

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: P1310622

Luminaire Tested: LDSQA3D20R159035D010 3LSQPHR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310622
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: LDSQA3D20R159035D010 3LSQPHR1MW
Description: 3in Adjustable LED luminaire with, R15 optic, 3500K CCT AND, 90CRI , 3LSQPHR1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

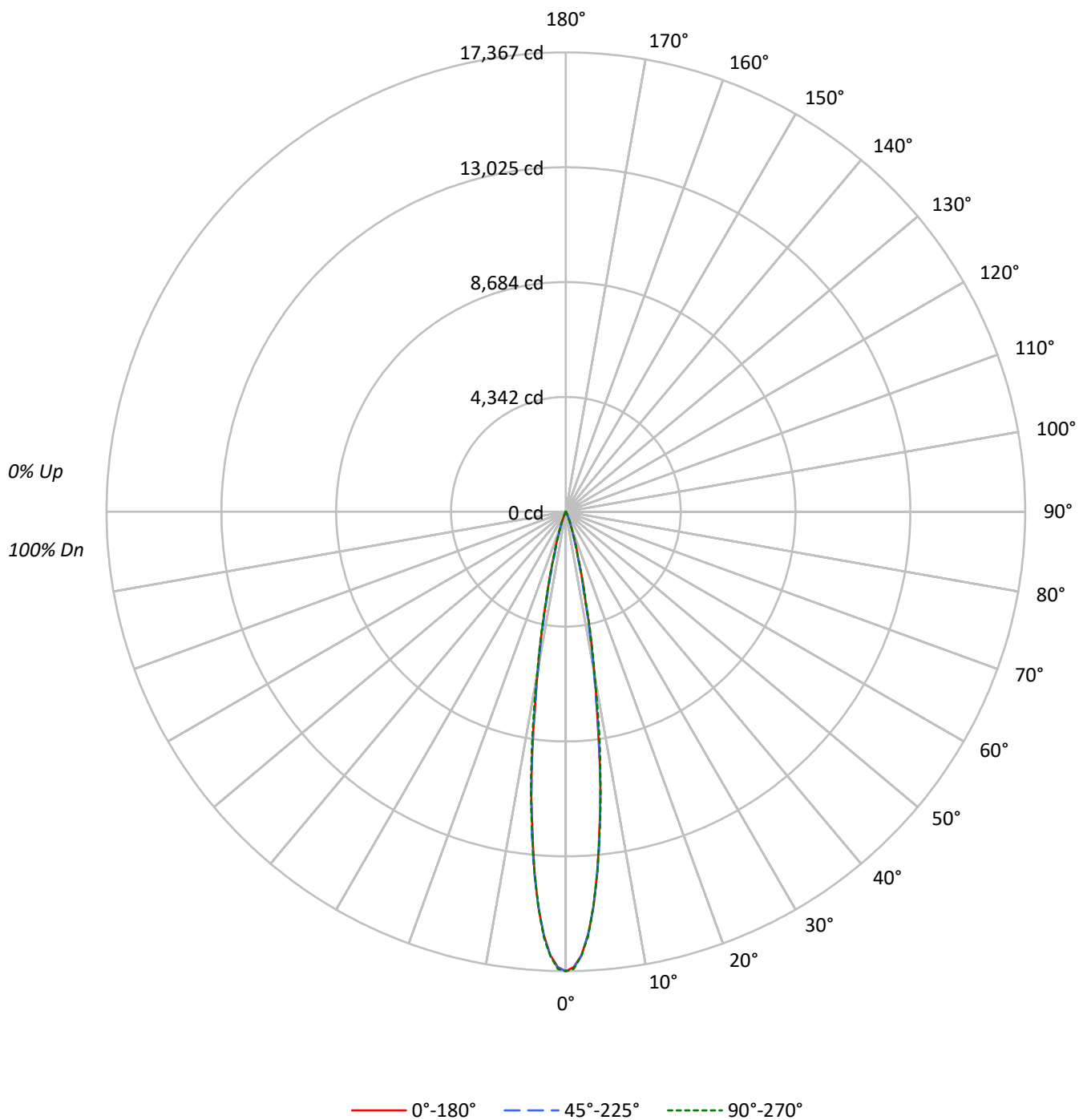
Lumens per Lamp: N/A
Luminaire Lumens: 1739.0 lumens
Efficiency: N/A
Efficacy: 60.4 lumens/watt
Spacing Criteria (0/90/45): 0.28 / 0.29 / 0.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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: P1310622

CATALOG NUMBER: LDSQA3D20R159035D010 3LSQPHR1MW

Luminous Intensity Polar Plot



TEST NUMBER: P1310622

CATALOG NUMBER: LDSQA3D20R159035D010 3LSQPHR1MW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	116	114	112	111	113	112	110	109	108	107	106		104	104	103		101
2	113	110	107	105	111	108	106	104	105	104	102		102	101	100		100
3	110	107	104	101	109	105	103	100	103	101	99		101	99	97		99
4	108	104	100	98	106	103	100	98	101	98	96		99	97	95		97
5	106	101	98	95	104	100	97	95	99	96	94		97	95	94		96
6	104	99	96	93	103	98	95	93	97	94	92		96	94	92		95
7	102	97	94	91	101	96	93	91	95	93	91		94	92	90		94
8	100	95	92	90	99	95	92	90	94	91	89		93	91	89		92
9	98	93	90	88	98	93	90	88	92	90	88		92	89	88		91
10	97	92	89	87	96	92	89	87	91	88	87		90	88	86		90

