

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: P1309599

Luminaire Tested: LDSQA3D20R509030D010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309599
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: LDSQA3D20R509030D010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R50 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

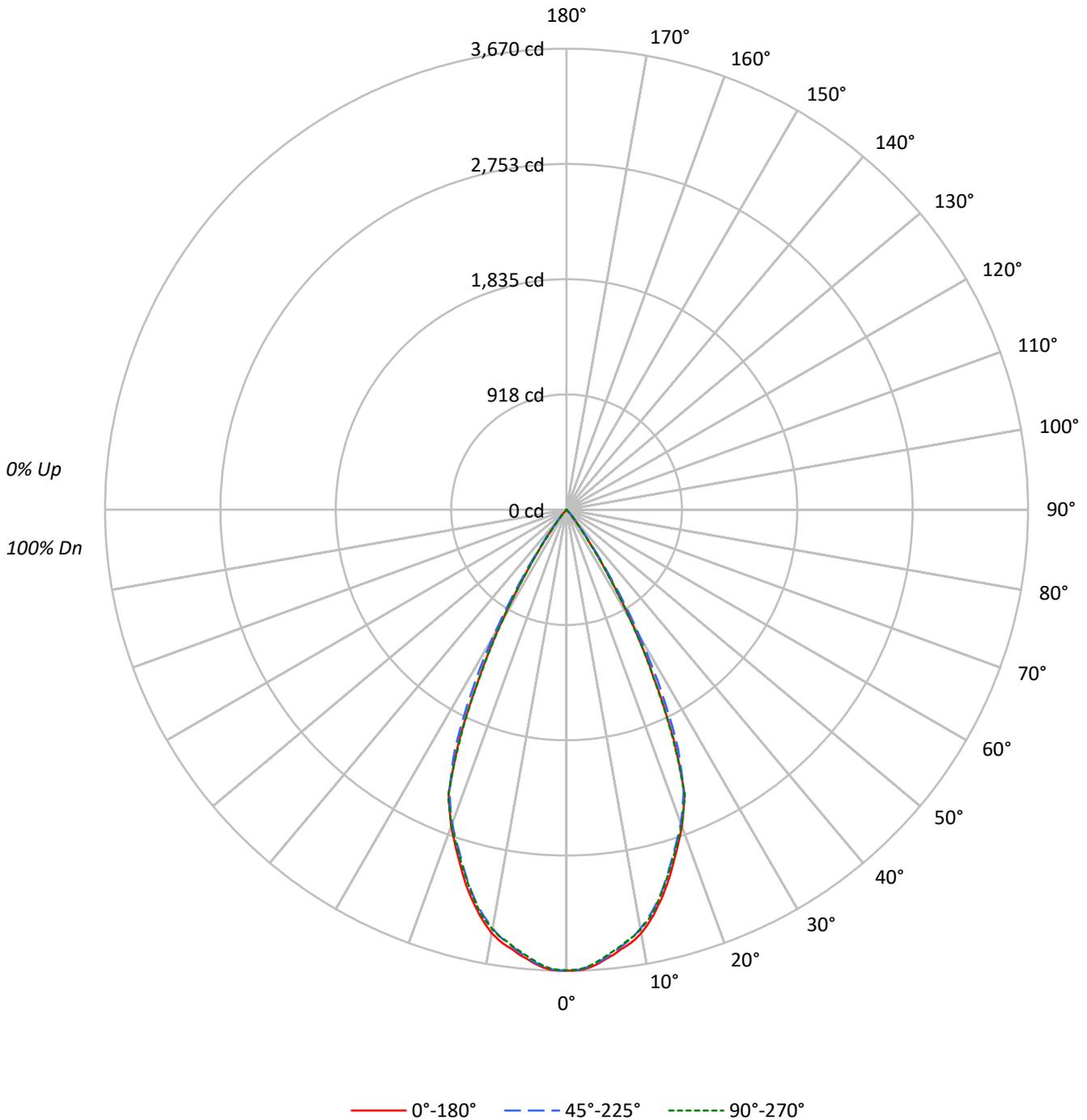
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2362.0 lumens
Efficiency: N/A
Efficacy: 82.0 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): 28.8
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			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°	631713	631713	631713
5°	620693	618929	617183
10°	598612	592107	593296
15°	550673	543738	545253
20°	491728	487073	489859
25°	382695	398752	378533
30°	207297	231499	203618
35°	65365	77791	63936
40°	14433	20121	13669
45°	414	6162	414
50°	0	911	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: 6162 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	336.0	14.2
10°-20°	853.8	36.1
20°-30°	899.3	38.1
30°-40°	256.8	10.9
40°-50°	15.9	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°	2089.2	88.4
0°-40°	2346.0	99.3
0°-60°	2362.0	100.0
0°-90°	2362.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2362.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3668	3668	3668	3668	3668	
5°	3590	3587	3580	3577	3570	338
15°	3088	3068	3050	3055	3058	860
25°	2014	2088	2098	2075	1992	881
35°	311	333	370	314	304	243
45°	2	8	25	8	2	10
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°	3668.0	3668.0	3668.0	3668.0	3668.0
1°	3669.7	3671.4	3668.0	3671.4	3662.9
2°	3664.6	3661.2	3657.8	3659.5	3654.5
3°	3646.0	3644.3	3637.6	3639.3	3632.5
4°	3622.4	3617.3	3612.2	3608.8	3602.1
5°	3590.3	3586.9	3580.1	3576.7	3570.0
6°	3563.2	3556.5	3544.6	3541.3	3534.5
7°	3527.7	3524.4	3509.2	3505.8	3502.4
8°	3500.7	3490.6	3472.0	3473.7	3465.2
9°	3465.2	3451.7	3433.1	3433.1	3434.8
10°	3423.0	3402.7	3385.8	3390.9	3392.6
11°	3367.2	3353.7	3328.4	3340.2	3340.2
12°	3306.4	3289.5	3270.9	3281.1	3287.8
13°	3235.5	3221.9	3205.0	3215.2	3211.8
14°	3166.2	3140.8	3129.0	3142.5	3137.5
15°	3088.5	3068.2	3049.6	3054.7	3058.1
17.5°	2880.7	2858.7	2845.2	2846.9	2862.1
20°	2683.0	2674.5	2657.6	2664.4	2672.8
22.5°	2449.8	2453.2	2432.9	2438.0	2458.3
25°	2013.9	2088.3	2098.4	2074.7	1992.0
27.5°	1491.9	1603.4	1637.2	1583.1	1481.7
30°	1042.4	1072.9	1164.1	1061.0	1023.9
32.5°	611.6	657.2	706.2	635.3	609.9
35°	310.9	332.8	370.0	314.3	304.1
37.5°	143.6	153.7	169.0	143.6	135.2
40°	64.2	76.0	89.5	72.6	60.8
42.5°	20.3	35.5	47.3	32.1	18.6
45°	1.7	8.4	25.3	8.4	1.7
47.5°	0.0	1.7	10.1	1.7	0.0
50°	0.0	0.0	3.4	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)