

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: P1310728

Luminaire Tested: LDSQA3D20R559035D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310728
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-40)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D20R559035D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R55 optic, 3500K CCT AND, 90CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

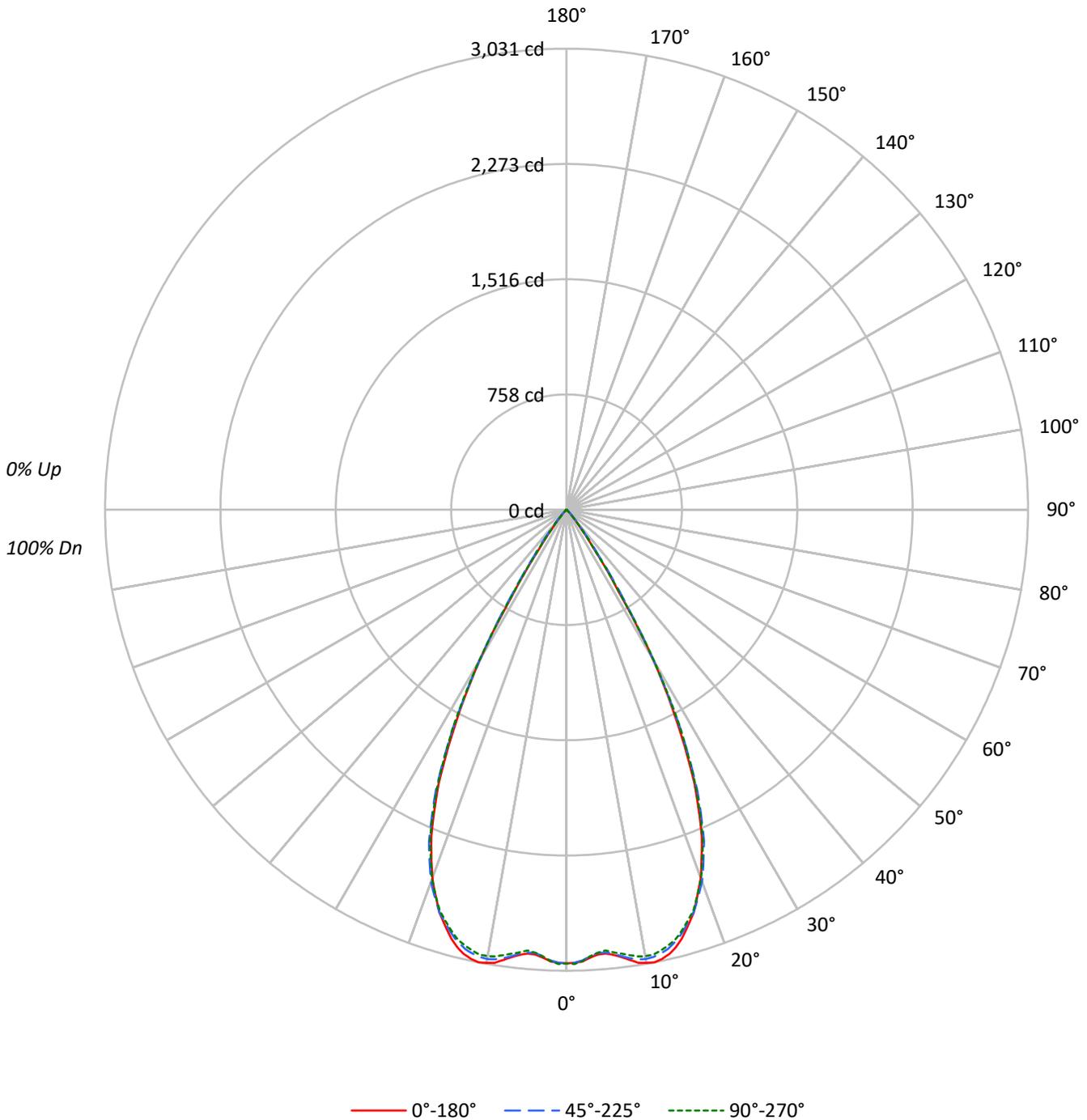
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2287.0 lumens
Efficiency: N/A
Efficacy: 79.4 lumens/watt
Spacing Criteria (0/90/45): 0.93 / 0.93 / 0.82
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				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	111	109	107	112	109	107	105	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	92	91	91	91	91	89
3	104	98	94	90	102	97	93	90	94	91	88	92	89	87	90	88	86	86	86	86	84
4	100	93	88	84	98	92	87	84	90	86	83	88	84	82	86	83	81	81	81	81	79
5	95	88	82	79	94	87	82	78	85	81	78	83	80	77	82	79	76	76	76	76	75
6	91	83	78	74	90	82	77	74	81	76	73	79	76	73	78	75	72	72	72	72	71
7	87	79	73	70	86	78	73	69	77	72	69	76	72	69	75	71	68	68	68	68	67
8	83	75	69	66	82	74	69	66	73	69	65	72	68	65	71	68	65	65	65	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	61	61	61	60
10	77	68	62	59	76	67	62	59	67	62	59	66	62	59	65	61	58	58	58	58	57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	513620	513620	513620
5°	506263	505364	502961
10°	529150	524586	521246
15°	520880	516244	514069
20°	472319	477103	473602
25°	377697	385640	381992
30°	226508	226508	229272
35°	65449	77517	67636
40°	18773	25405	18773
45°	4238	9742	4238
50°	1876	3269	1393
55°	1561	1561	1561
60°	1791	1791	1791
65°	1426	1426	1426
70°	1762	1762	1762
75°	1131	1131	1131
80°	1686	1686	1686
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 9742 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	282.7	12.4
10°-20°	806.0	35.2
20°-30°	888.0	38.8
30°-40°	271.6	11.9
40°-50°	26.9	1.2
50°-60°	5.0	0.2
60°-70°	4.0	0.2
70°-80°	2.1	0.1
