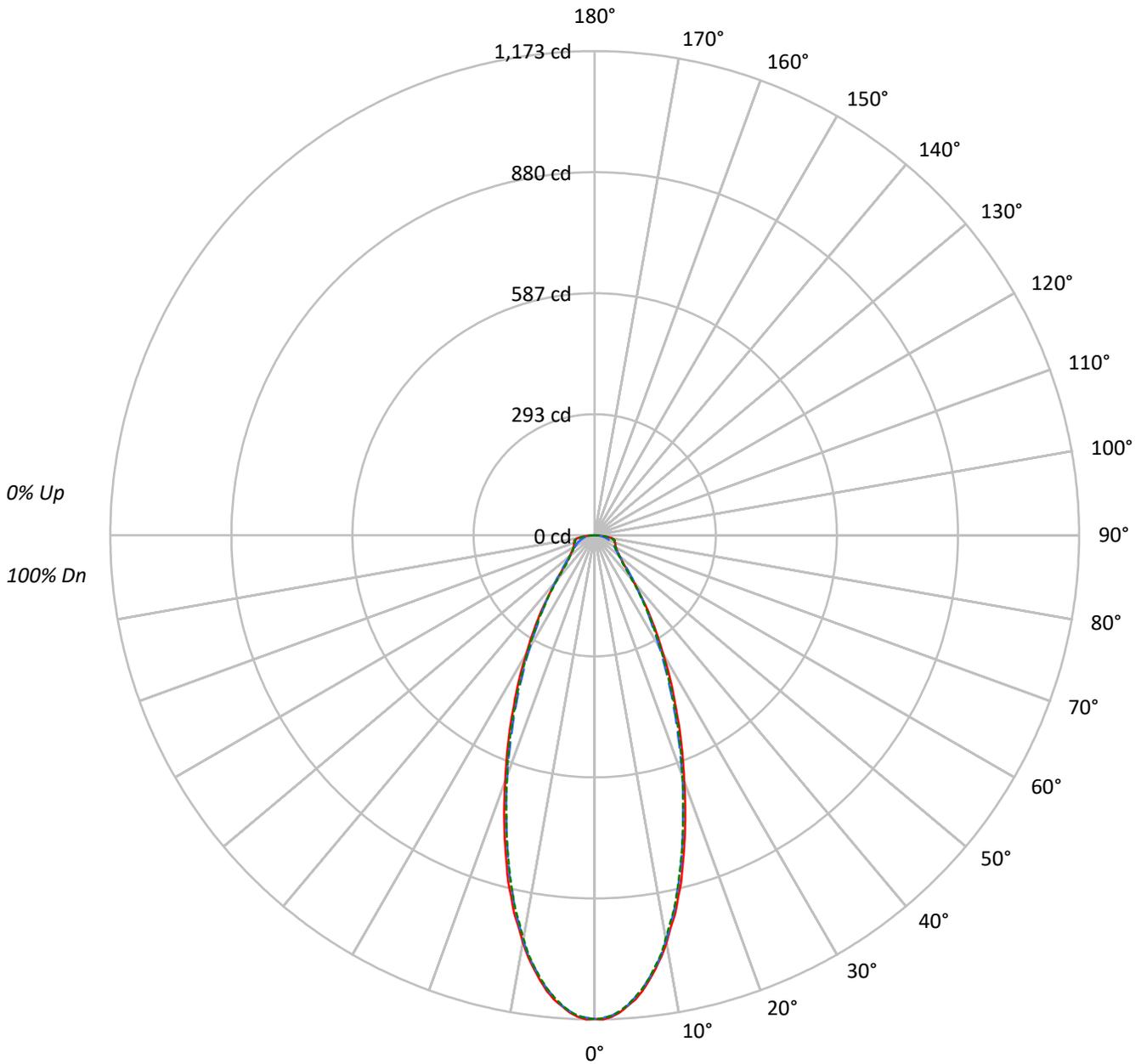
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 924.0 lumens
Efficiency: N/A
Efficacy: 32.1 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



