

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: P1315739

Luminaire Tested: LDSQA3D17R209735DE010 3LSQPHRL1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315739
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R209735DE010 3LSQPHRL1MW
Description: 3in Adjustable LED luminaire with, R20 optic, 3500K CCT AND, 97CRI , 3LSQPHRL1MW TRIM
Light Source: -
Ballast/Driver: -

Summary

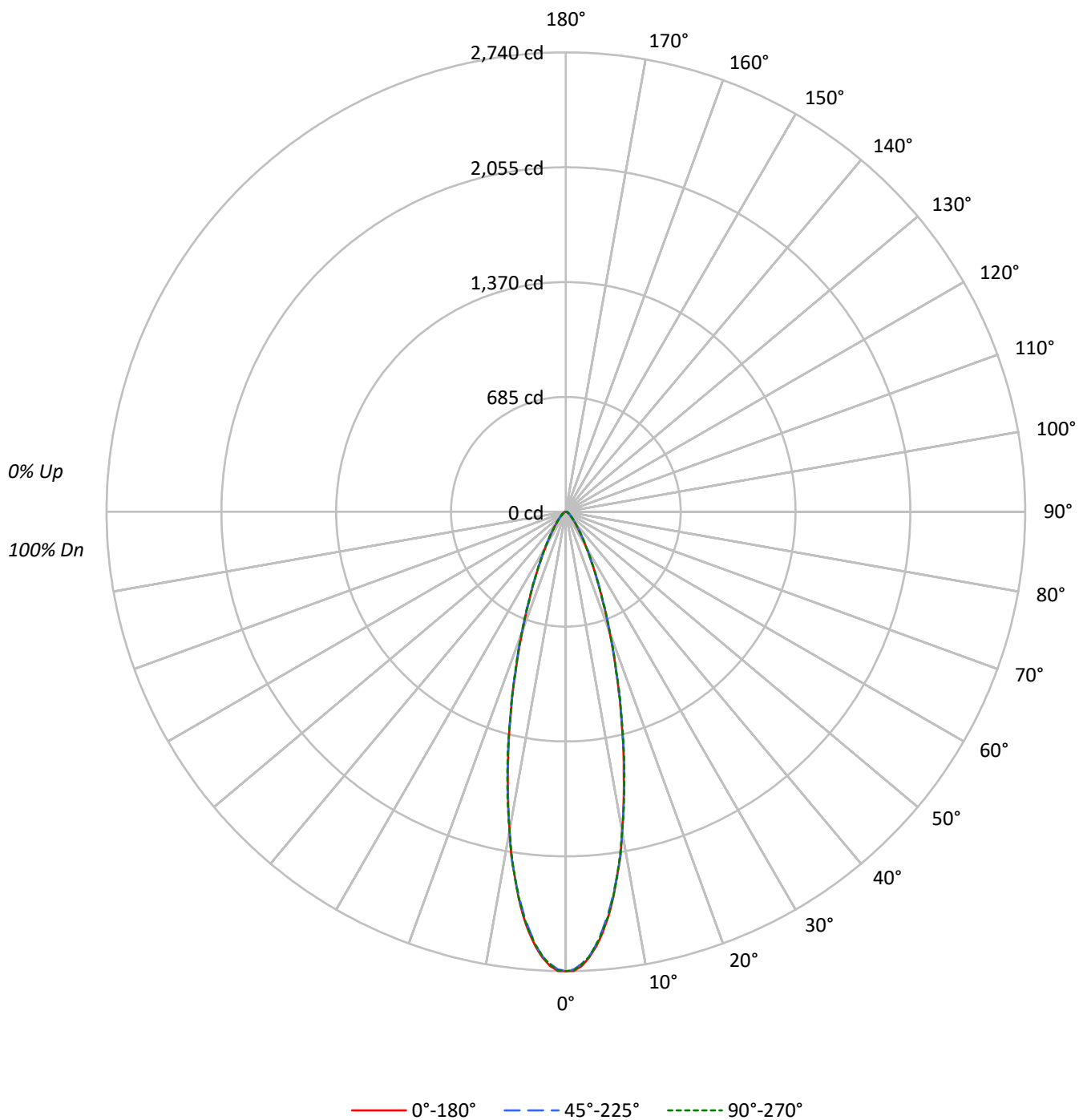
Lumens per Lamp: N/A
Luminaire Lumens: 963.0 lumens
Efficiency: N/A
Efficacy: 45.4 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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: P1315739

