

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: P1318700

Luminaire Tested: LDSQA3D20R509830D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318700
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-39)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R509830D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

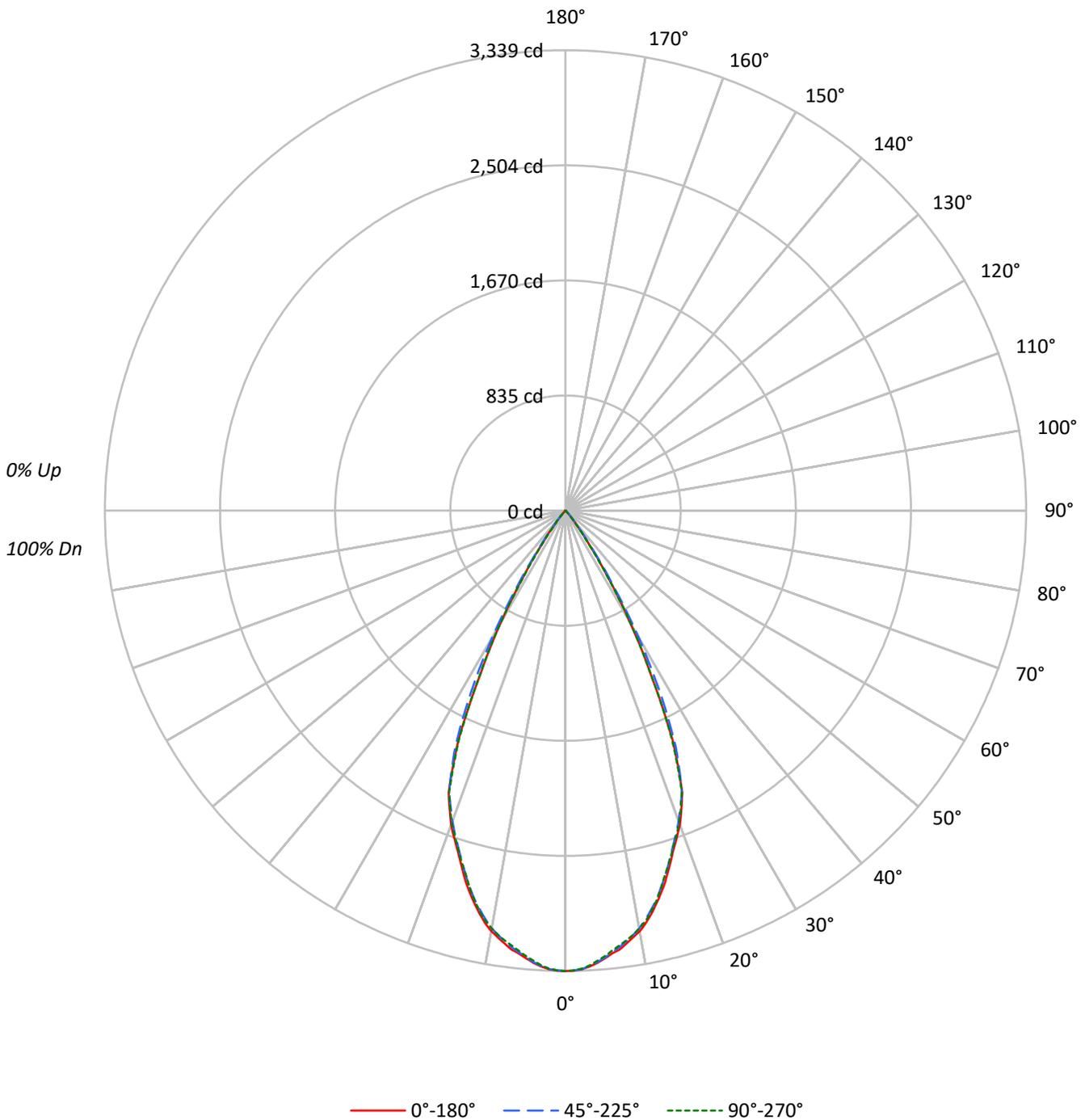
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2152.0 lumens
Efficiency: N/A
Efficacy: 78.5 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): 27.4
Input Voltage (V): NR
Input Current (A_{in}): 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			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	109	107	106	105	104	102	102	100	99	98	97	96	96	96	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	91	91	91	90
3	105	99	94	91	103	98	93	90	95	92	89	93	90	87	90	88	86	86	86	86	85
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	81	81	81	81	80
5	96	88	83	79	94	88	83	79	86	82	78	84	81	78	83	80	77	77	77	77	76
6	92	84	79	75	90	83	78	75	82	77	74	80	77	74	79	76	73	73	73	73	72
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	69	69	69	68
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	66	66	66	65
9	81	72	67	64	80	72	67	63	71	66	63	70	66	63	69	66	63	63	63	63	62
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	66	63	60	60	60	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	575103	575103	575103
5°	563832	562778	561187
10°	541777	538034	538296
15°	497344	492709	492174
20°	444315	439550	441786
25°	349212	359378	346305
30°	186834	209306	187431
35°	61013	71294	57481
40°	15108	18885	14433
45°	1851	6698	1851
50°	1232	2036	1232
55°	1381	1381	1381
60°	1068	1068	1068
65°	1263	1263	1263
70°	755	755	755
75°	998	998	998
80°	1488	1488	1488
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 6698 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	305.3	14.2
10°-20°	772.3	35.9
20°-30°	812.2	37.7
30°-40°	234.1	10.9
40°-50°	19.0	0.9
50°-60°	4.1	0.2
60°-70°	3.0	0.1
