

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: P1315976

Luminaire Tested: LDSQA3D20R509735D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315976
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: LDSQA3D20R509735D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 3500K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

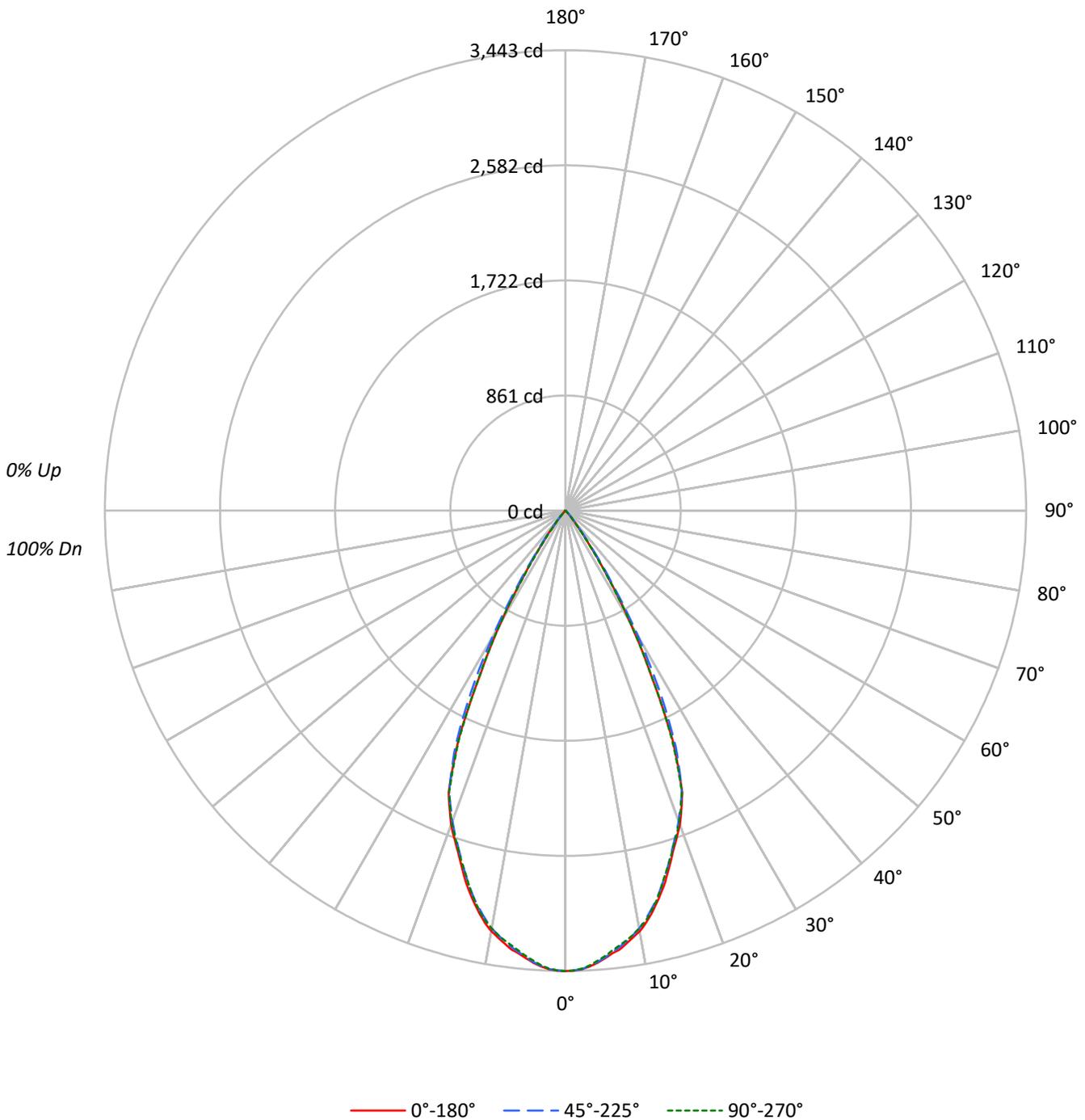
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2219.1 lumens
Efficiency: N/A
Efficacy: 77.1 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 (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°	593014	593014	593014
5°	581380	580291	578666
10°	558635	554788	555050
15°	512821	508042	507490
20°	458152	453240	455550
25°	360082	370552	357098
30°	192641	215829	193277
35°	62926	73523	59289
40°	15580	19469	14883
45°	1924	6917	1924
50°	1259	2117	1259
55°	1411	1411	1411
60°	1102	1102	1102
65°	1304	1304	1304
70°	806	806	806
75°	1065	1065	1065
80°	1587	1587	1587
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 6917 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	314.8	14.2
10°-20°	796.3	35.9
20°-30°	837.5	37.7
30°-40°	241.4	10.9
40°-50°	19.6	0.9
50°-60°	4.2	0.2
60°-70°	3.1	0.1
70°-80°	1.7	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°	1948.7	87.8
0°-40°	2190.0	98.7
0°-60°	2213.9	99.8
0°-90°	2219.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2219.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3443	3443	3443	3443	3443	
5°	3363	3361	3357	3360	3347	316
15°	2876	2857	2849	2849	2846	801
25°	1895	1942	1950	1928	1879	821
