

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: P1307958

Luminaire Tested: LDSQA3D09R309027DE010 3LSQCDR1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1307958
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: LDSQA3D09R309027DE010 3LSQCDR1MB
Description: 3in Adjustable LED luminaire with, R30 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MB TRIM
Light Source: -
Ballast/Driver: -

Summary

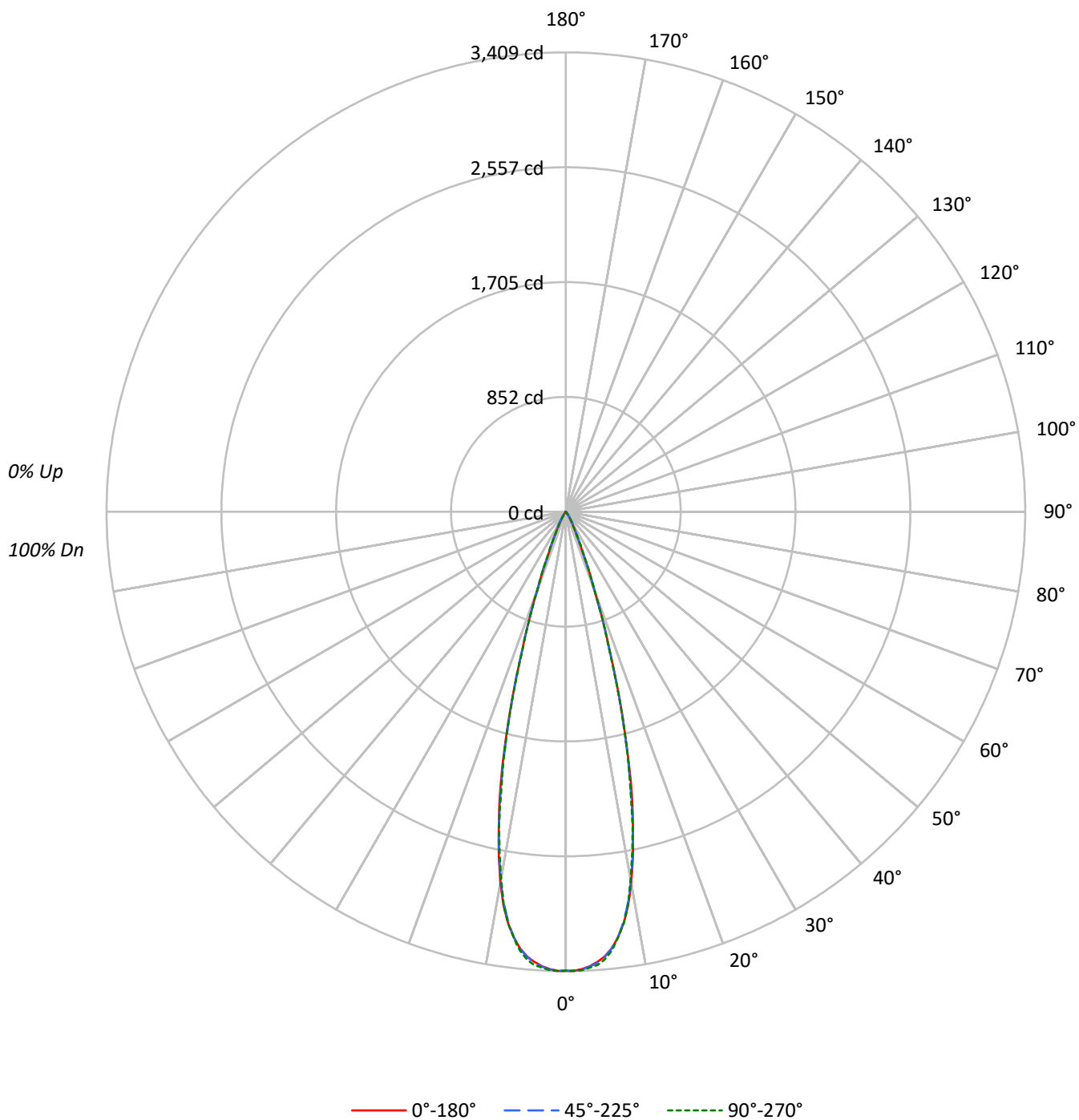
Lumens per Lamp: N/A
Luminaire Lumens: 879.0 lumens
Efficiency: N/A
Efficacy: 79.2 lumens/watt
Spacing Criteria (0/90/45): 0.51 / 0.51 / 0.46
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	586676	586676	586676
5°	572373	573082	576280
10°	488858	486585	483717
15°	301680	298150	299238
20°	114016	114639	114511
25°	35079	38461	36637
30°	14139	17938	14676
35°	4163	7611	4310
40°	1686	3080	1686
45°	341	999	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: 999 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.5	34.2
10°-20°	444.9	50.6
20°-30°	110.3	12.6
30°-40°	20.7	2.4
40°-50°	2.6	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°	855.7	97.3
0°-40°	876.4	99.7
0°-60°	879.0	100.0
0°-90°	879.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	879.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3406	3406	3406	3406	3406	
5°	3311	3310	3315	3320	3333	301
15°	1692	1676	1672	1685	1678	447
25°	185	197	202	202	193	106
35°	20	26	36	27	20	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°	3406.5	3406.5	3406.5	3406.5	3406.5
1°	3407.9	3405.2	3405.2	3401.1	3408.6
2°	3395.6	3392.9	3397.7	3394.2	3403.8
3°	3377.1	3373.7	3380.6	3382.6	3387.4
4°	3349.8	3347.1	3354.6	3358.7	3371.7
5°	3310.8	3309.5	3314.9	3320.4	3333.4
6°	3257.5	3255.5	3258.9	3265.7	3273.9
7°	3180.3	3176.2	3178.9	3180.3	3182.3
8°	3082.5	3076.3	3072.9	3080.4	3084.5
9°	2956.7	2949.9	2942.4	2939.6	2949.2
10°	2795.4	2785.1	2782.4	2775.5	2766.0
11°	2608.1	2599.9	2597.8	2585.5	2580.0
12°	2393.4	2389.3	2394.1	2386.6	2383.8
13°	2187.6	2161.6	2158.2	2143.9	2136.3
14°	1944.2	1920.3	1919.6	1912.1	1922.4
15°	1692.0	1675.6	1672.2	1685.2	1678.3
17.5°	1078.8	1089.7	1087.0	1080.1	1068.5
20°	622.1	614.6	625.5	628.3	624.8
22.5°	331.6	334.3	336.3	344.6	350.0
25°	184.6	196.9	202.4	201.7	192.8
27.5°	114.9	122.4	132.6	125.8	118.3
30°	71.1	77.3	90.2	77.9	73.8
32.5°	38.3	48.5	58.1	48.5	39.7
35°	19.8	26.0	36.2	26.7	20.5
37.5°	13.0	15.0	23.2	15.0	13.0
40°	7.5	9.6	13.7	9.6	7.5
42.5°	3.4	5.5	7.5	5.5	3.4
45°	1.4	2.1	4.1	2.7	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)