

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: P1310571

Luminaire Tested: LDSQA3D17R509035DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310571
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-27)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R509035DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

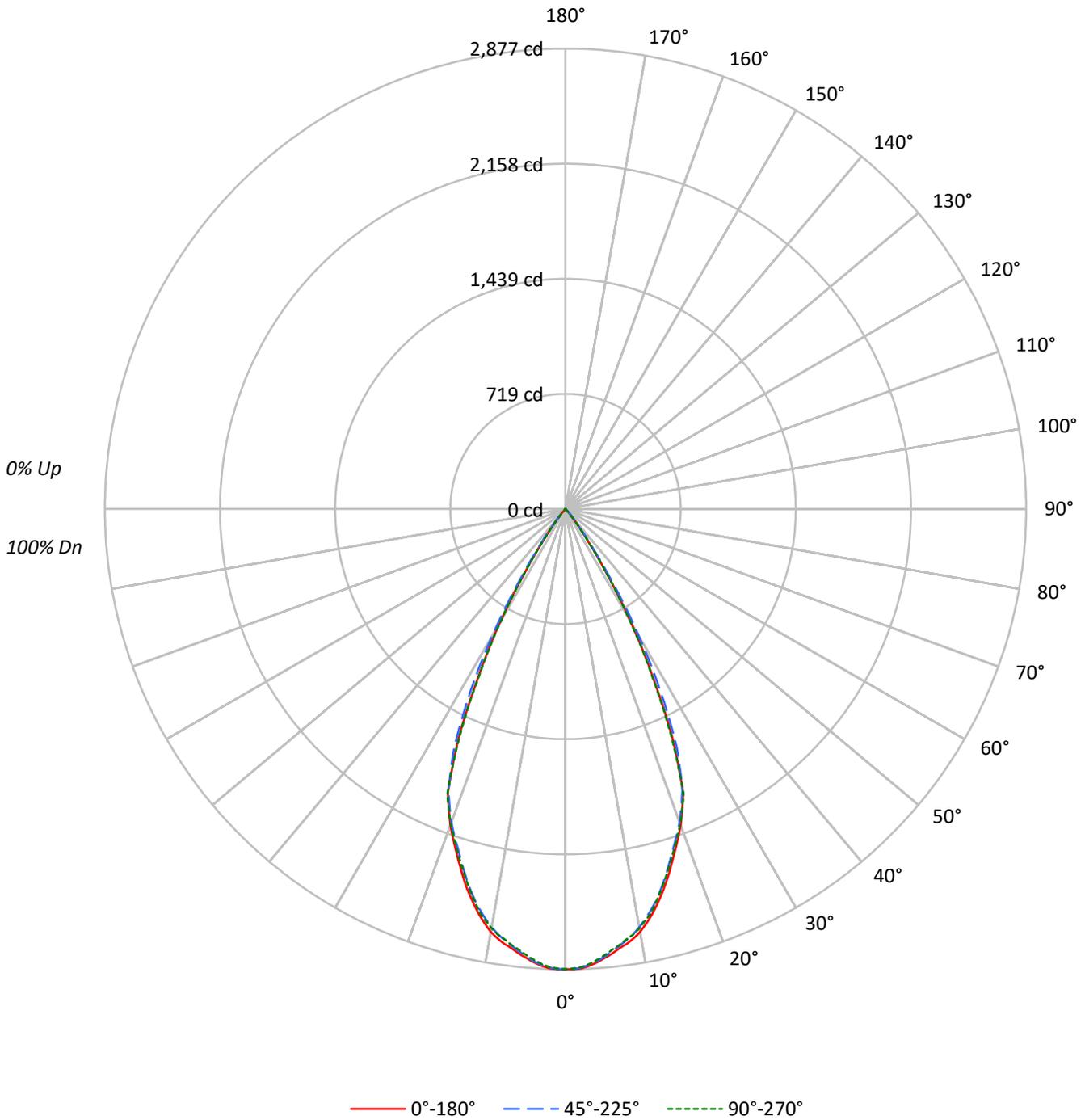
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1852.0 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.78
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

