

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: P1310406

Luminaire Tested: LDSQA3D13R459035DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310406
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: LDSQA3D13R459035DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R45 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

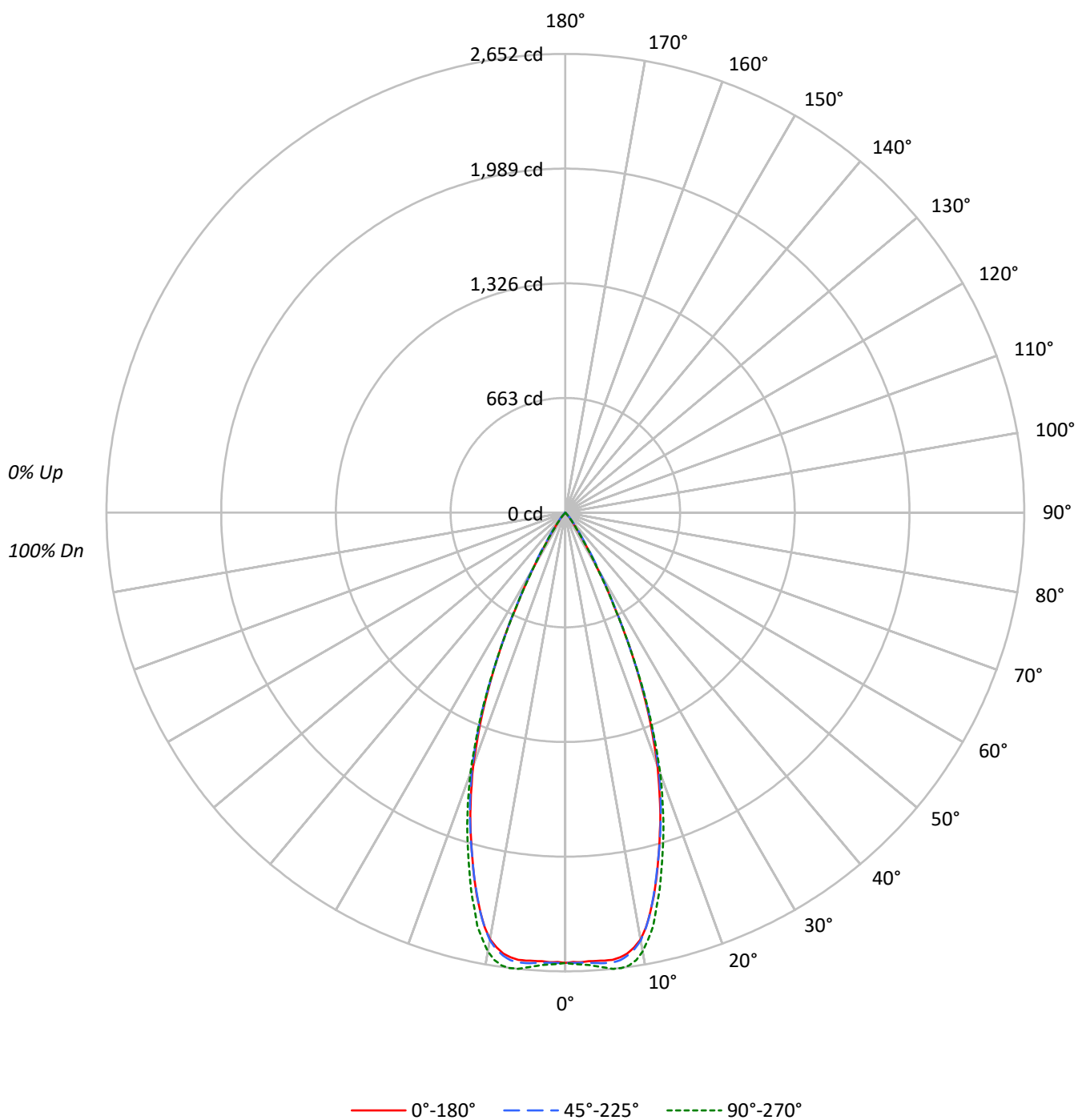
Lumens per Lamp: N/A
Luminaire Lumens: 1346.0 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 0.72 / 0.74 / 0.67
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 14.6
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	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	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	98	95
2	110	106	103	100	108	104	101	99	101	99	96	98	96	94	95	94	92	92	94	91
3	106	100	96	93	104	99	95	92	97	93	91	94	92	89	92	90	88	88	90	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	86	83
5	98	91	86	83	96	90	86	82	88	85	82	87	83	81	85	82	80	80	82	79
6	94	87	82	78	93	86	81	78	85	81	78	83	80	77	82	79	77	77	79	75
7	91	83	78	75	89	82	78	74	81	77	74	80	76	74	79	76	73	73	76	72
8	87	79	75	71	86	79	74	71	78	74	71	77	73	70	76	73	70	70	73	69
9	84	76	71	68	83	76	71	68	75	71	68	74	70	68	73	70	67	67	70	66
10	81	73	68	65	80	73	68	65	72	68	65	71	67	65	71	67	65	65	67	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	448364	448364	448364
5°	449386	451979	456474
10°	438125	439000	450559
15°	369630	369808	381950
20°	285323	289355	294139
25°	177010	177200	178340
30°	73023	77597	71830
35°	22727	27773	21887
40°	6969	9667	6520
45°	487	3653	487
50°	0	536	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: 3653 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.8	18.4
