

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: P1316948

Luminaire Tested: LDSQA3D20R509740D010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316948
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: LDSQA3D20R509740D010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R50 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

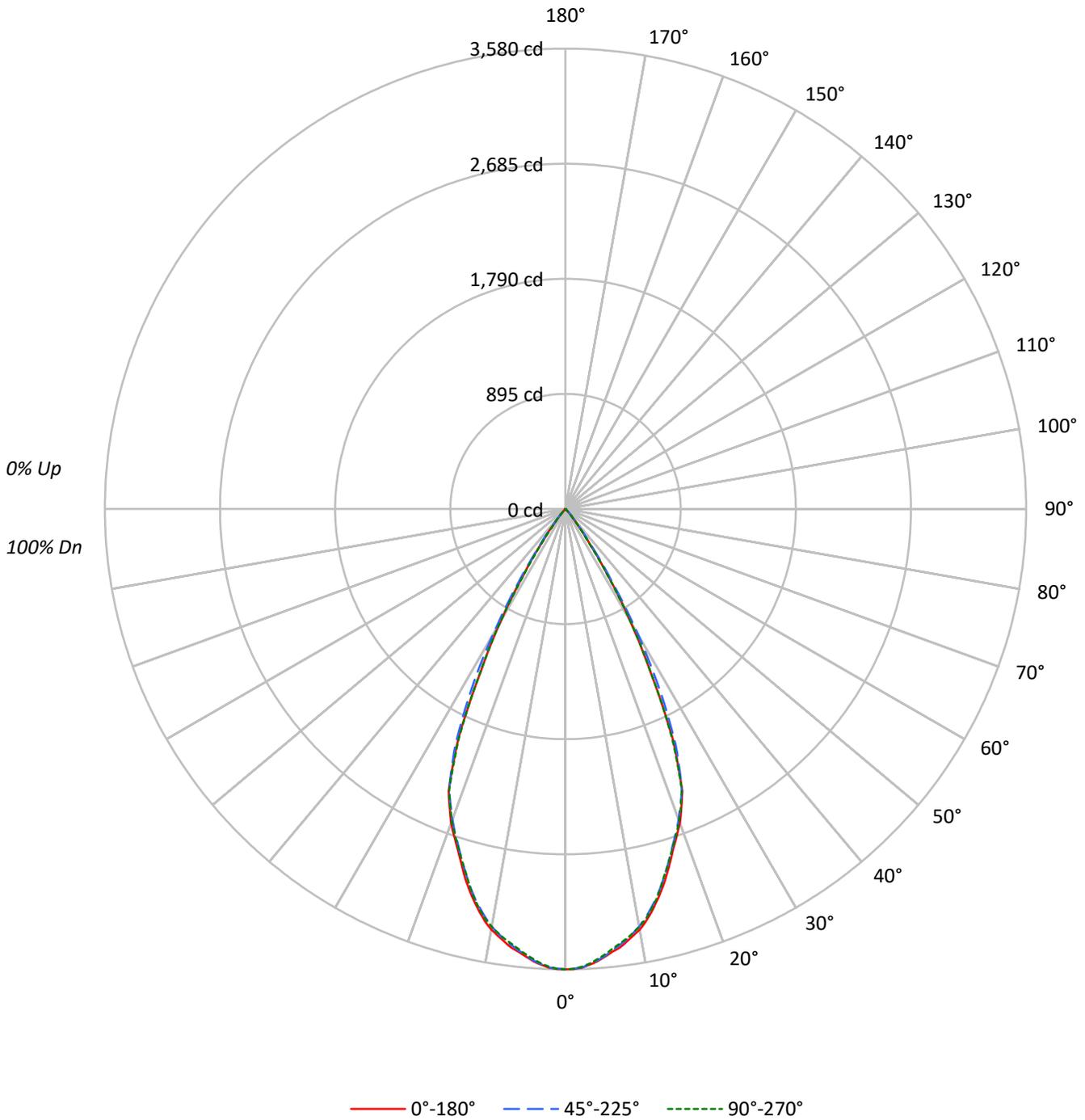
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2307.0 lumens
Efficiency: N/A
Efficacy: 80.1 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				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°	616523	616523	616523
5°	604442	603318	601607
10°	580792	576787	577067
15°	533165	528190	527619
20°	476315	471220	473621
25°	374372	385260	371255
30°	200278	224380	200934
35°	65407	76445	61623
40°	16210	20256	15468
45°	1997	7185	1997
50°	1313	2197	1313
55°	1471	1471	1471
60°	1137	1137	1137
65°	1345	1345	1345
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: 7185 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	327.3	14.2
10°-20°	827.9	35.9
20°-30°	870.8	37.7
30°-40°	250.9	10.9
40°-50°	20.4	0.9
50°-60°	4.4	0.2
60°-70°	3.2	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°	2026.0	87.8
0°-40°	2276.9	98.7
0°-60°	2301.7	99.8
0°-90°	2307.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2307.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3580	3580	3580	3580	3580	
5°	3496	3495	3490	3493	3480	328
15°	2990	2971	2962	2962	2959	833
25°	1970	2019	2027	2004	1954	854
35°	311	323	364	311	293	240
45°	8	16	30	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	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3579.8	3579.8	3579.8	3579.8	3579.8
1°	3578.2	3581.5	3574.9	3586.4	3576.6
2°	3570.0	3571.6	3568.4	3576.6	3563.5
3°	3550.4	3553.6	3547.1	3553.6	3542.2
4°	3527.4	3527.4	3520.9	3525.8	3511.1
5°	3496.3	3494.7	3489.8	3493.0	3479.9
6°	3463.6	3461.9	3453.7	3453.7	3443.9
7°	3439.0	3427.5	3421.0	3419.3	3409.5
8°	3399.7	3396.4	3383.3	3383.3	3376.8
9°	3360.4	3357.1	3342.4	3345.7	3340.7
10°	3321.1	3309.6	3298.2	3299.8	3299.8
11°	3268.7	3258.9	3242.5	3249.0	3252.3
12°	3206.5	3195.0	3180.3	3193.4	3191.7
13°	3137.7	3127.8	3116.4	3126.2	3122.9
14°	3065.6	3050.9	3041.1	3047.6	3044.3
15°	2990.3	2970.6	2962.4	2962.4	2959.2
17.5°	2779.0	2767.6	2759.4	2754.5	2765.9
20°	2598.9	2589.1	2571.1	2576.0	2584.2
22.5°	2372.9	2371.3	2361.4	2353.3	2363.1
25°	1970.1	2019.2	2027.4	2004.4	1953.7
27.5°	1431.3	1545.9	1586.9	1532.8	1439.5
30°	1007.1	1061.2	1128.3	1021.9	1010.4
32.5°	607.6	622.3	684.5	610.8	594.5
35°	311.1	322.6	363.6	311.1	293.1
37.5°	145.7	152.3	168.7	145.7	135.9
40°	72.1	80.2	90.1	75.3	68.8
42.5°	31.1	40.9	52.4	39.3	27.8
45°	8.2	16.4	29.5	16.4	8.2
47.5°	4.9	6.6	16.4	6.6	4.9
50°	4.9	4.9	8.2	4.9	4.9
52.5°	4.9	4.9	4.9	4.9	4.9
55°	4.9	4.9	4.9	4.9	4.9
57.5°	4.9	4.9	4.9	4.9	4.9
60°	3.3	4.9	3.3	4.9	3.3
62.5°	3.3	3.3	3.3	3.3	3.3
65°	3.3	3.3	3.3	3.3	3.3
67.5°	3.3	3.3	3.3	3.3	3.3
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)