

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: P1309329

Luminaire Tested: LDSQA3D13R709030DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309329
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-43)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R709030DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

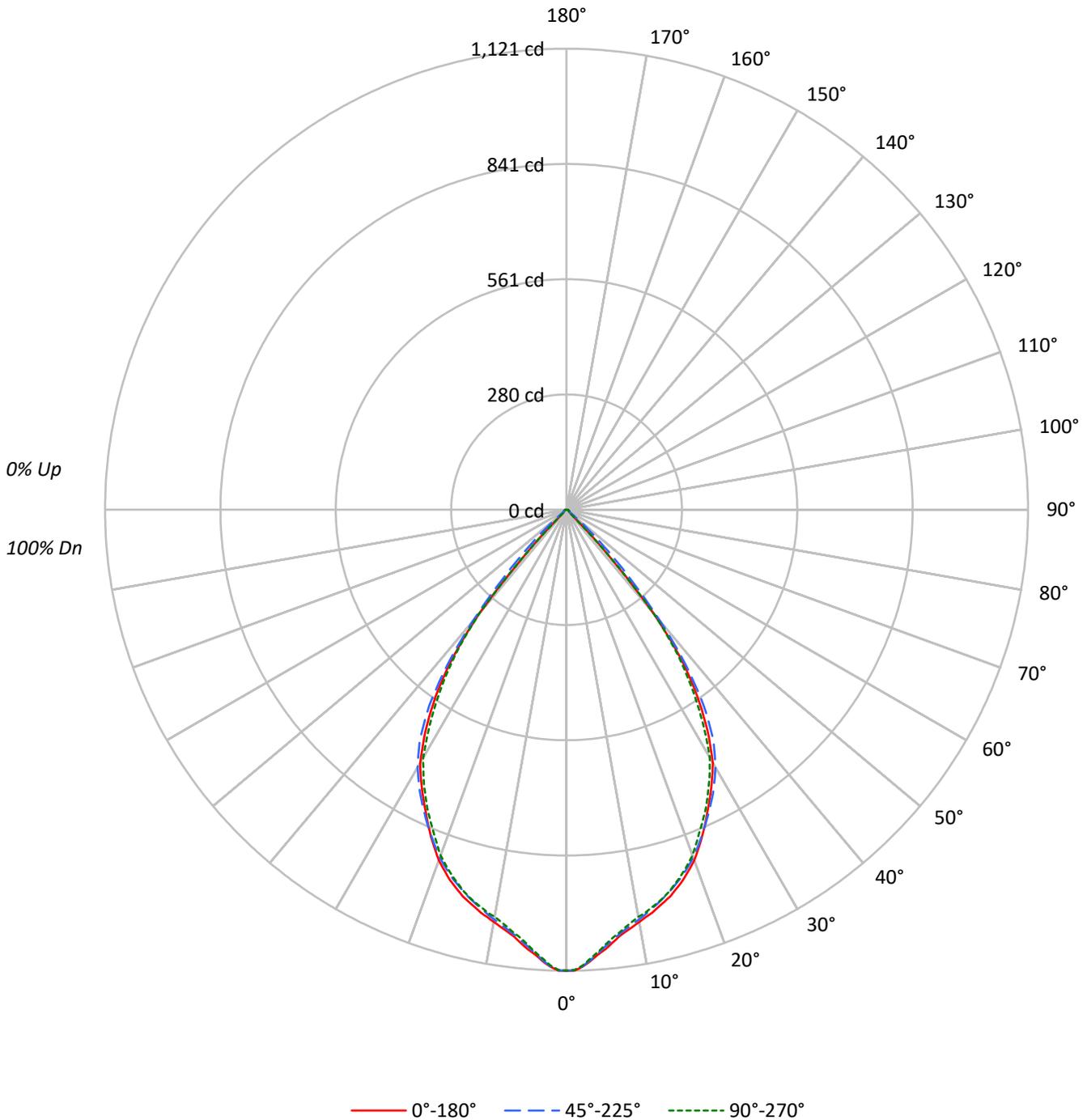
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1195.0 lumens
Efficiency: N/A
Efficacy: 81.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.98 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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





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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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	95	95	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	87	87	87	86
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	80	80	80	79
4	96	88	82	77	94	87	81	77	84	80	76	82	78	75	81	77	74	74	74	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	69	76	72	69	69	69	69	67
6	86	76	70	65	84	75	69	65	74	69	65	72	68	64	71	67	64	64	64	64	62
7	81	71	65	60	80	70	64	60	69	64	60	68	63	59	67	62	59	59	59	59	58
8	77	67	60	56	75	66	60	56	65	59	56	64	59	55	63	58	55	55	55	55	54
9	73	62	56	52	72	62	56	52	61	56	52	60	55	52	59	55	51	51	51	51	50
10	69	59	53	48	68	58	52	48	57	52	48	57	52	48	56	51	48	48	48	48	47

