

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: P1316440

Luminaire Tested: LDSQA3D09R359740DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316440
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R359740DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R35 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

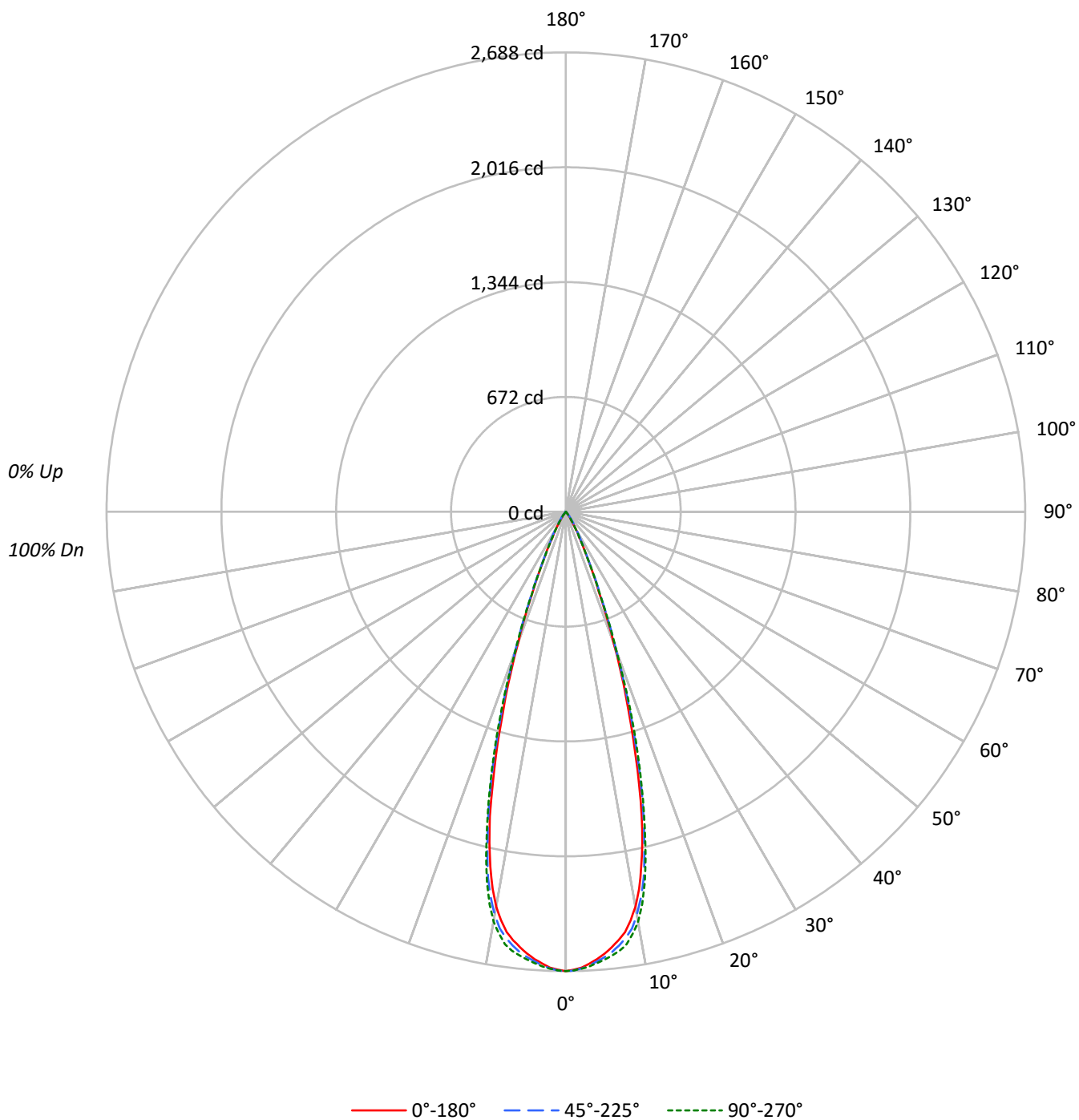
Lumens per Lamp: N/A
Luminaire Lumens: 895.0 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Spacing Criteria (0/90/45): 0.57 / 0.58 / 0.52
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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	100	99	98
1	115	113	111	109	113	111	109	107	107	105	104	103	102	101	100	99	98	96	95	94
2	111	107	104	102	109	106	103	100	102	100	98	100	98	96	97	96	94	93	92	91
3	107	102	99	96	105	101	98	95	99	96	94	96	94	92	94	92	91	89	88	87
4	104	98	94	91	102	97	93	90	95	92	89	93	91	88	92	89	87	86	85	84
5	100	94	90	87	99	93	90	87	92	88	86	90	87	85	89	86	84	83	82	81
6	97	91	86	83	96	90	86	83	89	85	83	88	84	82	86	84	82	80	79	78
7	94	88	83	80	93	87	83	80	86	82	80	85	82	79	84	81	79	77	76	75
8	91	85	80	77	91	84	80	77	83	80	77	82	79	77	81	79	76	74	73	72
9	89	82	78	75	88	81	77	75	81	77	74	80	77	74	79	76	74	71	70	69
10	86	79	75	72	85	79	75	72	78	75	72	78	74	72	77	74	72	69	67	65

