

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: P1316424

Luminaire Tested: LDSQA3D09R309740DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316424
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309740DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R30 optic, 4000K CCT AND, 97CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

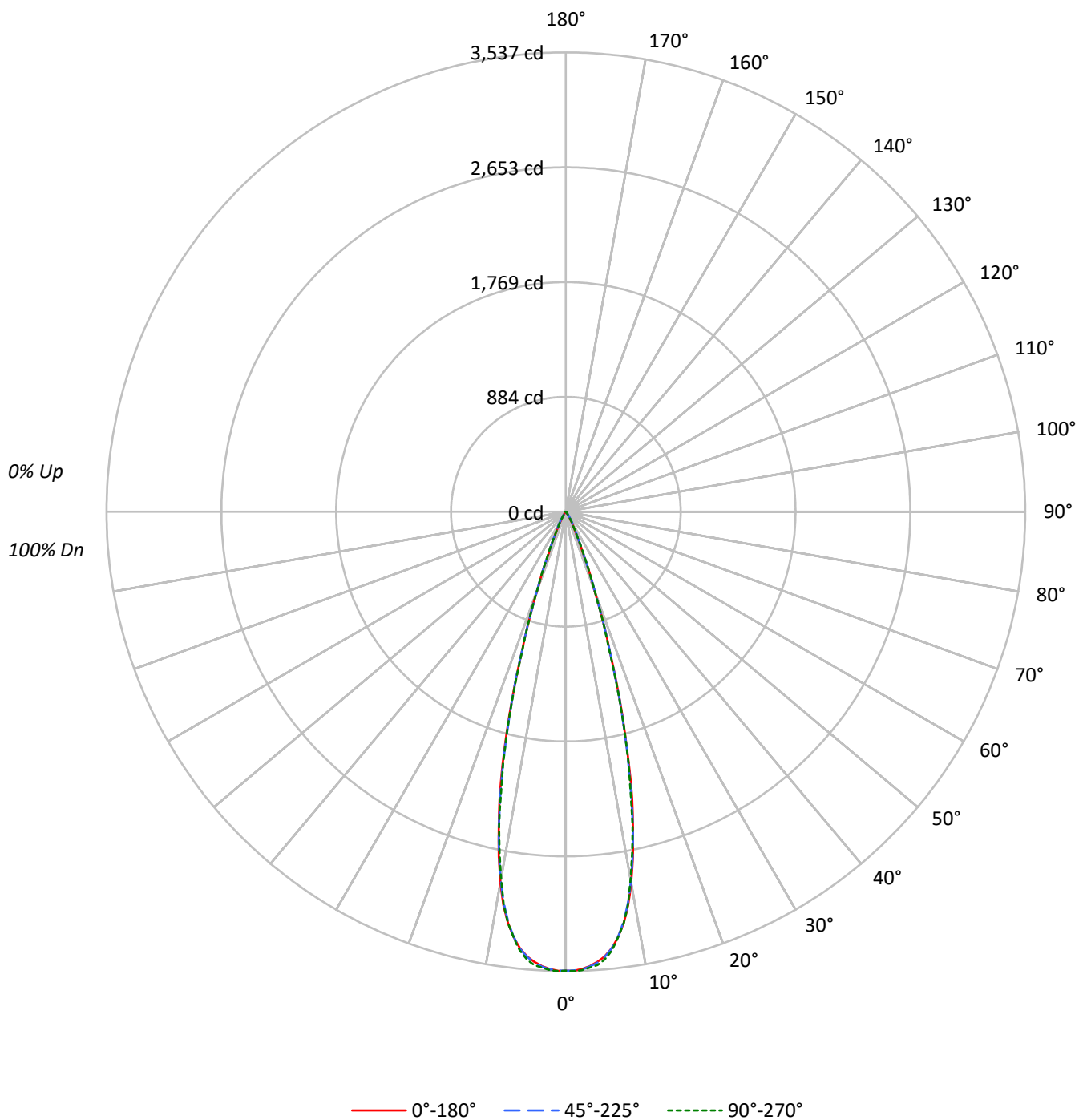
Lumens per Lamp: N/A
Luminaire Lumens: 912.0 lumens
Efficiency: N/A
Efficacy: 82.2 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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
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	100	99	99
1	115	113	111	110	113	111	109	108	107	106	105	103	102	101	100	99	99	97	96	95
2	112	108	105	103	109	106	104	102	103	101	99	100	99	97	98	96	95	94	93	92
3	108	104	100	97	106	102	99	97	100	97	95	98	95	94	95	94	92	91	90	89
4	105	100	96	93	103	99	95	92	97	94	91	95	92	90	93	91	89	88	87	86
5	102	96	92	89	101	95	92	89	94	91	88	92	90	87	91	89	87	86	85	84
6	99	93	89	86	98	92	89	86	91	88	85	90	87	85	89	86	84	83	82	81
7	96	90	86	83	95	90	86	83	89	85	83	87	85	82	87	84	82	81	80	79
8	94	88	84	81	93	87	83	81	86	83	80	85	82	80	84	82	80	79	78	77
9	91	85	81	78	91	85	81	78	84	80	78	83	80	78	82	80	78	77	76	75
10	89	83	79	76	88	82	79	76	82	78	76	81	78	76	80	78	76	75	74	73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	608704	608704	608704
5°	593862	594605	597907
10°	507203	504842	501869
15°	313002	309329	310470
20°	118304	118946	118818
25°	36390	39906	38005
30°	14676	18614	15233
35°	4331	7905	4478
40°	1754	3192	1754
45°	341	1047	341
50°	0	188	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: 1047 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	311.7	34.2