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	193010	193010	193010
5°	185535	184515	183841
10°	177992	176978	175789
15°	173502	171594	171434
20°	166249	165003	163940
25°	153922	155024	152078
30°	141374	143879	138470
35°	116581	122110	112103
40°	74236	79924	74236
45°	5212	34537	5675
50°	2331	7020	2331
55°	2612	2612	2612
60°	2687	2687	2687
65°	2364	2771	2364
70°	2467	2921	2467
75°	2595	2595	2595
80°	2876	2876	2876
85°	1976	3754	1976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 34537 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.0	8.4
10°-20°	270.8	22.7
20°-30°	372.2	31.1
30°-40°	340.9	28.5
40°-50°	90.5	7.6
50°-60°	8.1	0.7
60°-70°	6.6	0.6
70°-80°	4.4	0.4
80°-90°	1.6	0.1
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°	743.0	62.2
0°-40°	1083.8	90.7
0°-60°	1182.4	98.9
0°-90°	1195.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1195.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1121	1121	1121	1121	1121	
5°	1073	1068	1067	1065	1063	101
15°	973	964	962	962	962	273
25°	810	813	816	806	800	372
35°	554	563	581	554	533	336
45°	21	73	142	74	23	64
55°	9	9	9	9	9	7
65°	6	7	7	7	6	6
75°	4	4	4	4	4	4
85°	1	2	2	2	1	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1120.7	1120.7	1120.7	1120.7	1120.7
1°	1120.7	1118.8	1120.7	1120.7	1118.8
2°	1112.0	1110.1	1111.0	1110.1	1109.1
3°	1099.4	1096.5	1097.4	1095.5	1093.5
4°	1084.8	1081.9	1081.9	1080.9	1079.0
5°	1073.2	1068.3	1067.3	1065.4	1063.4
6°	1059.6	1054.7	1053.7	1050.8	1048.9
7°	1046.0	1042.1	1041.1	1037.2	1037.2
8°	1035.3	1030.4	1030.4	1025.6	1025.6
9°	1026.5	1020.7	1020.7	1016.8	1014.9
10°	1017.8	1012.0	1012.0	1007.1	1005.2
11°	1009.1	1004.2	1002.3	999.3	998.4
12°	1001.3	994.5	992.5	991.6	989.6
13°	991.6	984.8	982.8	981.9	980.9
14°	982.8	974.1	973.1	971.2	972.2
15°	973.1	964.4	962.4	962.4	961.5
17.5°	943.0	937.2	934.3	932.3	930.4
20°	907.1	902.2	900.3	896.4	894.5
22.5°	860.5	859.5	858.5	853.7	845.9
25°	810.0	812.9	815.8	806.1	800.3
27.5°	761.4	769.2	772.1	762.4	749.8
30°	710.9	717.7	723.5	709.9	696.3
32.5°	638.1	654.6	663.3	647.8	616.7
35°	554.5	563.3	580.8	554.5	533.2
37.5°	457.4	462.3	475.9	458.4	443.8
40°	330.2	344.8	355.5	344.8	330.2
42.5°	148.6	207.8	235.0	219.5	155.4
45°	21.4	72.8	141.8	73.8	23.3
47.5°	8.7	11.7	73.8	10.7	8.7
50°	8.7	8.7	26.2	8.7	8.7
52.5°	8.7	8.7	9.7	8.7	8.7
55°	8.7	8.7	8.7	8.7	8.7
57.5°	7.8	7.8	8.7	7.8	7.8
60°	7.8	7.8	7.8	7.8	7.8
62.5°	6.8	7.8	7.8	7.8	6.8
65°	5.8	6.8	6.8	6.8	5.8
67.5°	5.8	5.8	5.8	5.8	5.8
70°	4.9	5.8	5.8	5.8	4.9
72.5°	4.9	4.9	4.9	4.9	4.9
75°	3.9	3.9	3.9	3.9	3.9
77.5°	2.9	3.9	3.9	3.9	2.9
80°	2.9	2.9	2.9	2.9	2.9
82.5°	1.9	1.9	1.9	1.9	1.9
85°	1.0	1.9	1.9	1.9	1.0
87.5°	1.0	1.0	1.0	1.0	1.0



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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)