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	462952	462952	462952
5°	448902	452100	454537
10°	410215	418889	426076
15°	294994	307885	310417
20°	150194	157727	158112
25°	56989	58186	56571
30°	22134	25654	21577
35°	7611	11921	7148
40°	2540	4631	2383
45°	170	1559	170
50°	0	188	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: 1559 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.3	27.2
10°-20°	453.4	50.7
20°-30°	163.0	18.2
30°-40°	31.8	3.6
40°-50°	3.5	0.4
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°	859.6	96.0
0°-40°	891.4	99.6
0°-60°	895.0	100.0
0°-90°	895.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	895.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2688	2688	2688	2688	2688	
5°	2597	2604	2615	2627	2629	241
15°	1654	1682	1727	1739	1741	440
25°	300	303	306	304	298	157
35°	36	41	57	42	34	27
45°	1	2	6	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°	2688.1	2688.1	2688.1	2688.1	2688.1
1°	2680.3	2683.8	2684.5	2689.5	2683.8
2°	2668.9	2671.1	2673.9	2678.1	2675.3
3°	2647.0	2651.2	2657.6	2663.3	2663.3
4°	2623.6	2629.2	2637.0	2647.0	2646.2
5°	2596.6	2603.7	2615.1	2627.1	2629.2
6°	2562.6	2571.1	2589.5	2606.5	2609.4
7°	2526.4	2539.2	2556.9	2581.7	2588.1
8°	2483.9	2493.8	2519.4	2548.4	2555.5
9°	2421.5	2436.4	2469.0	2496.0	2500.2
10°	2345.7	2356.3	2395.3	2423.7	2436.4
11°	2247.9	2263.5	2301.7	2330.8	2339.3
12°	2123.1	2145.8	2190.4	2211.7	2218.8
13°	1988.4	2007.5	2042.3	2068.5	2074.2
14°	1836.7	1855.1	1891.3	1912.6	1907.6
15°	1654.5	1682.2	1726.8	1738.9	1741.0
17.5°	1222.1	1239.8	1279.5	1298.7	1312.1
20°	819.5	836.5	860.6	873.3	862.7
22.5°	498.3	512.5	525.3	524.6	521.0
25°	299.9	302.7	306.2	304.1	297.7
27.5°	175.1	182.9	193.5	186.4	175.8
30°	111.3	117.7	129.0	117.0	108.5
32.5°	58.8	74.4	86.5	70.2	61.7
35°	36.2	41.1	56.7	41.8	34.0
37.5°	22.0	25.5	35.4	24.8	19.8
40°	11.3	16.3	20.6	14.9	10.6
42.5°	3.5	7.8	11.3	7.1	3.5
45°	0.7	2.1	6.4	2.1	0.7
47.5°	0.0	0.0	2.8	0.7	0.0
50°	0.0	0.0	0.7	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)