70°-80°	1.6	0.1
80°-90°	0.4	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°	1889.8	87.8
0°-40°	2123.9	98.7
0°-60°	2147.1	99.8
0°-90°	2152.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2152.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3339	3339	3339	3339	3339	
5°	3261	3260	3255	3258	3246	306
15°	2789	2771	2763	2763	2760	777
25°	1838	1884	1891	1870	1822	796
35°	290	301	339	290	273	224
45°	8	15	28	15	8	14
55°	5	5	5	5	5	4
65°	3	3	3	3	3	3
75°	2	2	2	2	2	2
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°	3339.3	3339.3	3339.3	3339.3	3339.3
1°	3337.8	3340.8	3334.7	3345.4	3336.3
2°	3330.1	3331.7	3328.6	3336.3	3324.0
3°	3311.8	3314.9	3308.8	3314.9	3304.2
4°	3290.4	3290.4	3284.3	3288.9	3275.2
5°	3261.4	3259.9	3255.3	3258.4	3246.1
6°	3230.9	3229.3	3221.7	3221.7	3212.5
7°	3207.9	3197.2	3191.1	3189.6	3180.4
8°	3171.3	3168.2	3156.0	3156.0	3149.9
9°	3134.6	3131.6	3117.8	3120.9	3116.3
10°	3098.0	3087.3	3076.6	3078.1	3078.1
11°	3049.1	3039.9	3024.6	3030.7	3033.8
12°	2991.0	2980.3	2966.6	2978.8	2977.3
13°	2926.9	2917.7	2907.0	2916.2	2913.1
14°	2859.7	2845.9	2836.7	2842.8	2839.8
15°	2789.4	2771.0	2763.4	2763.4	2760.4
17.5°	2592.3	2581.6	2574.0	2569.4	2580.1
20°	2424.3	2415.1	2398.3	2402.9	2410.5
22.5°	2213.5	2212.0	2202.8	2195.1	2204.3
25°	1837.7	1883.5	1891.2	1869.8	1822.4
27.5°	1335.1	1442.0	1480.2	1429.8	1342.8
30°	939.5	989.9	1052.5	953.2	942.5
32.5°	566.7	580.5	638.5	569.8	554.5
35°	290.2	300.9	339.1	290.2	273.4
37.5°	136.0	142.1	157.3	136.0	126.8
40°	67.2	74.9	84.0	70.3	64.2
42.5°	29.0	38.2	48.9	36.7	26.0
45°	7.6	15.3	27.5	15.3	7.6
47.5°	4.6	6.1	15.3	6.1	4.6
50°	4.6	4.6	7.6	4.6	4.6
52.5°	4.6	4.6	4.6	4.6	4.6
55°	4.6	4.6	4.6	4.6	4.6
57.5°	4.6	4.6	4.6	4.6	4.6
60°	3.1	4.6	3.1	4.6	3.1
62.5°	3.1	3.1	3.1	3.1	3.1
65°	3.1	3.1	3.1	3.1	3.1
67.5°	3.1	3.1	3.1	3.1	3.1
70°	1.5	1.5	1.5	1.5	1.5
72.5°	1.5	1.5	1.5	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5
82.5°	0.0	1.5	0.0	1.5	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)