

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: P1317659

Luminaire Tested: LDSQA3D17R409827DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317659
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-26)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R409827DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

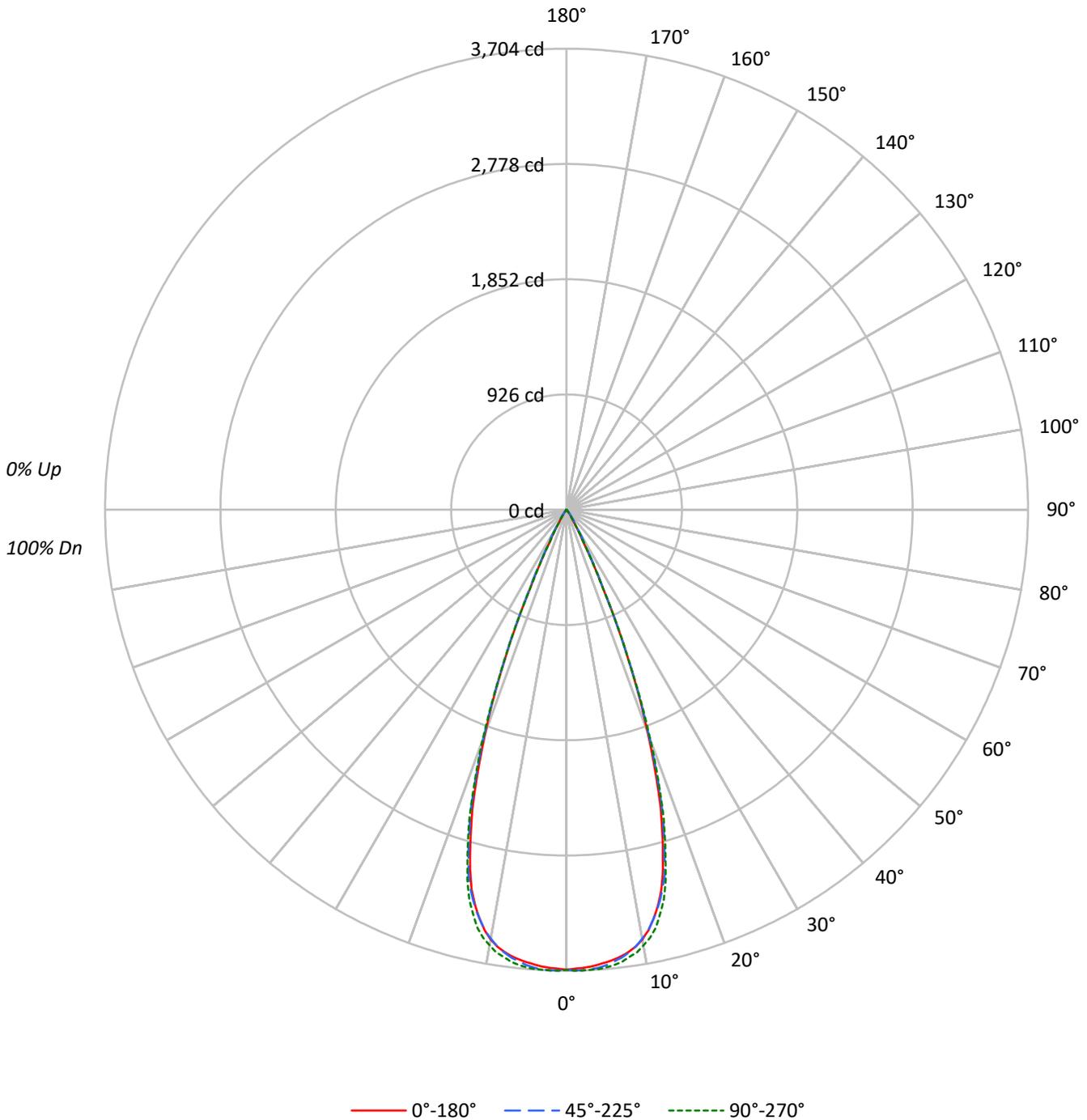
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1554.0 lumens
Efficiency: N/A
Efficacy: 76.2 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.69 / 0.6
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 20.4
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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	113	111	109	112	110	109	107	106	105	104	103	102	101	99	99	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	97	95	94	94	94	92
3	107	102	98	95	105	101	97	94	98	95	93	96	93	91	94	92	90	90	90	89
4	103	97	93	90	102	96	92	89	94	91	88	92	90	87	91	88	87	87	87	85
5	100	93	89	86	98	93	88	85	91	87	85	89	86	84	88	85	83	83	83	82
6	96	90	85	82	95	89	85	82	88	84	81	86	83	81	85	82	80	80	80	79
7	93	86	82	79	92	86	81	78	85	81	78	83	80	78	82	80	77	77	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	75	75	75	73
9	87	80	76	73	86	80	75	73	79	75	72	78	75	72	77	74	72	72	72	71
10	85	77	73	70	84	77	73	70	76	72	70	76	72	70	75	72	70	70	70	69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	636449	636449	636449
5°	630927	634904	637929
10°	612952	611816	621382
15°	533236	541830	548462
20°	349983	356801	361401
25°	124772	132050	124144
30°	27205	36770	27424
35°	8746	15180	8515
40°	2698	4676	2451
45°	268	1607	268
50°	0	295	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: 1607 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.6	22.2
