

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: P1316544

Luminaire Tested: LDSQA3D13R159740DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316544
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D13R159740DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R15 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

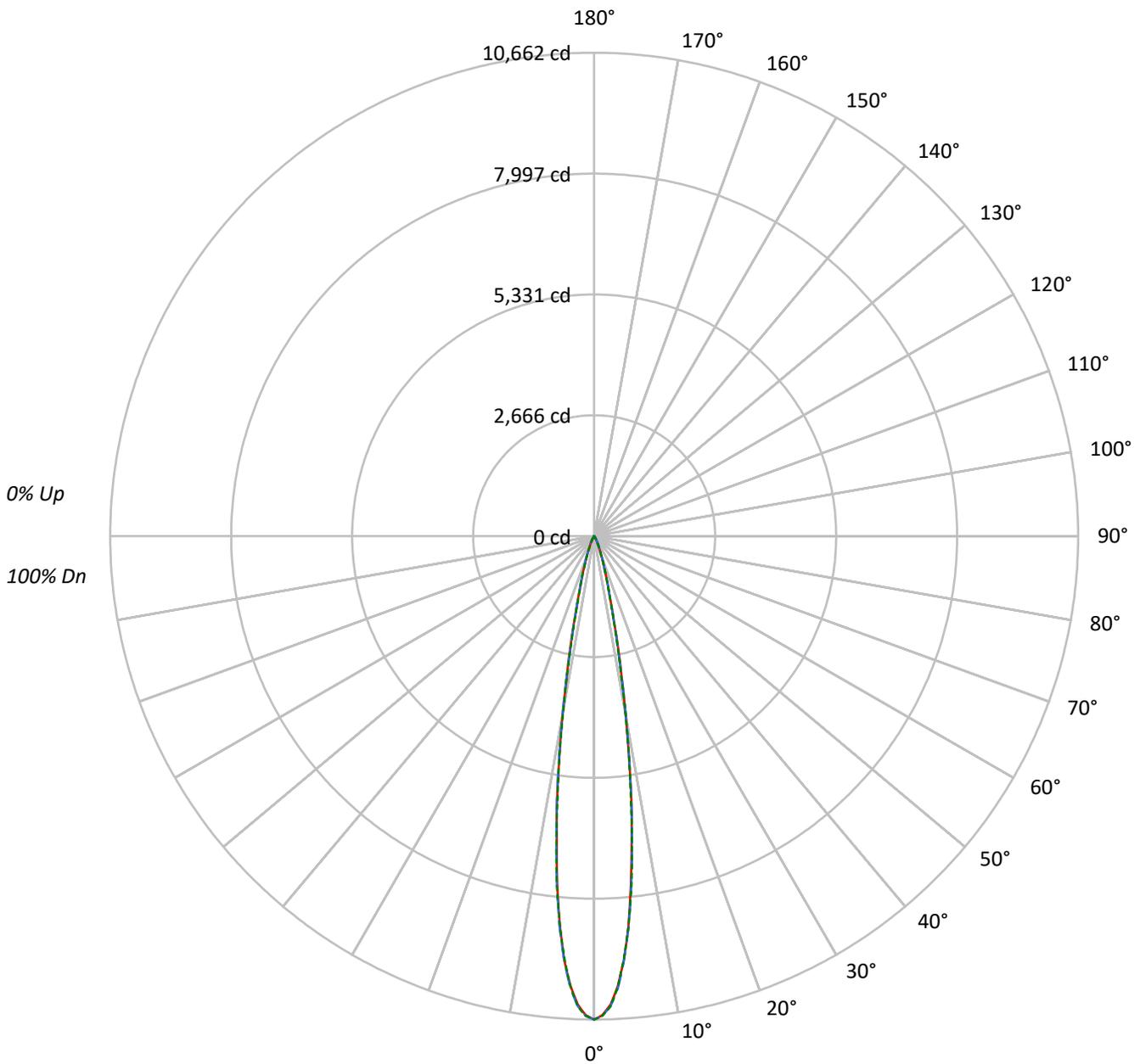
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1190.0 lumens
Efficiency: N/A
Efficacy: 81.5 lumens/watt
Spacing Criteria (0/90/45): 0.29 / 0.29 / 0.29
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 (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

TEST NUMBER: P1316544
CATALOG NUMBER: LDSQA3D13R159740DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270°



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CATALOG NUMBER: LDSQA3D13R159740DE010 3LSQCDR1MMS

