

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: P1317596

Luminaire Tested: LDSQA3D17R209827DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317596
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: LDSQA3D17R209827DE010 3LSQPHRL1MB
Description: 3in Adjustable LED luminaire with, R20 optic, 2700K CCT AND, 98CRI , 3LSQPHRL1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

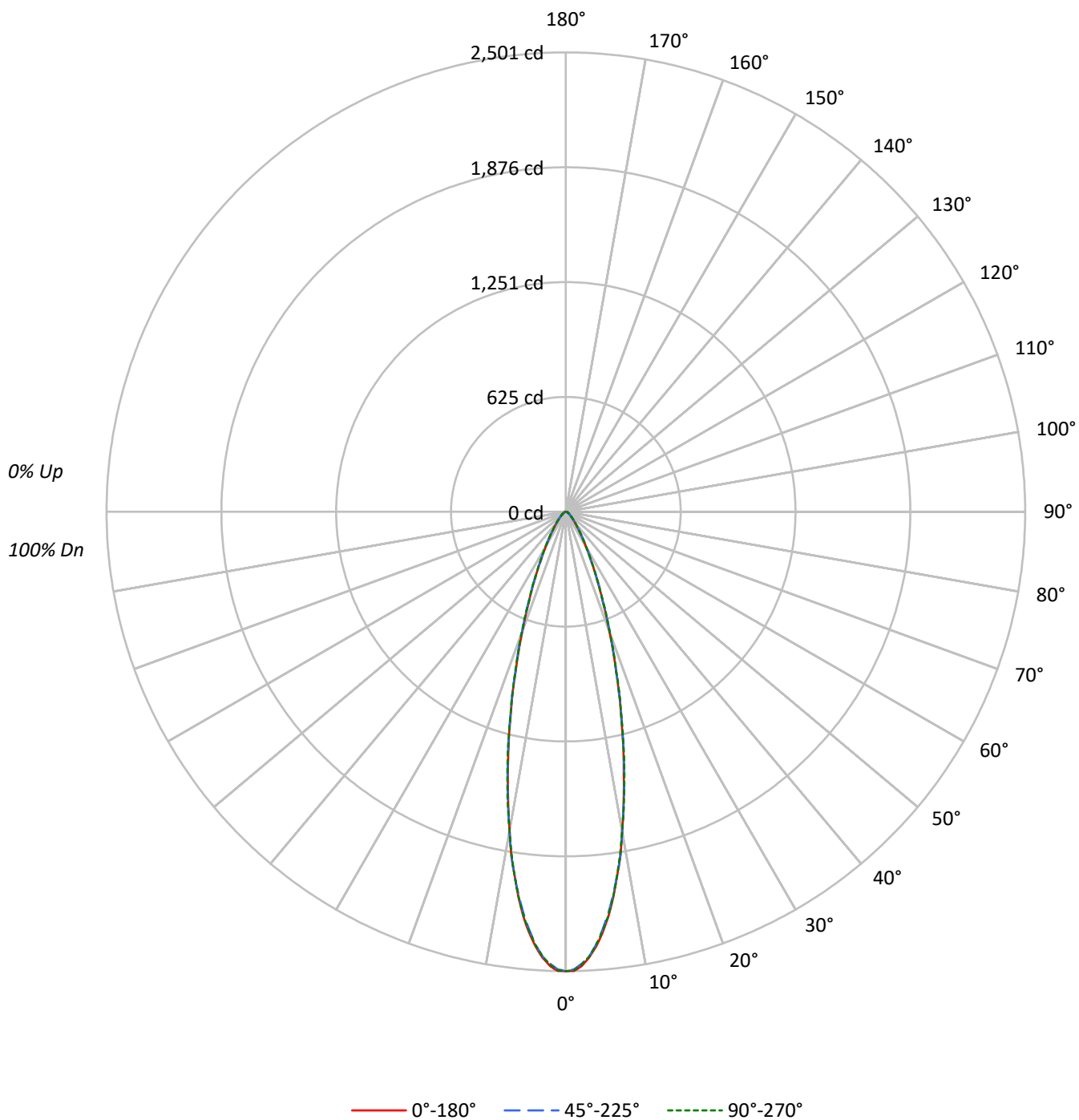
Lumens per Lamp: N/A
Luminaire Lumens: 879.0 lumens
Efficiency: N/A
Efficacy: 43.1 lumens/watt
Spacing Criteria (0/90/45): 0.48 / 0.48 / 0.5
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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