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2991042	2991042	2991042
5°	2359335	2365662	2357243
10°	1079408	1051130	1102213
15°	320936	286525	314429
20°	95303	92444	100087
25°	27098	35041	31392
30°	9685	10381	9347
35°	3658	3301	3301
40°	1574	787	1169
45°	852	414	852
50°	455	0	455
55°	510	0	510
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: 892 cd/sqm

TEST NUMBER: P1310622

CATALOG NUMBER: LDSQA3D20R159035D010 3LSQPHR1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1049.3	60.3
10°-20°	582.6	33.5
20°-30°	92.7	5.3
30°-40°	12.1	0.7
40°-50°	1.8	0.1
50°-60°	0.4	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°	1724.6	99.2
0°-40°	1736.8	99.9
0°-60°	1739.0	100.0
0°-90°	1739.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1739.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	17367	17367	17367	17367	17367	
5°	13647	13762	13684	13626	13635	1047
15°	1800	1777	1607	1707	1764	594
25°	143	160	184	184	165	87
35°	17	17	16	17	16	13
45°	4	2	2	2	4	3
55°	2	0	0	0	2	1
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	



TEST NUMBER: P1310622

CATALOG NUMBER: LDSQA3D20R159035D010 3LSQPHR1MW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	17367.3	17367.3	17367.3	17367.3	17367.3	17367.3	17367.3	17367.3	17367.3	17367.3	17367.3
1°	17217.8	17236.9	17261.2	17238.6	17217.8	17236.9	17210.8	17214.3	17193.4	17238.6	17289.1
2°	16779.5	16803.8	16789.9	16758.6	16807.3	16810.8	16756.9	16730.8	16727.3	16772.5	16789.9
3°	16003.8	16059.5	16061.2	16050.8	16035.1	16003.8	15948.2	15984.7	15934.3	15902.9	16080.3
4°	14972.5	15021.2	15078.6	15040.3	14925.5	14936.0	14972.5	14849.0	14856.0	14927.3	14932.5
5°	13647.2	13795.1	13802.0	13748.1	13657.7	13683.8	13657.7	13622.9	13635.1	13680.3	13635.1
6°	12087.2	12254.2	12130.7	12249.0	12222.9	12255.9	12264.6	12228.1	12254.2	12226.3	12217.6
7°	10739.4	10612.4	10629.8	10581.1	10633.3	10668.1	10688.9	10626.3	10676.7	10756.7	10779.4
8°	9068.0	9031.5	8995.0	9081.9	9057.6	9099.3	9125.4	9195.0	9191.5	9215.8	9295.8
9°	7476.7	7530.6	7563.6	7487.1	7553.2	7424.5	7469.7	7655.8	7607.1	7655.8	7798.4
10°	6172.3	6215.8	6167.1	6165.3	6095.8	6010.6	6005.3	6074.9	6221.0	6335.8	6302.7
12.5°	3405.3	3443.6	3448.8	3445.3	3320.1	3179.2	3205.3	3260.9	3351.4	3389.6	3452.2
15°	1800.0	1798.3	1817.4	1763.5	1697.4	1607.0	1613.9	1690.5	1758.3	1775.7	1763.5
17.5°	923.5	927.0	940.9	927.0	857.4	866.1	885.2	893.9	933.9	949.6	940.9
20°	520.0	521.8	520.0	525.2	497.4	504.4	528.7	530.4	539.1	547.8	546.1
22.5°	297.4	299.1	309.6	306.1	299.1	307.8	313.1	321.7	325.2	321.7	332.2
25°	142.6	144.4	144.4	165.2	175.7	184.4	187.8	184.4	180.9	167.0	165.2
27.5°	81.7	81.7	85.2	87.0	90.4	106.1	104.4	87.0	73.0	73.0	74.8
30°	48.7	47.0	47.0	48.7	50.4	52.2	48.7	47.0	47.0	48.7	47.0
32.5°	29.6	29.6	29.6	27.8	27.8	26.1	26.1	29.6	29.6	29.6	29.6
35°	17.4	17.4	17.4	17.4	15.7	15.7	15.7	17.4	17.4	15.7	15.7
37.5°	10.4	10.4	10.4	8.7	8.7	7.0	8.7	8.7	8.7	8.7	8.7
40°	7.0	7.0	5.2	5.2	3.5	3.5	3.5	5.2	5.2	5.2	5.2
42.5°	5.2	5.2	3.5	3.5	1.7	1.7	1.7	3.5	3.5	3.5	3.5
45°	3.5	3.5	3.5	1.7	1.7	1.7	1.7	1.7	1.7	3.5	3.5
47.5°	3.5	3.5	1.7	1.7	0.0	0.0	0.0	1.7	1.7	1.7	1.7
50°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
52.5°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	1.7	1.7	1.7
55°	1.7	1.7	1.7	0.0	0.0	0.0	0.0	0.0	0.0	1.7	1.7
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	1.7	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)