35°	299	310	350	299	282	231
45°	8	16	28	16	8	15
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°	3443.3	3443.3	3443.3	3443.3	3443.3
1°	3441.7	3444.9	3438.6	3449.6	3440.1
2°	3433.8	3435.4	3432.3	3440.1	3427.5
3°	3414.9	3418.1	3411.8	3418.1	3407.1
4°	3392.9	3392.9	3386.6	3391.3	3377.1
5°	3362.9	3361.4	3356.6	3359.8	3347.2
6°	3331.4	3329.9	3322.0	3322.0	3312.5
7°	3307.8	3296.8	3290.5	3288.9	3279.5
8°	3270.0	3266.9	3254.3	3254.3	3248.0
9°	3232.2	3229.1	3214.9	3218.0	3213.3
10°	3194.4	3183.4	3172.4	3173.9	3173.9
11°	3144.0	3134.5	3118.8	3125.1	3128.2
12°	3084.1	3073.1	3058.9	3071.5	3070.0
13°	3018.0	3008.5	2997.5	3007.0	3003.8
14°	2948.7	2934.5	2925.1	2931.4	2928.2
15°	2876.2	2857.3	2849.4	2849.4	2846.3
17.5°	2673.0	2662.0	2654.1	2649.4	2660.4
20°	2499.8	2490.3	2473.0	2477.7	2485.6
22.5°	2282.4	2280.8	2271.4	2263.5	2272.9
25°	1894.9	1942.2	1950.0	1928.0	1879.2
27.5°	1376.7	1486.9	1526.3	1474.3	1384.6
30°	968.7	1020.7	1085.3	982.9	971.9
32.5°	584.4	598.6	658.4	587.5	571.8
35°	299.3	310.3	349.7	299.3	282.0
37.5°	140.2	146.5	162.2	140.2	130.7
40°	69.3	77.2	86.6	72.5	66.2
42.5°	29.9	39.4	50.4	37.8	26.8
45°	7.9	15.8	28.4	15.8	7.9
47.5°	4.7	6.3	15.8	6.3	4.7
50°	4.7	4.7	7.9	4.7	4.7
52.5°	4.7	4.7	4.7	4.7	4.7
55°	4.7	4.7	4.7	4.7	4.7
57.5°	4.7	4.7	4.7	4.7	4.7
60°	3.2	4.7	3.2	4.7	3.2
62.5°	3.2	3.2	3.2	3.2	3.2
65°	3.2	3.2	3.2	3.2	3.2
67.5°	3.2	3.2	3.2	3.2	3.2
70°	1.6	1.6	1.6	1.6	1.6
72.5°	1.6	1.6	1.6	1.6	1.6
75°	1.6	1.6	1.6	1.6	1.6
77.5°	1.6	1.6	1.6	1.6	1.6
80°	1.6	1.6	1.6	1.6	1.6
82.5°	0.0	1.6	0.0	1.6	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)