

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: P1308211

Luminaire Tested: LDSQA3D13R709027DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308211
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: LDSQA3D13R709027DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

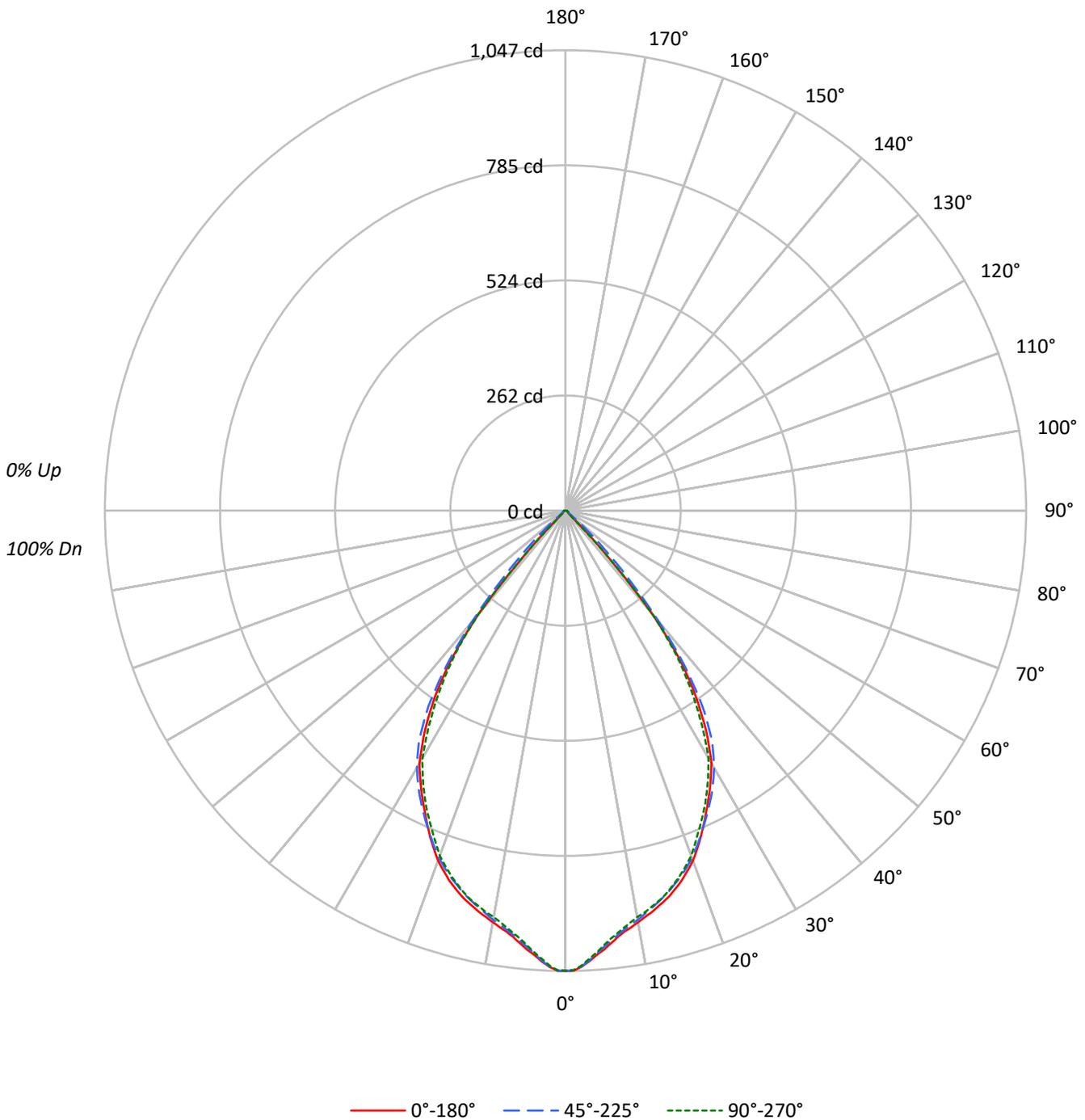
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1116.0 lumens
Efficiency: N/A
Efficacy: 76.4 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°	180248	180248	180248
5°	173261	172327	171688
10°	166223	165279	164159
15°	162037	160254	160094
20°	155253	154098	153090
25°	143736	144781	142007
30°	132027	134373	129322
35°	108886	114037	104681
40°	69335	74640	69335
45°	4871	32247	5310
50°	2197	6564	2197
55°	2462	2462	2462
60°	2514	2514	2514
65°	2201	2567	2201
70°	2266	2719	2266
75°	2396	2396	2396
80°	2678	2678	2678
85°	1778	3557	1778

