

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: P1319085

Luminaire Tested: LDSQA3D09R309835DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1319085
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309835DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 3500K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

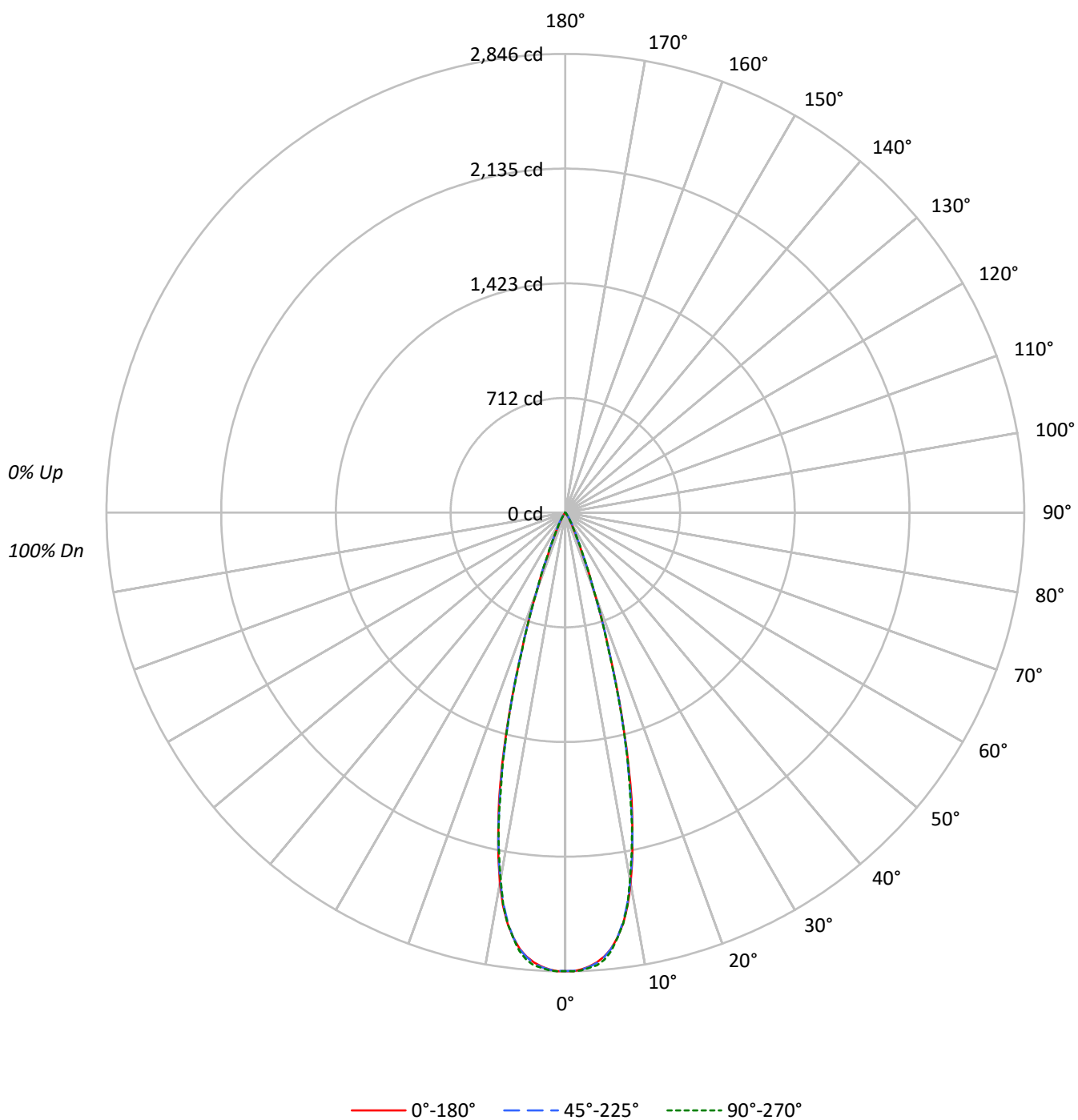
Lumens per Lamp: N/A
Luminaire Lumens: 734.0 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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: P1319085

CATALOG NUMBER: LDSQA3D09R309835DE010 3LSQCDR1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1319085

CATALOG NUMBER: LDSQA3D09R309835DE010 3LSQCDR1MMS

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	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	489905	489905	489905
5°	477963	478551	481213
10°	408204	406315	403919
15°	251917	248957	249885
20°	95212	95725	95633
25°	29283	32115	30594
30°	11813	14994	12270
35°	3490	6370	3595
40°	1416	2563	1416
45°	268	828	268
50°	0	161	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: 828 cd/sqm

TEST NUMBER: P1319085

CATALOG NUMBER: LDSQA3D09R309835DE010 3LSQCDR1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	250.9	34.2
10°-20°	371.5	50.6
20°-30°	92.1	12.6
30°-40°	17.3	2.4
40°-50°	2.2	0.3
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°	714.5	97.3
0°-40°	731.8	99.7
0°-60°	734.0	100.0
0°-90°	734.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	734.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2845	2845	2845	2845	2845	
5°	2765	2764	2768	2773	2784	251
15°	1413	1399	1396	1407	1402	373
25°	154	164	169	168	161	89
35°	17	22	30	22	17	14
45°	1	2	3	2	1	1
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	

TEST NUMBER: P1319085

CATALOG NUMBER: LDSQA3D09R309835DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2844.6	2844.6	2844.6	2844.6	2844.6
1°	2845.7	2843.5	2843.5	2840.0	2846.3
2°	2835.5	2833.2	2837.2	2834.3	2842.3
3°	2820.0	2817.2	2822.9	2824.6	2828.6
4°	2797.2	2794.9	2801.2	2804.6	2815.5
5°	2764.7	2763.5	2768.1	2772.7	2783.5
6°	2720.1	2718.4	2721.3	2727.0	2733.8
7°	2655.6	2652.2	2654.5	2655.6	2657.4
8°	2574.0	2568.9	2566.0	2572.3	2575.7
9°	2469.0	2463.3	2457.0	2454.7	2462.7
10°	2334.2	2325.7	2323.4	2317.7	2309.7
11°	2177.8	2171.0	2169.3	2159.0	2154.4
12°	1998.6	1995.2	1999.2	1992.9	1990.6
13°	1826.8	1805.1	1802.2	1790.2	1783.9
14°	1623.5	1603.5	1603.0	1596.7	1605.3
15°	1412.9	1399.2	1396.3	1407.2	1401.5
17.5°	900.8	910.0	907.7	902.0	892.3
20°	519.5	513.2	522.3	524.6	521.8
22.5°	276.9	279.2	280.9	287.7	292.3
25°	154.1	164.4	169.0	168.4	161.0
27.5°	95.9	102.2	110.7	105.0	98.8
30°	59.4	64.5	75.4	65.1	61.7
32.5°	32.0	40.5	48.5	40.5	33.1
35°	16.6	21.7	30.3	22.3	17.1
37.5°	10.8	12.6	19.4	12.6	10.8
40°	6.3	8.0	11.4	8.0	6.3
42.5°	2.9	4.6	6.3	4.6	2.9
45°	1.1	1.7	3.4	2.3	1.1
47.5°	0.0	0.6	1.7	0.6	0.0
50°	0.0	0.0	0.6	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



TEST NUMBER: P1319085

CATALOG NUMBER: LDSQA3D09R309835DE010 3LSQCDR1MMS

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)