

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: P1316547

Luminaire Tested: LDSQA3D13R159740DE010 3LSQPHR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316547
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R159740DE010 3LSQPHR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQPHR1MMS TRIM
Light Source: -
Ballast/Driver: -

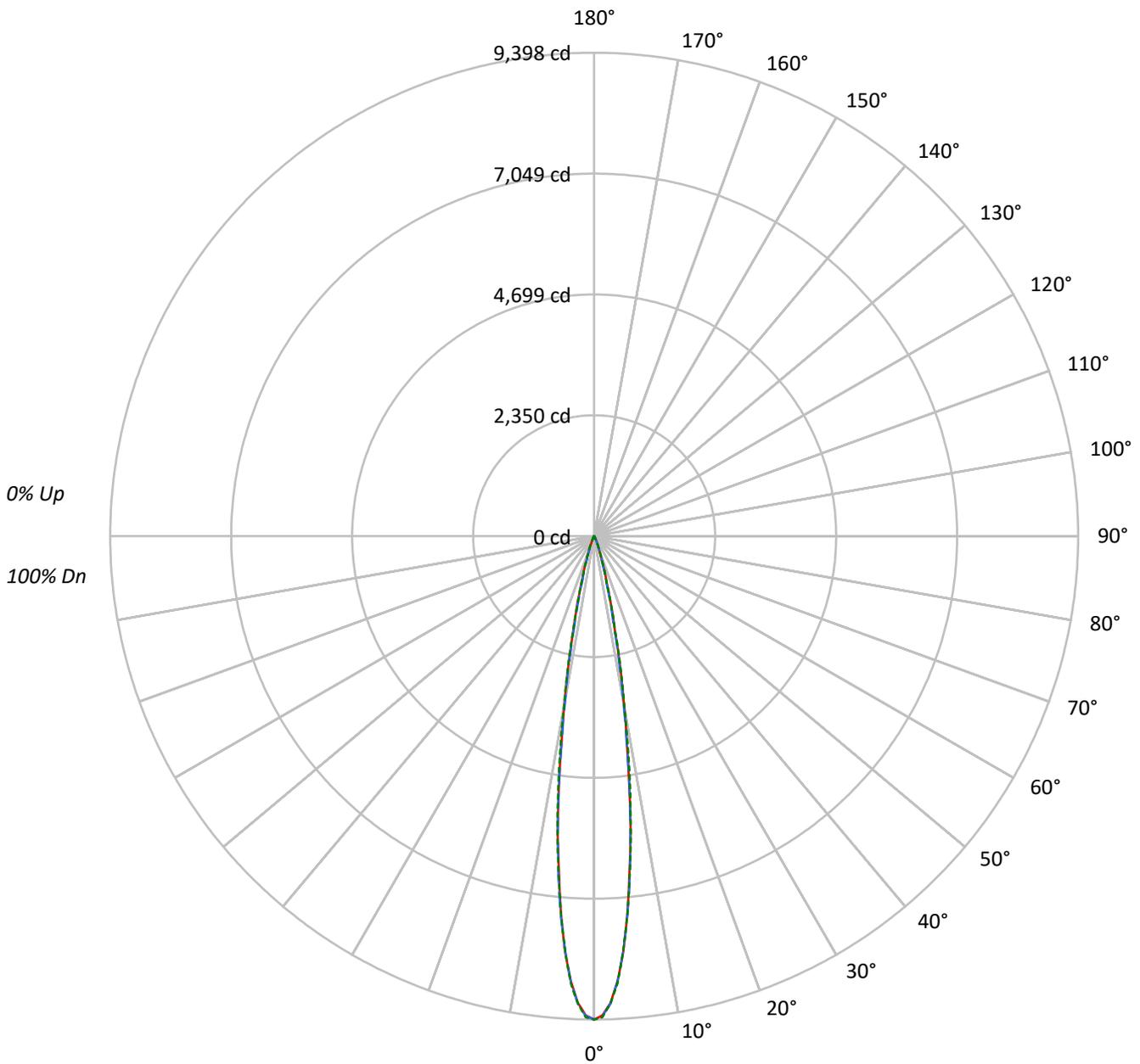
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 941.0 lumens
Efficiency: N/A
Efficacy: 64.5 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
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

TEST NUMBER: P1316547
CATALOG NUMBER: LDSQA3D13R159740DE010 3LSQPHR1MMS

Luminous Intensity Polar Plot



0% Up
100% Dn

— 0°-180° - - 45°-225° - · - · 90°-270°



TEST NUMBER: P1316547

CATALOG NUMBER: LDSQA3D13R159740DE010 3LSQPHR1MMS

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	116	114	112	111	113	112	110	109	108	107	106	104	104	103	101	100	100	100	100	100	98
2	113	110	107	105	111	108	106	104	105	104	102	102	101	100	100	99	98	98	98	98	97
3	110	107	104	101	109	105	103	100	103	101	99	101	99	97	99	97	96	96	96	96	95
4	108	104	100	98	106	103	100	98	101	98	96	99	97	95	97	96	94	94	94	94	93
5	106	101	98	95	104	100	97	95	99	96	94	97	95	94	96	94	93	93	93	93	92
6	104	99	96	93	103	98	95	93	97	94	92	96	94	92	95	93	91	91	91	91	91
7	102	97	94	91	101	96	93	91	95	93	91	94	92	90	94	92	90	90	90	90	89
8	100	95	92	90	99	95	92	90	94	91	89	93	91	89	92	90	89	89	89	89	88
9	98	93	90	88	98	93	90	88	92	90	88	92	89	88	91	89	87	87	87	87	87
10	97	92	89	87	96	92	89	87	91	88	87	90	88	86	90	88	86	86	86	86	86