CATALOG NUMBER: LDSQA3D17R209735DE010 3LSQPHRL1MW

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
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	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98
2	109	104	101	97	107	103	99	96	99	97	94		96	94	92		94
3	104	98	94	90	102	97	93	89	94	91	88		92	89	87		90
4	100	93	88	84	98	92	87	84	90	86	83		88	84	82		86
5	96	88	83	79	94	87	82	79	86	81	78		84	80	77		82
6	92	84	79	75	90	83	78	75	82	77	74		80	77	74		79
7	88	80	75	71	87	80	75	71	78	74	71		77	73	70		76
8	85	77	72	68	84	76	71	68	75	71	68		74	70	67		73
9	82	74	69	65	81	73	68	65	72	68	65		71	67	65		71
10	79	71	66	62	78	70	66	62	70	65	62		69	65	62		68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	471942	471942	471942
5°	435382	432893	434345
10°	337867	338287	338287
15°	228364	229434	229434
20°	138685	140444	141104
25°	81350	82491	82263
30°	47469	48404	48643
35°	28993	29750	29750
40°	18862	19132	19402
45°	13152	13444	13737
50°	9646	9967	9967
55°	7567	7927	7927
60°	6613	6613	7027
65°	5868	5868	6357
70°	5438	5438	5438
75°	4791	4791	4791
80°	3570	3570	4761
85°	2371	2371	4742

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 13737 cd/sqm

TEST NUMBER: P1315739

CATALOG NUMBER: LDSQA3D17R209735DE010 3LSQPHRL1MW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	221.0	22.9
10°-20°	353.9	36.7
20°-30°	204.9	21.3
30°-40°	91.9	9.5
40°-50°	43.6	4.5
50°-60°	23.9	2.5
60°-70°	14.5	1.5
70°-80°	7.8	0.8
80°-90°	1.7	0.2
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°	779.8	81.0
0°-40°	871.6	90.5
0°-60°	939.1	97.5
0°-90°	963.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	963.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2740	2740	2740	2740	2740	
5°	2518	2510	2504	2509	2512	222
15°	1281	1281	1287	1281	1287	353
25°	428	428	434	430	433	203
35°	138	139	142	143	142	90
45°	54	54	55	55	56	43
55°	25	25	26	26	26	23
65°	14	14	14	14	16	14
75°	7	7	7	7	7	8
85°	1	1	1	1	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2740.3	2740.3	2740.3	2740.3	2740.3
1°	2739.1	2731.9	2729.5	2727.1	2734.3
2°	2711.5	2703.1	2698.3	2700.7	2701.9
3°	2662.3	2657.5	2657.5	2653.9	2656.3
4°	2598.8	2589.2	2589.2	2590.4	2590.4
5°	2518.4	2510.0	2504.0	2508.8	2512.4
6°	2428.5	2417.7	2412.9	2414.1	2422.5
7°	2318.1	2303.8	2306.2	2312.2	2312.2
8°	2193.4	2192.2	2194.6	2192.2	2194.6
9°	2078.3	2061.5	2075.9	2063.9	2069.9
10°	1932.0	1930.8	1934.4	1938.0	1934.4
12.5°	1598.6	1604.6	1607.0	1602.2	1613.0
15°	1280.8	1280.8	1286.8	1280.8	1286.8
17.5°	996.6	995.4	1000.2	995.4	1002.6
20°	756.7	765.1	766.3	766.3	769.9
22.5°	570.8	570.8	575.6	576.8	574.4
25°	428.1	428.1	434.1	430.5	432.9
27.5°	316.6	319.0	323.8	326.2	326.2
30°	238.7	239.8	243.4	244.6	244.6
32.5°	179.9	182.3	184.7	185.9	187.1
35°	137.9	139.1	141.5	142.7	141.5
37.5°	105.5	106.7	109.1	110.3	110.3
40°	83.9	83.9	85.1	86.3	86.3
42.5°	66.0	67.2	67.2	68.4	68.4
45°	54.0	54.0	55.2	55.2	56.4
47.5°	43.2	43.2	44.4	45.6	45.6
50°	36.0	36.0	37.2	37.2	37.2
52.5°	30.0	30.0	31.2	31.2	31.2
55°	25.2	25.2	26.4	26.4	26.4
57.5°	21.6	21.6	22.8	22.8	22.8
60°	19.2	19.2	19.2	19.2	20.4
62.5°	16.8	16.8	16.8	16.8	16.8
65°	14.4	14.4	14.4	14.4	15.6
67.5°	12.0	12.0	12.0	12.0	13.2
70°	10.8	10.8	10.8	10.8	10.8
72.5°	8.4	8.4	8.4	9.6	9.6
75°	7.2	7.2	7.2	7.2	7.2
77.5°	6.0	6.0	6.0	6.0	6.0
80°	3.6	3.6	3.6	4.8	4.8
82.5°	2.4	2.4	2.4	2.4	2.4
85°	1.2	1.2	1.2	1.2	2.4
87.5°	0.0	0.0	0.0	1.2	1.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)