

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: P1317660

Luminaire Tested: LDSQA3D17R409827DE010 3LSQCDR1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317660
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-38)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R409827DE010 3LSQCDR1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 2700K CCT AND, 98CRI , 3LSQCDR1MW TRIM
Light Source: -
Ballast/Driver: -

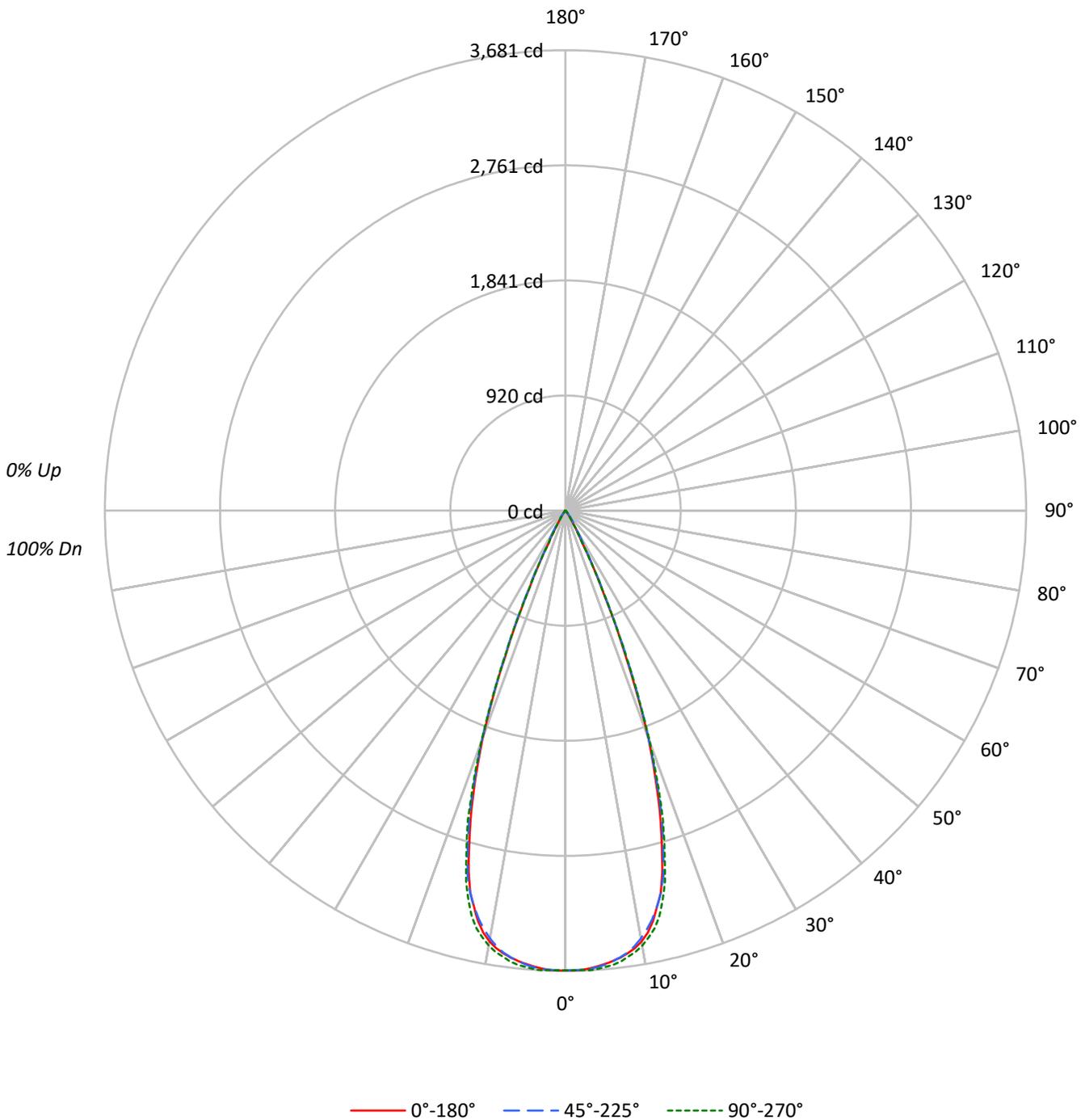
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1556.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 0.69 / 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 (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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	115	112	110	109	112	110	109	107	106	105	104	103	102	101	99	98	98	98	98	96
2	111	107	104	101	109	105	102	100	102	100	98	99	97	96	96	95	94	94	94	92
3	107	102	98	95	105	100	97	94	98	95	93	96	93	91	93	91	90	90	90	88
4	103	97	93	90	101	96	92	89	94	91	88	92	89	87	91	88	86	86	86	85
5	99	93	89	85	98	92	88	85	91	87	84	89	86	84	88	85	83	83	83	82
6	96	89	85	82	95	89	84	81	87	84	81	86	83	80	85	82	80	80	80	79
7	93	86	81	78	92	85	81	78	84	80	78	83	80	77	82	79	77	77	77	76
8	90	83	78	75	89	82	78	75	81	77	75	80	77	74	80	76	74	74	74	73
9	87	80	75	72	86	79	75	72	79	75	72	78	74	72	77	74	72	72	72	71
10	84	77	73	70	84	77	73	70	76	72	70	75	72	69	75	71	69	69	69	68

