

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: P1310563

Luminaire Tested: LDSQA3D17R459035DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-32)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R459035DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

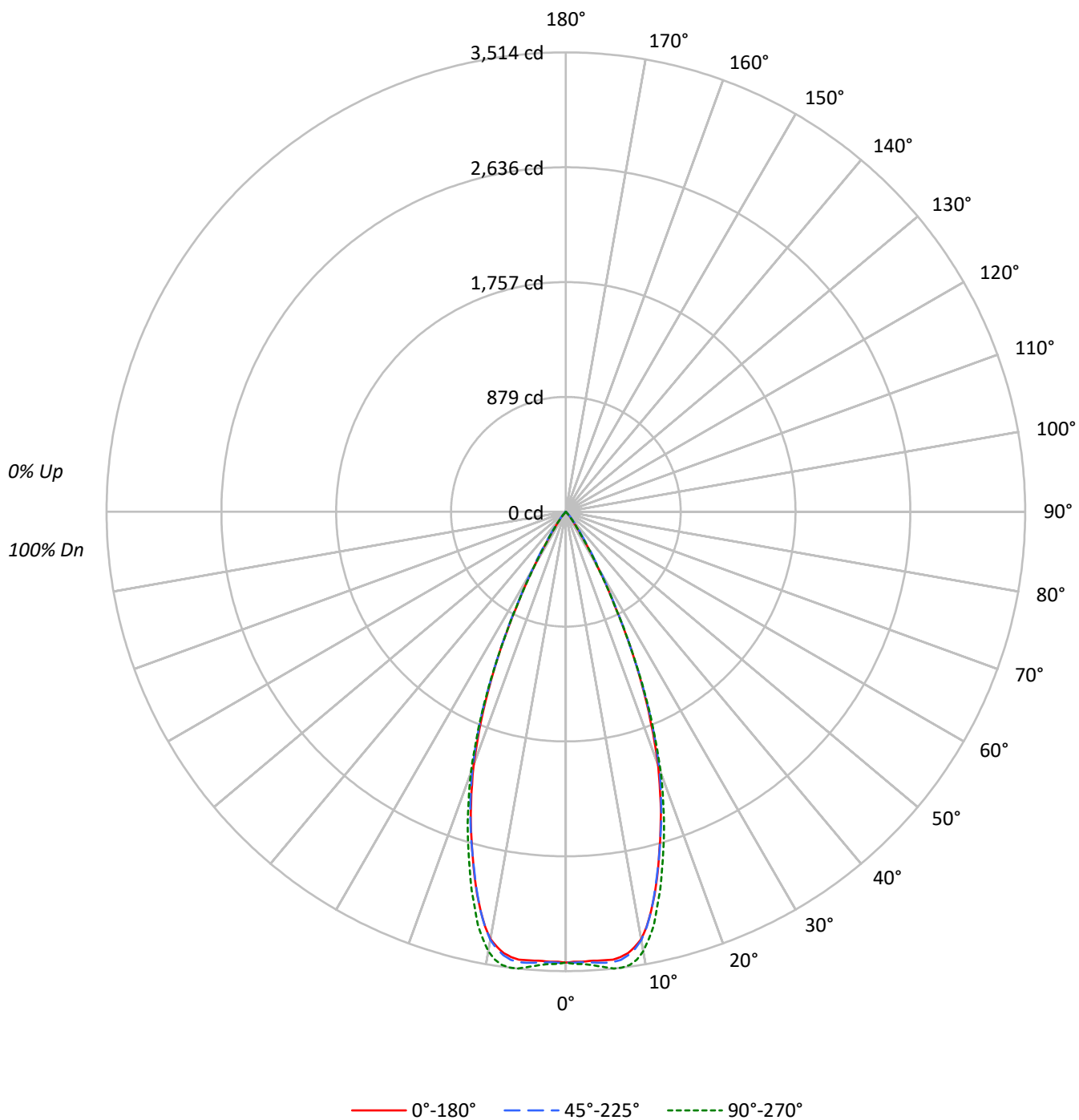
Lumens per Lamp: N/A
Luminaire Lumens: 1783.0 lumens
Efficiency: N/A
Efficacy: 84.1 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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