10°-20°	804.8	51.8
20°-30°	361.0	23.2
30°-40°	39.0	2.5
40°-50°	3.6	0.2
50°-60°	0.0	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°	1511.4	97.3
0°-40°	1550.4	99.8
0°-60°	1554.0	100.0
0°-90°	1554.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1554.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3696	3696	3696	3696	3696	
5°	3650	3659	3672	3678	3690	344
15°	2991	3013	3039	3056	3076	795
25°	657	676	695	707	653	350
35°	42	48	72	47	40	32
45°	1	2	7	2	1	2
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°	3695.5	3695.5	3695.5	3695.5	3695.5
1°	3687.8	3695.5	3702.0	3696.5	3704.2
2°	3684.5	3693.3	3703.1	3697.6	3704.2
3°	3675.8	3686.7	3697.6	3694.4	3700.9
4°	3663.7	3672.5	3688.9	3688.9	3698.7
5°	3649.5	3659.3	3672.5	3677.9	3690.0
6°	3634.2	3639.6	3649.5	3660.4	3676.9
7°	3614.5	3614.5	3626.5	3637.5	3659.3
8°	3587.1	3584.9	3593.7	3607.9	3627.6
9°	3553.2	3545.5	3552.1	3572.9	3602.4
10°	3505.0	3498.5	3498.5	3524.7	3553.2
11°	3442.7	3440.5	3441.6	3466.7	3505.0
12°	3358.4	3360.6	3360.6	3389.0	3436.1
13°	3263.2	3262.1	3272.0	3303.7	3335.4
14°	3147.2	3153.8	3163.6	3192.1	3224.9
15°	2990.7	3012.6	3038.9	3056.4	3076.1
17.5°	2514.7	2536.6	2572.7	2586.9	2591.3
20°	1909.6	1941.3	1946.8	1975.2	1971.9
22.5°	1280.3	1278.1	1282.5	1285.8	1286.9
25°	656.6	676.3	694.9	706.9	653.3
27.5°	285.6	319.5	343.6	311.9	288.9
30°	136.8	155.4	184.9	156.5	137.9
32.5°	74.4	86.4	117.1	85.4	73.3
35°	41.6	48.1	72.2	47.1	40.5
37.5°	24.1	26.3	39.4	26.3	23.0
40°	12.0	15.3	20.8	15.3	10.9
42.5°	4.4	7.7	10.9	7.7	4.4
45°	1.1	2.2	6.6	2.2	1.1
47.5°	0.0	0.0	3.3	0.0	0.0
50°	0.0	0.0	1.1	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)