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	103	102	101	100	100	100	100	100	98
2	113	109	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	97	98	97	96
3	110	106	103	100	108	105	102	100	102	100	98	100	98	97	98	96	95	95	98	96	94
4	107	103	99	97	106	102	99	96	100	97	95	98	96	94	96	95	93	93	96	95	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	91	91	95	93	90
6	103	97	94	92	102	97	94	91	96	93	91	94	92	90	93	91	90	90	93	91	89
7	101	95	92	90	100	95	92	89	94	91	89	93	90	88	92	90	88	88	92	90	87
8	99	93	90	88	98	93	90	88	92	89	87	91	89	87	90	88	87	87	90	88	86
9	97	92	88	86	96	91	88	86	90	88	86	90	87	85	89	87	85	85	89	87	84
10	95	90	87	84	95	90	86	84	89	86	84	88	86	84	88	85	84	84	88	85	83

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1836307	1836307	1836307
5°	1495088	1499963	1497041
10°	697419	703680	694796
15°	219003	220858	219503
20°	86763	90227	84013
25°	35060	42395	33806
30°	14040	19270	13284
35°	4163	8515	3953
40°	1259	3170	1057
45°	219	682	219
50°	0	241	0
55°	0	0	0
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: 45°

Vertical Angle: 45°

Luminance: 682 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	667.6	56.1
10°-20°	399.3	33.6
20°-30°	100.7	8.5
30°-40°	20.6	1.7
40°-50°	1.9	0.2
50°-60°	0.0	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°	1167.5	98.1
0°-40°	1188.1	99.8
0°-60°	1190.0	100.0
0°-90°	1190.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1190.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10662	10662	10662	10662	10662	
5°	8648	8632	8676	8655	8659	666
15°	1228	1239	1239	1221	1231	399
25°	184	201	223	198	178	95
35°	20	26	40	25	19	16
45°	1	2	3	2	1	1
55°	0	0	0	0	0	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



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CATALOG NUMBER: LDSQA3D13R159740DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10662.4	10662.4	10662.4	10662.4	10662.4
1°	10566.4	10602.1	10583.3	10598.4	10581.4
2°	10337.6	10385.6	10370.6	10365.9	10379.0
3°	9934.8	9990.3	9988.4	9974.3	9951.7
4°	9385.1	9362.5	9397.3	9393.6	9355.0
5°	8648.1	8632.1	8676.3	8654.7	8659.4
6°	7746.4	7816.1	7801.0	7802.9	7820.8
7°	6777.9	6815.5	6847.5	6873.9	6837.2
8°	5888.4	5879.0	5881.8	5911.9	5810.3
9°	4892.6	4950.9	4913.3	4853.0	4891.6
10°	3988.0	4023.8	4023.8	3971.1	3973.0
11°	3179.5	3208.7	3188.0	3201.2	3118.3
12°	2563.0	2490.5	2473.6	2486.8	2485.8
13°	1956.8	1961.5	1956.8	1955.9	1946.5
14°	1534.2	1558.7	1548.3	1522.9	1511.6
15°	1228.3	1238.7	1238.7	1220.8	1231.1
17.5°	737.9	750.2	753.0	740.8	740.8
20°	473.4	479.1	492.3	474.4	458.4
22.5°	291.8	304.0	326.6	300.3	287.1
25°	184.5	201.4	223.1	197.7	177.9
27.5°	115.8	129.9	148.7	124.2	112.0
30°	70.6	80.0	96.9	78.1	66.8
32.5°	39.5	47.1	61.2	45.2	37.6
35°	19.8	26.4	40.5	25.4	18.8
37.5°	11.3	14.1	25.4	12.2	10.4
40°	5.6	7.5	14.1	7.5	4.7
42.5°	1.9	3.8	5.6	3.8	1.9
45°	0.9	1.9	2.8	1.9	0.9
47.5°	0.0	0.0	0.9	0.0	0.0
50°	0.0	0.0	0.9	0.0	0.0
52.5°	0.0	0.0	0.0	0.0	0.0
55°	0.0	0.0	0.0	0.0	0.0
57.5°	0.0	0.0	0.0	0.0	0.0
60°	0.0	0.0	0.0	0.0	0.0
62.5°	0.0	0.0	0.0	0.0	0.0
65°	0.0	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0	0.0
75°	0.0	0.0	0.0	0.0	0.0
77.5°	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0
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



TEST NUMBER: P1316544
CATALOG NUMBER: LDSQA3D13R159740DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)