10°-20°	576.1	42.8
20°-30°	422.6	31.4
30°-40°	90.8	6.7
40°-50°	8.6	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°	1246.5	92.6
0°-40°	1337.3	99.4
0°-60°	1346.0	100.0
0°-90°	1346.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1346.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2603	2603	2603	2603	2603	
5°	2599	2606	2614	2632	2640	246
15°	2073	2069	2074	2107	2142	571
25°	932	928	932	932	938	418
35°	108	116	132	113	104	85
45°	2	6	15	6	2	5
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°	2603.4	2603.4	2603.4	2603.4	2603.4
1°	2598.4	2604.4	2604.4	2608.4	2610.4
2°	2600.4	2604.4	2603.4	2610.4	2613.4
3°	2597.4	2604.4	2606.4	2614.4	2619.4
4°	2598.4	2604.4	2610.4	2622.4	2629.4
5°	2599.4	2606.4	2614.4	2632.4	2640.4
6°	2600.4	2605.4	2614.4	2637.4	2652.4
7°	2590.4	2597.4	2607.4	2636.4	2652.4
8°	2574.4	2578.4	2586.4	2624.4	2643.4
9°	2544.4	2543.4	2555.4	2597.4	2619.4
10°	2505.3	2493.3	2510.3	2552.4	2576.4
11°	2442.3	2429.3	2444.3	2489.3	2512.3
12°	2360.3	2360.3	2363.3	2403.3	2443.3
13°	2273.2	2263.2	2269.2	2314.2	2342.3
14°	2177.2	2167.2	2173.2	2207.2	2251.2
15°	2073.1	2069.1	2074.1	2107.1	2142.2
17.5°	1826.0	1817.0	1835.0	1868.0	1886.0
20°	1556.8	1571.8	1578.8	1599.9	1604.9
22.5°	1247.7	1263.7	1273.7	1276.7	1279.7
25°	931.5	928.5	932.5	932.5	938.5
27.5°	612.3	612.3	623.3	616.3	609.3
30°	367.2	382.2	390.2	377.2	361.2
32.5°	200.1	215.1	228.1	209.1	195.1
35°	108.1	116.1	132.1	113.1	104.1
37.5°	59.0	66.0	76.0	64.0	59.0
40°	31.0	38.0	43.0	38.0	29.0
42.5°	10.0	19.0	25.0	19.0	9.0
45°	2.0	6.0	15.0	6.0	2.0
47.5°	0.0	1.0	7.0	1.0	0.0
50°	0.0	0.0	2.0	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)