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	633177	633177	633177
5°	628974	629925	633330
10°	611938	607356	617499
15°	533182	538656	547036
20°	355151	356966	360375
25°	129123	133076	129750
30°	27424	36770	27424
35°	9671	16336	9209
40°	3440	5171	3440
45°	804	2143	804
50°	589	884	589
55°	661	661	661
60°	758	758	758
65°	448	897	448
70°	554	554	554
75°	732	732	732
80°	0	0	0
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
 Vertical Angle: 45°
 Luminance: 2143 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.5	22.1
10°-20°	800.6	51.5
20°-30°	360.3	23.2
30°-40°	41.0	2.6
40°-50°	5.9	0.4
50°-60°	2.0	0.1
60°-70°	1.7	0.1
70°-80°	1.0	0.1
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°	1504.4	96.7
0°-40°	1545.4	99.3
0°-60°	1553.3	99.8
0°-90°	1556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1556.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3676	3676	3676	3676	3676	
5°	3638	3634	3644	3660	3663	343
15°	2990	2998	3021	3045	3068	794
25°	680	684	700	700	683	352
35°	46	51	78	49	44	34
45°	3	6	9	6	3	4
55°	2	2	2	2	2	2
65°	1	2	2	2	1	1
75°	1	1	1	1	1	1
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°	3676.5	3676.5	3676.5	3676.5	3676.5
1°	3678.7	3675.4	3674.3	3680.9	3675.4
2°	3675.4	3673.2	3674.3	3680.9	3676.5
3°	3665.6	3666.7	3669.9	3682.0	3680.9
4°	3653.5	3652.4	3659.0	3674.3	3674.3
5°	3638.2	3633.8	3643.7	3660.1	3663.4
6°	3620.7	3615.2	3622.9	3643.7	3651.3
7°	3601.0	3590.1	3596.6	3621.8	3631.6
8°	3574.7	3560.5	3568.2	3593.3	3601.0
9°	3541.9	3520.0	3526.6	3557.2	3572.6
10°	3499.2	3471.9	3473.0	3506.9	3531.0
11°	3439.1	3408.4	3409.5	3452.2	3477.4
12°	3359.2	3331.8	3337.3	3376.7	3417.2
13°	3250.9	3243.2	3249.8	3292.4	3329.6
14°	3145.8	3138.2	3150.2	3189.6	3207.1
15°	2990.4	2998.1	3021.1	3045.2	3068.1
17.5°	2498.1	2527.6	2555.0	2571.4	2591.1
20°	1937.8	1903.9	1947.7	1928.0	1966.3
22.5°	1250.7	1275.8	1286.8	1275.8	1280.2
25°	679.5	683.9	700.3	700.3	682.8
27.5°	288.9	311.8	332.6	325.0	288.9
30°	137.9	158.7	184.9	159.8	137.9
32.5°	77.7	91.9	119.3	89.7	75.5
35°	46.0	51.4	77.7	49.2	43.8
37.5°	27.4	28.4	42.7	29.5	26.3
40°	15.3	18.6	23.0	18.6	15.3
42.5°	7.7	10.9	14.2	10.9	7.7
45°	3.3	5.5	8.8	5.5	3.3
47.5°	3.3	3.3	5.5	3.3	3.3
50°	2.2	2.2	3.3	2.2	2.2
52.5°	2.2	2.2	2.2	2.2	2.2
55°	2.2	2.2	2.2	2.2	2.2
57.5°	2.2	2.2	2.2	2.2	2.2
60°	2.2	2.2	2.2	2.2	2.2
62.5°	2.2	2.2	2.2	2.2	2.2
65°	1.1	2.2	2.2	2.2	1.1
67.5°	1.1	1.1	1.1	1.1	1.1
70°	1.1	1.1	1.1	1.1	1.1
72.5°	1.1	1.1	1.1	1.1	1.1
75°	1.1	1.1	1.1	1.1	1.1
77.5°	1.1	1.1	1.1	1.1	1.1
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)