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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	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	103	100	108	104	101	99	101	99	96		98	96	94		95
3	106	100	96	93	104	99	95	92	97	93	91		94	92	89		92
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	96	90	86	82	88	85	82		87	83	81		85
6	94	87	82	78	93	86	81	78	85	81	78		83	80	77		82
7	91	83	78	75	89	82	78	74	81	77	74		80	76	74		79
8	87	79	75	71	86	79	74	71	78	74	71		77	73	70		76
9	84	76	71	68	83	76	71	68	75	71	68		74	70	68		73
10	81	73	68	65	80	73	68	65	72	68	65		71	67	65		71

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	593927	593927	593927
5°	595279	598720	604684
10°	580372	581544	596829
15°	489642	489874	505938
20°	377969	383302	389625
25°	234474	234740	236241
30°	96728	102794	95157
35°	30086	36772	28972
40°	9240	12815	8633
45°	658	4847	658
50°	0	723	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: 4847 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.2	18.4
10°-20°	763.1	42.8
20°-30°	559.8	31.4
30°-40°	120.3	6.7
40°-50°	11.5	0.6
50°-60°	0.1	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°	1651.2	92.6
0°-40°	1771.5	99.4
0°-60°	1783.0	100.0
0°-90°	1783.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1783.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3449	3449	3449	3449	3449	
5°	3443	3453	3463	3487	3498	326
15°	2746	2741	2748	2791	2838	756
25°	1234	1230	1235	1235	1243	553
35°	143	154	175	150	138	113
45°	3	8	20	8	3	7
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°	3448.6	3448.6	3448.6	3448.6	3448.6
1°	3442.0	3450.0	3450.0	3455.3	3457.9
2°	3444.7	3450.0	3448.6	3457.9	3461.9
3°	3440.7	3450.0	3452.6	3463.2	3469.8
4°	3442.0	3450.0	3457.9	3473.8	3483.1
5°	3443.3	3452.6	3463.2	3487.1	3497.7
6°	3444.7	3451.3	3463.2	3493.7	3513.6
7°	3431.4	3440.7	3453.9	3492.4	3513.6
8°	3410.2	3415.5	3426.1	3476.5	3501.6
9°	3370.4	3369.1	3385.0	3440.7	3469.8
10°	3318.7	3302.8	3325.4	3381.0	3412.8
11°	3235.2	3218.0	3237.9	3297.5	3328.0
12°	3126.6	3126.6	3130.5	3183.6	3236.6
13°	3011.3	2998.0	3006.0	3065.6	3102.7
14°	2884.0	2870.8	2878.7	2923.8	2982.1
15°	2746.2	2740.9	2747.5	2791.2	2837.6
17.5°	2418.8	2406.9	2430.7	2474.5	2498.3
20°	2062.3	2082.2	2091.4	2119.3	2125.9
22.5°	1652.7	1674.0	1687.2	1691.2	1695.2
25°	1233.9	1230.0	1235.3	1235.3	1243.2
27.5°	811.1	811.1	825.7	816.4	807.2
30°	486.4	506.3	516.9	499.7	478.5
32.5°	265.1	285.0	302.2	277.0	258.4
35°	143.1	153.7	174.9	149.8	137.8
37.5°	78.2	87.5	100.7	84.8	78.2
40°	41.1	50.4	57.0	50.4	38.4
42.5°	13.3	25.2	33.1	25.2	11.9
45°	2.7	8.0	19.9	8.0	2.7
47.5°	0.0	1.3	9.3	1.3	0.0
50°	0.0	0.0	2.7	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)