— 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	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°	201793	201793	201793
5°	195234	194249	194249
10°	175212	174232	173480
15°	146846	144582	144332
20°	115940	113594	113594
25°	88742	85246	86861
30°	65844	62484	63876
35°	47599	45518	45812
40°	32779	33408	31812
45°	24478	25501	23430
50°	21220	20845	20845
55°	19967	19127	19547
60°	20460	19013	19978
65°	22495	19031	21924
70°	26386	19235	25630
75°	33870	20694	32938
80°	42151	22414	39275
85°	33593	22329	30826

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 80°
 Luminance: 42151 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.3	11.2
10°-20°	224.7	24.3
20°-30°	209.3	22.7
30°-40°	138.9	15.0
40°-50°	80.9	8.8
50°-60°	58.9	6.4
60°-70°	49.8	5.4
70°-80°	41.2	4.5
80°-90°	17.1	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°	537.3	58.2
0°-40°	676.2	73.2
0°-60°	815.9	88.3
0°-90°	924.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	924.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1172	1172	1172	1172	1172	
5°	1129	1128	1124	1124	1124	104
15°	824	815	811	810	810	228
25°	467	458	449	450	457	215
35°	226	222	216	218	218	142
45°	100	102	105	99	96	81
55°	66	65	64	65	65	60
65°	55	50	47	50	54	55
75°	51	38	31	38	50	52
85°	17	20	11	18	16	20
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1171.7	1171.7	1171.7	1171.7	1171.7
1°	1173.1	1171.7	1168.9	1170.3	1170.3
2°	1167.5	1166.1	1164.7	1164.7	1164.7
3°	1157.6	1156.2	1154.7	1154.7	1154.7
4°	1143.4	1142.0	1142.0	1140.6	1140.6
5°	1129.3	1127.9	1123.6	1123.6	1123.6
6°	1109.5	1108.0	1105.2	1103.8	1103.8
7°	1085.4	1085.4	1081.2	1079.7	1081.2
8°	1059.9	1058.5	1055.7	1054.3	1054.3
9°	1033.0	1028.8	1028.8	1024.6	1027.4
10°	1001.9	999.1	996.3	993.4	992.0
11°	966.5	965.1	960.9	958.0	956.6
12°	936.8	929.7	926.9	922.7	925.5
13°	898.6	894.4	887.3	885.9	887.3
14°	866.1	857.6	851.9	849.1	847.7
15°	823.6	815.1	810.9	809.5	809.5
17.5°	728.8	723.1	711.8	711.8	711.8
20°	632.6	626.9	619.8	618.4	619.8
22.5°	549.1	539.2	527.8	529.3	537.7
25°	467.0	458.5	448.6	450.0	457.1
27.5°	397.7	386.3	376.4	379.3	383.5
30°	331.1	324.1	314.2	317.0	321.2
32.5°	274.5	270.3	259.0	261.8	266.0
35°	226.4	222.2	216.5	217.9	217.9
37.5°	181.1	181.1	179.7	178.3	176.9
40°	145.8	148.6	148.6	144.3	141.5
42.5°	118.9	121.7	124.5	118.9	114.6
45°	100.5	101.9	104.7	99.1	96.2
47.5°	87.7	87.7	90.6	86.3	84.9
50°	79.2	79.2	77.8	76.4	77.8
52.5°	72.2	70.8	69.3	70.8	70.8
55°	66.5	65.1	63.7	65.1	65.1
57.5°	62.3	60.9	59.4	59.4	60.9
60°	59.4	56.6	55.2	56.6	58.0
62.5°	56.6	52.4	50.9	52.4	55.2
65°	55.2	49.5	46.7	49.5	53.8
67.5°	53.8	46.7	42.5	46.7	52.4
70°	52.4	43.9	38.2	43.9	50.9
72.5°	50.9	41.0	35.4	41.0	50.9
75°	50.9	38.2	31.1	38.2	49.5
77.5°	48.1	35.4	26.9	35.4	46.7
80°	42.5	32.5	22.6	31.1	39.6
82.5°	31.1	28.3	17.0	26.9	29.7
85°	17.0	19.8	11.3	18.4	15.6
87.5°	2.8	4.2	2.8	8.5	5.7



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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)