

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: P1317822

Luminaire Tested: LDSQA3D20R509827D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317822
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: LDSQA3D20R509827D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

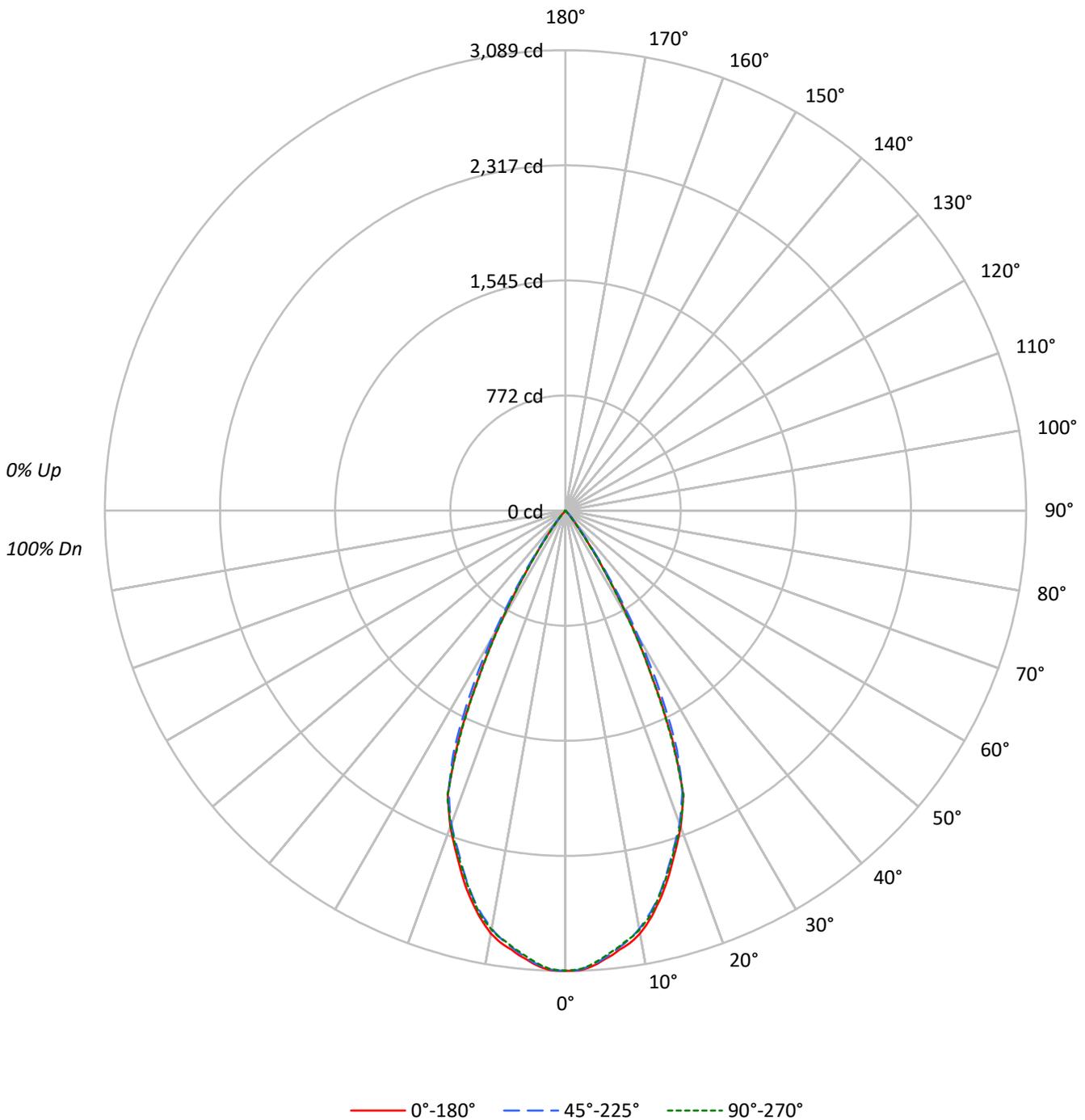
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1988.0 lumens
Efficiency: N/A
Efficacy: 72.6 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	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°	531686	531686	531686
5°	522410	520924	519454
10°	503828	498354	499351
15°	463468	457637	458903
20°	413873	409951	412297
25°	322095	335606	318599
30°	174485	194848	171362
35°	55021	65470	53823
40°	12140	16951	11511
45°	341	5188	341
50°	0	750	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: 5188 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.8	14.2
10°-20°	718.6	36.1
20°-30°	756.9	38.1
30°-40°	216.2	10.9
40°-50°	13.4	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°	1758.4	88.4
0°-40°	1974.5	99.3
0°-60°	1988.0	100.0
0°-90°	1988.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1988.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3087	3087	3087	3087	3087	
5°	3022	3019	3013	3010	3005	284
15°	2599	2582	2567	2571	2574	724
25°	1695	1758	1766	1746	1677	742
35°	262	280	311	264	256	204
45°	1	7	21	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°	3087.2	3087.2	3087.2	3087.2	3087.2
1°	3088.6	3090.0	3087.2	3090.0	3082.9
2°	3084.3	3081.5	3078.7	3080.1	3075.8
3°	3068.7	3067.3	3061.6	3063.0	3057.3
4°	3048.8	3044.5	3040.3	3037.4	3031.7
5°	3021.8	3018.9	3013.2	3010.4	3004.7
6°	2999.0	2993.3	2983.4	2980.5	2974.9
7°	2969.2	2966.3	2953.5	2950.7	2947.8
8°	2946.4	2937.9	2922.2	2923.7	2916.5
9°	2916.5	2905.2	2889.5	2889.5	2891.0
10°	2881.0	2863.9	2849.7	2854.0	2855.4
11°	2834.1	2822.7	2801.4	2811.3	2811.3
12°	2782.9	2768.7	2753.0	2761.5	2767.2
13°	2723.2	2711.8	2697.6	2706.1	2703.2
14°	2664.9	2643.5	2633.6	2644.9	2640.7
15°	2599.4	2582.4	2566.7	2571.0	2573.8
17.5°	2424.5	2406.0	2394.7	2396.1	2408.9
20°	2258.2	2251.0	2236.8	2242.5	2249.6
22.5°	2061.9	2064.8	2047.7	2052.0	2069.0
25°	1695.0	1757.6	1766.1	1746.2	1676.6
27.5°	1255.6	1349.5	1377.9	1332.4	1247.1
30°	877.4	903.0	979.8	893.0	861.7
32.5°	514.8	553.2	594.4	534.7	513.3
35°	261.7	280.1	311.4	264.5	256.0
37.5°	120.9	129.4	142.2	120.9	113.8
40°	54.0	64.0	75.4	61.1	51.2
42.5°	17.1	29.9	39.8	27.0	15.6
45°	1.4	7.1	21.3	7.1	1.4
47.5°	0.0	1.4	8.5	1.4	0.0
50°	0.0	0.0	2.8	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)