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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
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°	430780	430780	430780
5°	397400	395136	396467
10°	308400	308785	308785
15°	208448	209429	209429
20°	126588	128201	128806
25°	74262	75308	75099
30°	43313	44188	44407
35°	26470	27164	27164
40°	17221	17469	17716
45°	12007	12275	12519
50°	8788	9083	9083
55°	6906	7236	7236
60°	6028	6028	6407
65°	5338	5338	5787
70°	4985	4985	4985
75°	4392	4392	4392
80°	3273	3273	4364
85°	2174	2174	4347

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 12519 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	201.7	22.9
10°-20°	323.0	36.7
20°-30°	187.1	21.3
30°-40°	83.9	9.5
40°-50°	39.8	4.5
50°-60°	21.8	2.5
60°-70°	13.2	1.5
70°-80°	7.1	0.8
80°-90°	1.6	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°	711.7	81.0
0°-40°	795.6	90.5
0°-60°	857.2	97.5
0°-90°	879.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	879.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2501	2501	2501	2501	2501	
5°	2299	2291	2286	2290	2293	202
15°	1169	1169	1175	1169	1175	322
25°	391	391	396	393	395	185
35°	126	127	129	130	129	82
45°	49	49	50	50	51	39
55°	23	23	24	24	24	21
65°	13	13	13	13	14	13
75°	7	7	7	7	7	7
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°	2501.3	2501.3	2501.3	2501.3	2501.3
1°	2500.2	2493.6	2491.4	2489.2	2495.8
2°	2475.0	2467.3	2462.9	2465.1	2466.2
3°	2430.1	2425.7	2425.7	2422.4	2424.6
4°	2372.1	2363.3	2363.3	2364.4	2364.4
5°	2298.7	2291.1	2285.6	2290.0	2293.3
6°	2216.6	2206.8	2202.4	2203.5	2211.2
7°	2115.9	2102.8	2105.0	2110.5	2110.5
8°	2002.1	2001.0	2003.2	2001.0	2003.2
9°	1897.0	1881.7	1894.8	1883.9	1889.4
10°	1763.5	1762.4	1765.7	1768.9	1765.7
12.5°	1459.2	1464.6	1466.8	1462.4	1472.3
15°	1169.1	1169.1	1174.6	1169.1	1174.6
17.5°	909.6	908.6	912.9	908.6	915.1
20°	690.7	698.4	699.5	699.5	702.8
22.5°	521.0	521.0	525.4	526.5	524.3
25°	390.8	390.8	396.3	393.0	395.2
27.5°	289.0	291.2	295.6	297.7	297.7
30°	217.8	218.9	222.2	223.3	223.3
32.5°	164.2	166.4	168.6	169.7	170.8
35°	125.9	127.0	129.2	130.3	129.2
37.5°	96.3	97.4	99.6	100.7	100.7
40°	76.6	76.6	77.7	78.8	78.8
42.5°	60.2	61.3	61.3	62.4	62.4
45°	49.3	49.3	50.4	50.4	51.4
47.5°	39.4	39.4	40.5	41.6	41.6
50°	32.8	32.8	33.9	33.9	33.9
52.5°	27.4	27.4	28.5	28.5	28.5
55°	23.0	23.0	24.1	24.1	24.1
57.5°	19.7	19.7	20.8	20.8	20.8
60°	17.5	17.5	17.5	17.5	18.6
62.5°	15.3	15.3	15.3	15.3	15.3
65°	13.1	13.1	13.1	13.1	14.2
67.5°	10.9	10.9	10.9	10.9	12.0
70°	9.9	9.9	9.9	9.9	9.9
72.5°	7.7	7.7	7.7	8.8	8.8
75°	6.6	6.6	6.6	6.6	6.6
77.5°	5.5	5.5	5.5	5.5	5.5
80°	3.3	3.3	3.3	4.4	4.4
82.5°	2.2	2.2	2.2	2.2	2.2
85°	1.1	1.1	1.1	1.1	2.2
87.5°	0.0	0.0	0.0	1.1	1.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)