80°-90°	0.7	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°	1976.7	86.4
0°-40°	2248.3	98.3
0°-60°	2280.1	99.7
0°-90°	2287.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2287.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2982	2982	2982	2982	2982	
5°	2928	2928	2923	2914	2909	284
15°	2921	2916	2895	2883	2883	810
25°	1988	2007	2029	2048	2010	876
35°	311	327	369	339	322	255
45°	17	26	40	26	17	20
55°	5	5	5	5	5	5
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	0	0	0	0	0	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2982.3	2982.3	2982.3	2982.3	2982.3
1°	2978.8	2980.6	2978.8	2975.4	2987.5
2°	2971.9	2970.1	2964.9	2963.2	2968.4
3°	2949.3	2949.3	2942.3	2938.8	2940.6
4°	2931.9	2931.9	2921.4	2918.0	2919.7
5°	2928.4	2928.4	2923.2	2914.5	2909.3
6°	2942.3	2945.8	2933.6	2924.9	2924.9
7°	2963.2	2964.9	2956.2	2944.0	2940.6
8°	2989.3	2991.0	2977.1	2963.2	2956.2
9°	3015.3	3011.9	2992.7	2978.8	2973.6
10°	3025.8	3024.0	2999.7	2985.8	2980.6
11°	3031.0	3022.3	2994.5	2982.3	2980.6
12°	3018.8	3011.9	2982.3	2970.1	2964.9
13°	2998.0	2987.5	2963.2	2951.0	2944.0
14°	2964.9	2954.5	2931.9	2918.0	2919.7
15°	2921.4	2916.2	2895.4	2883.2	2883.2
17.5°	2777.1	2780.6	2775.4	2770.2	2766.7
20°	2577.1	2591.0	2603.2	2596.3	2584.1
22.5°	2321.5	2345.8	2359.8	2363.2	2340.6
25°	1987.6	2006.8	2029.4	2048.5	2010.2
27.5°	1572.0	1589.4	1610.3	1622.4	1617.2
30°	1139.0	1140.8	1139.0	1161.6	1152.9
32.5°	633.0	685.1	693.8	709.5	653.8
35°	311.3	326.9	368.7	339.1	321.7
37.5°	149.6	160.0	200.0	163.5	156.5
40°	83.5	90.4	113.0	93.9	83.5
42.5°	40.0	52.2	60.9	53.9	40.0
45°	17.4	26.1	40.0	26.1	17.4
47.5°	7.0	10.4	24.3	10.4	7.0
50°	7.0	5.2	12.2	5.2	5.2
52.5°	5.2	5.2	7.0	5.2	5.2
55°	5.2	5.2	5.2	5.2	5.2
57.5°	5.2	5.2	5.2	5.2	5.2
60°	5.2	5.2	5.2	5.2	5.2
62.5°	3.5	5.2	5.2	5.2	3.5
65°	3.5	3.5	3.5	3.5	3.5
67.5°	3.5	3.5	3.5	3.5	3.5
70°	3.5	3.5	3.5	3.5	3.5
72.5°	1.7	3.5	1.7	1.7	1.7
75°	1.7	1.7	1.7	1.7	1.7
77.5°	1.7	1.7	1.7	1.7	1.7
80°	1.7	1.7	1.7	1.7	1.7
82.5°	1.7	1.7	1.7	1.7	1.7
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)