

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: P1319411

Luminaire Tested: LDSQA3D17R409835DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319411
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R409835DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

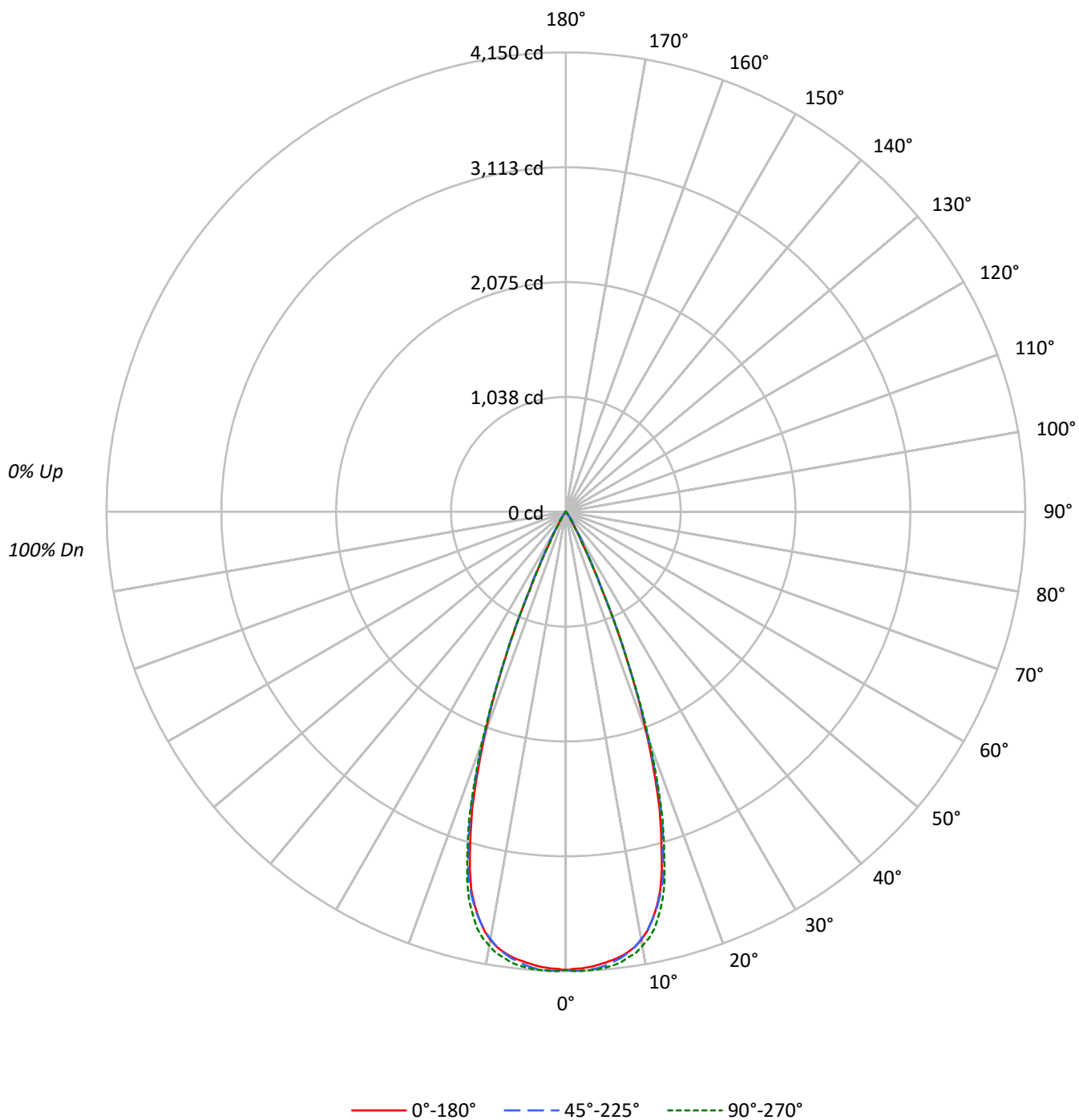
Lumens per Lamp: N/A
Luminaire Lumens: 1741.0 lumens
Efficiency: N/A
Efficacy: 85.3 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	713019	713019	713019
5°	706857	711300	714688
10°	686717	685440	696160
15°	597405	607033	614451
20°	392081	399724	404892
25°	139784	147936	139081
30°	30466	41205	30725
35°	9797	17009	9545
40°	3035	5238	2765
45°	292	1802	292
50°	0	322	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: 1802 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	387.2	22.2
10°-20°	901.7	51.8
20°-30°	404.4	23.2
30°-40°	43.7	2.5
40°-50°	4.1	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°	1693.2	97.3
0°-40°	1736.9	99.8
0°-60°	1741.0	100.0
0°-90°	1741.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1741.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4140	4140	4140	4140	4140	
5°	4089	4100	4114	4120	4134	386
15°	3351	3375	3405	3424	3446	890
25°	736	758	778	792	732	393
35°	47	54	81	53	45	36
45°	1	2	7	2	1	2
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4140.1	4140.1	4140.1	4140.1	4140.1
1°	4131.6	4140.1	4147.5	4141.4	4150.0
2°	4127.9	4137.7	4148.7	4142.6	4150.0
3°	4118.1	4130.3	4142.6	4138.9	4146.3
4°	4104.6	4114.4	4132.8	4132.8	4143.8
5°	4088.7	4099.7	4114.4	4120.5	4134.0
6°	4071.5	4077.6	4088.7	4100.9	4119.3
7°	4049.4	4049.4	4062.9	4075.2	4099.7
8°	4018.8	4016.3	4026.1	4042.1	4064.1
9°	3980.8	3972.2	3979.5	4002.8	4035.9
10°	3926.8	3919.5	3919.5	3948.9	3980.8
11°	3856.9	3854.5	3855.7	3883.9	3926.8
12°	3762.5	3765.0	3765.0	3796.9	3849.6
13°	3655.9	3654.7	3665.7	3701.2	3736.8
14°	3525.9	3533.3	3544.3	3576.2	3613.0
15°	3350.6	3375.1	3404.6	3424.2	3446.2
17.5°	2817.3	2841.8	2882.3	2898.2	2903.1
20°	2139.3	2174.9	2181.0	2212.9	2209.2
22.5°	1434.4	1431.9	1436.9	1440.5	1441.8
25°	735.6	757.7	778.5	792.0	731.9
27.5°	320.0	358.0	385.0	349.4	323.7
30°	153.2	174.1	207.2	175.3	154.5
32.5°	83.4	96.9	131.2	95.6	82.1
35°	46.6	53.9	80.9	52.7	45.4
37.5°	27.0	29.4	44.1	29.4	25.7
40°	13.5	17.2	23.3	17.2	12.3
42.5°	4.9	8.6	12.3	8.6	4.9
45°	1.2	2.5	7.4	2.5	1.2
47.5°	0.0	0.0	3.7	0.0	0.0
50°	0.0	0.0	1.2	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



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)