TEST NUMBER: P1310571
CATALOG NUMBER: LDSQA3D17R509035DE010 3LSQCDR1MB

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			0	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	114	112	109	107	112	110	108	106	106	104	102	102	101	99	98	97	97	97	97	97	95
2	109	105	101	98	107	103	100	97	100	98	95	97	95	93	95	93	91	91	91	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	91	88	86	86	86	86	85
4	100	94	89	85	99	93	88	85	90	87	84	89	85	83	87	84	82	82	82	82	80
5	96	89	84	80	95	88	83	79	86	82	79	85	81	78	83	80	77	77	77	77	76
6	92	84	79	75	91	83	79	75	82	78	74	81	77	74	79	76	73	73	73	73	72
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	70	70	70	69
8	85	76	71	67	83	76	71	67	75	70	67	74	70	67	73	69	66	66	66	66	65
9	81	73	67	64	80	72	67	64	71	67	64	70	66	63	70	66	63	63	63	63	62
10	78	69	64	61	77	69	64	61	68	64	60	67	63	60	67	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	495312	495312	495312
5°	486676	485293	483927
10°	469359	464270	465197
15°	431766	426328	427523
20°	385557	381909	384090
25°	300071	312651	296803
30°	162553	181505	159649
35°	51258	60992	50143
40°	11308	15782	10724
45°	317	4847	317
50°	0	697	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



TEST NUMBER: P1310571

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.5	14.2
10°-20°	669.5	36.1
20°-30°	705.1	38.1
30°-40°	201.4	10.9
40°-50°	12.5	0.7
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°	1638.1	88.4
0°-40°	1839.5	99.3
0°-60°	1852.0	100.0
0°-90°	1852.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1852.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2876	2876	2876	2876	2876	
5°	2815	2812	2807	2804	2799	265
15°	2422	2406	2391	2395	2398	675
25°	1579	1637	1645	1627	1562	691
35°	244	261	290	246	238	190
45°	1	7	20	7	1	8
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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2876.0	2876.0	2876.0	2876.0	2876.0
1°	2877.3	2878.6	2876.0	2878.6	2872.0
2°	2873.3	2870.7	2868.0	2869.4	2865.4
3°	2858.8	2857.4	2852.1	2853.5	2848.2
4°	2840.2	2836.3	2832.3	2829.6	2824.3
5°	2815.1	2812.4	2807.1	2804.5	2799.2
6°	2793.9	2788.6	2779.3	2776.6	2771.3
7°	2766.0	2763.4	2751.5	2748.8	2746.2
8°	2744.8	2736.9	2722.3	2723.6	2717.0
9°	2717.0	2706.4	2691.9	2691.9	2693.2
10°	2683.9	2668.0	2654.8	2658.7	2660.1
11°	2640.2	2629.6	2609.7	2619.0	2619.0
12°	2592.5	2579.3	2564.7	2572.6	2577.9
13°	2536.9	2526.3	2513.0	2521.0	2518.3
14°	2482.5	2462.7	2453.4	2464.0	2460.0
15°	2421.6	2405.7	2391.1	2395.1	2397.8
17.5°	2258.7	2241.4	2230.8	2232.2	2244.1
20°	2103.7	2097.1	2083.8	2089.1	2095.7
22.5°	1920.9	1923.5	1907.6	1911.6	1927.5
25°	1579.1	1637.4	1645.3	1626.8	1561.9
27.5°	1169.7	1257.2	1283.7	1241.3	1161.8
30°	817.4	841.2	912.7	831.9	802.8
32.5°	479.6	515.3	553.7	498.1	478.2
35°	243.8	261.0	290.1	246.4	238.5
37.5°	112.6	120.6	132.5	112.6	106.0
40°	50.3	59.6	70.2	57.0	47.7
42.5°	15.9	27.8	37.1	25.2	14.6
45°	1.3	6.6	19.9	6.6	1.3
47.5°	0.0	1.3	7.9	1.3	0.0
50°	0.0	0.0	2.6	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



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CATALOG NUMBER: LDSQA3D17R509035DE010 3LSQCDR1MB

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)