10°-20°	461.6	50.6
20°-30°	114.5	12.6
30°-40°	21.5	2.4
40°-50°	2.7	0.3
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°	887.8	97.3
0°-40°	909.3	99.7
0°-60°	912.0	100.0
0°-90°	912.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	912.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3534	3534	3534	3534	3534	
5°	3435	3434	3439	3445	3458	312
15°	1756	1738	1735	1748	1741	464
25°	192	204	210	209	200	110
35°	21	27	38	28	21	17
45°	1	2	4	3	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3534.4	3534.4	3534.4	3534.4	3534.4
1°	3535.8	3533.0	3533.0	3528.8	3536.6
2°	3523.1	3520.2	3525.2	3521.7	3531.6
3°	3503.9	3500.4	3507.5	3509.6	3514.6
4°	3475.6	3472.7	3480.5	3484.8	3498.3
5°	3435.1	3433.7	3439.4	3445.1	3458.5
6°	3379.8	3377.7	3381.2	3388.3	3396.8
7°	3299.7	3295.4	3298.2	3299.7	3301.8
8°	3198.2	3191.8	3188.3	3196.1	3200.3
9°	3067.7	3060.6	3052.8	3050.0	3059.9
10°	2900.3	2889.7	2886.8	2879.7	2869.8
11°	2706.0	2697.5	2695.3	2682.6	2676.9
12°	2483.2	2479.0	2484.0	2476.2	2473.3
13°	2269.8	2242.8	2239.3	2224.4	2216.6
14°	2017.2	1992.4	1991.7	1983.9	1994.5
15°	1755.5	1738.5	1734.9	1748.4	1741.3
17.5°	1119.3	1130.6	1127.8	1120.7	1108.6
20°	645.5	637.7	649.0	651.8	648.3
22.5°	344.0	346.8	349.0	357.5	363.2
25°	191.5	204.3	210.0	209.2	200.0
27.5°	119.2	127.0	137.6	130.5	122.7
30°	73.8	80.2	93.6	80.9	76.6
32.5°	39.7	50.4	60.3	50.4	41.1
35°	20.6	27.0	37.6	27.7	21.3
37.5°	13.5	15.6	24.1	15.6	13.5
40°	7.8	9.9	14.2	9.9	7.8
42.5°	3.5	5.7	7.8	5.7	3.5
45°	1.4	2.1	4.3	2.8	1.4
47.5°	0.0	0.7	2.1	0.7	0.0
50°	0.0	0.0	0.7	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)