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 32247 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.4	8.4
10°-20°	252.9	22.7
20°-30°	347.6	31.1
30°-40°	318.4	28.5
40°-50°	84.5	7.6
50°-60°	7.6	0.7
60°-70°	6.1	0.5
70°-80°	4.1	0.4
80°-90°	1.5	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°	693.8	62.2
0°-40°	1012.2	90.7
0°-60°	1104.3	98.9
0°-90°	1116.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1116.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1047	1047	1047	1047	1047	
5°	1002	998	997	995	993	94
15°	909	901	899	899	898	255
25°	756	759	762	753	747	348
35°	518	526	542	518	498	314
45°	20	68	132	69	22	60
55°	8	8	8	8	8	7
65°	5	6	6	6	5	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°	1046.6	1046.6	1046.6	1046.6	1046.6
1°	1046.6	1044.8	1046.6	1046.6	1044.8
2°	1038.5	1036.7	1037.6	1036.7	1035.8
3°	1026.7	1024.0	1024.9	1023.1	1021.3
4°	1013.1	1010.4	1010.4	1009.5	1007.7
5°	1002.2	997.7	996.8	995.0	993.1
6°	989.5	985.0	984.1	981.3	979.5
7°	976.8	973.2	972.3	968.7	968.7
8°	966.8	962.3	962.3	957.8	957.8
9°	958.7	953.2	953.2	949.6	947.8
10°	950.5	945.1	945.1	940.5	938.7
11°	942.3	937.8	936.0	933.3	932.4
12°	935.1	928.7	926.9	926.0	924.2
13°	926.0	919.7	917.9	917.0	916.0
14°	917.9	909.7	908.8	907.0	907.9
15°	908.8	900.6	898.8	898.8	897.9
17.5°	880.7	875.2	872.5	870.7	868.9
20°	847.1	842.6	840.8	837.1	835.3
22.5°	803.6	802.7	801.8	797.2	790.0
25°	756.4	759.1	761.9	752.8	747.3
27.5°	711.1	718.3	721.0	712.0	700.2
30°	663.9	670.3	675.7	663.0	650.3
32.5°	595.9	611.3	619.5	605.0	575.9
35°	517.9	526.0	542.4	517.9	497.9
37.5°	427.2	431.7	444.4	428.1	414.5
40°	308.4	322.0	332.0	322.0	308.4
42.5°	138.8	194.1	219.5	205.0	145.1
45°	20.0	68.0	132.4	68.9	21.8
47.5°	8.2	10.9	68.9	10.0	8.2
50°	8.2	8.2	24.5	8.2	8.2
52.5°	8.2	8.2	9.1	8.2	8.2
55°	8.2	8.2	8.2	8.2	8.2
57.5°	7.3	7.3	8.2	7.3	7.3
60°	7.3	7.3	7.3	7.3	7.3
62.5°	6.3	7.3	7.3	7.3	6.3
65°	5.4	6.3	6.3	6.3	5.4
67.5°	5.4	5.4	5.4	5.4	5.4
70°	4.5	5.4	5.4	5.4	4.5
72.5°	4.5	4.5	4.5	4.5	4.5
75°	3.6	3.6	3.6	3.6	3.6
77.5°	2.7	3.6	3.6	3.6	2.7
80°	2.7	2.7	2.7	2.7	2.7
82.5°	1.8	1.8	1.8	1.8	1.8
85°	0.9	1.8	1.8	1.8	0.9
87.5°	0.9	0.9	0.9	0.9	0.9



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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)