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1618497	1618497	1618497
5°	1276671	1280094	1275530
10°	584080	568778	596426
15°	173662	155048	170150
20°	51574	50016	54158
25°	14670	18965	16988
30°	5250	5608	5051
35°	1976	1787	1787
40°	854	427	629
45°	463	219	463
50°	241	0	241
55°	270	0	270
60°	0	0	0
65°	0	0	0
70°	0	0	0
75°	0	0	0
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 47.5°

Luminance: 484 cd/sqm



TEST NUMBER: P1316547

CATALOG NUMBER: LDSQA3D13R159740DE010 3LSQPHR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	567.8	60.3
10°-20°	315.2	33.5
20°-30°	50.2	5.3
30°-40°	6.6	0.7
40°-50°	1.0	0.1
50°-60°	0.2	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	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°	933.2	99.2
0°-40°	939.8	99.9
0°-60°	941.0	100.0
0°-90°	941.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	941.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9398	9398	9398	9398	9398	
5°	7385	7447	7404	7373	7378	566
15°	974	962	870	924	954	321
25°	77	87	100	99	89	47
35°	9	9	8	9	8	7
45°	2	1	1	1	2	2
55°	1	0	0	0	1	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



TEST NUMBER: P1316547
 CATALOG NUMBER: LDSQA3D13R159740DE010 3LSQPHR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	9397.7	9397.7	9397.7	9397.7	9397.7	9397.7	9397.7	9397.7	9397.7	9397.7	9397.7
1°	9316.8	9327.1	9340.3	9328.1	9316.8	9327.1	9313.0	9314.9	9303.6	9328.1	9355.4
2°	9079.6	9092.8	9085.3	9068.3	9094.7	9096.6	9067.4	9053.3	9051.4	9075.9	9085.3
3°	8659.9	8690.0	8691.0	8685.3	8676.9	8659.9	8629.8	8649.6	8622.3	8605.3	8701.3
4°	8101.8	8128.2	8159.3	8138.6	8076.4	8082.1	8101.8	8035.0	8038.8	8077.4	8080.2
5°	7384.7	7464.7	7468.5	7439.3	7390.4	7404.5	7390.4	7371.6	7378.1	7402.6	7378.1
6°	6540.6	6630.9	6564.1	6628.1	6614.0	6631.9	6636.6	6616.8	6630.9	6615.9	6611.2
7°	5811.2	5742.5	5751.9	5725.6	5753.8	5772.6	5783.9	5750.1	5777.4	5820.6	5832.9
8°	4906.8	4887.1	4867.3	4914.4	4901.2	4923.8	4937.9	4975.5	4973.7	4986.8	5030.1
9°	4045.7	4074.9	4092.8	4051.4	4087.2	4017.5	4042.0	4142.7	4116.3	4142.7	4219.8
10°	3339.9	3363.5	3337.1	3336.2	3298.5	3252.4	3249.6	3287.2	3366.3	3428.4	3410.5
12.5°	1842.7	1863.4	1866.2	1864.3	1796.5	1720.3	1734.4	1764.5	1813.5	1834.2	1868.1
15°	974.0	973.1	983.4	954.3	918.5	869.6	873.3	914.7	951.4	960.9	954.3
17.5°	499.7	501.6	509.1	501.6	464.0	468.7	479.0	483.7	505.4	513.8	509.1
20°	281.4	282.3	281.4	284.2	269.2	272.9	286.1	287.0	291.7	296.4	295.5
22.5°	160.9	161.9	167.5	165.6	161.9	166.6	169.4	174.1	176.0	174.1	179.7
25°	77.2	78.1	78.1	89.4	95.1	99.8	101.6	99.8	97.9	90.3	89.4
27.5°	44.2	44.2	46.1	47.1	48.9	57.4	56.5	47.1	39.5	39.5	40.5
30°	26.4	25.4	25.4	26.4	27.3	28.2	26.4	25.4	25.4	26.4	25.4
32.5°	16.0	16.0	16.0	15.1	15.1	14.1	14.1	16.0	16.0	16.0	16.0
35°	9.4	9.4	9.4	9.4	8.5	8.5	8.5	9.4	9.4	8.5	8.5
37.5°	5.6	5.6	5.6	4.7	4.7	3.8	4.7	4.7	4.7	4.7	4.7
40°	3.8	3.8	2.8	2.8	1.9	1.9	1.9	2.8	2.8	2.8	2.8
42.5°	2.8	2.8	1.9	1.9	0.9	0.9	0.9	1.9	1.9	1.9	1.9
45°	1.9	1.9	1.9	0.9	0.9	0.9	0.9	0.9	0.9	1.9	1.9
47.5°	1.9	1.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.9	0.9
50°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
52.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
55°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
57.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)