

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: P1308042

Luminaire Tested: LDSQA3D09R709027DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1308042
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-31)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R709027DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

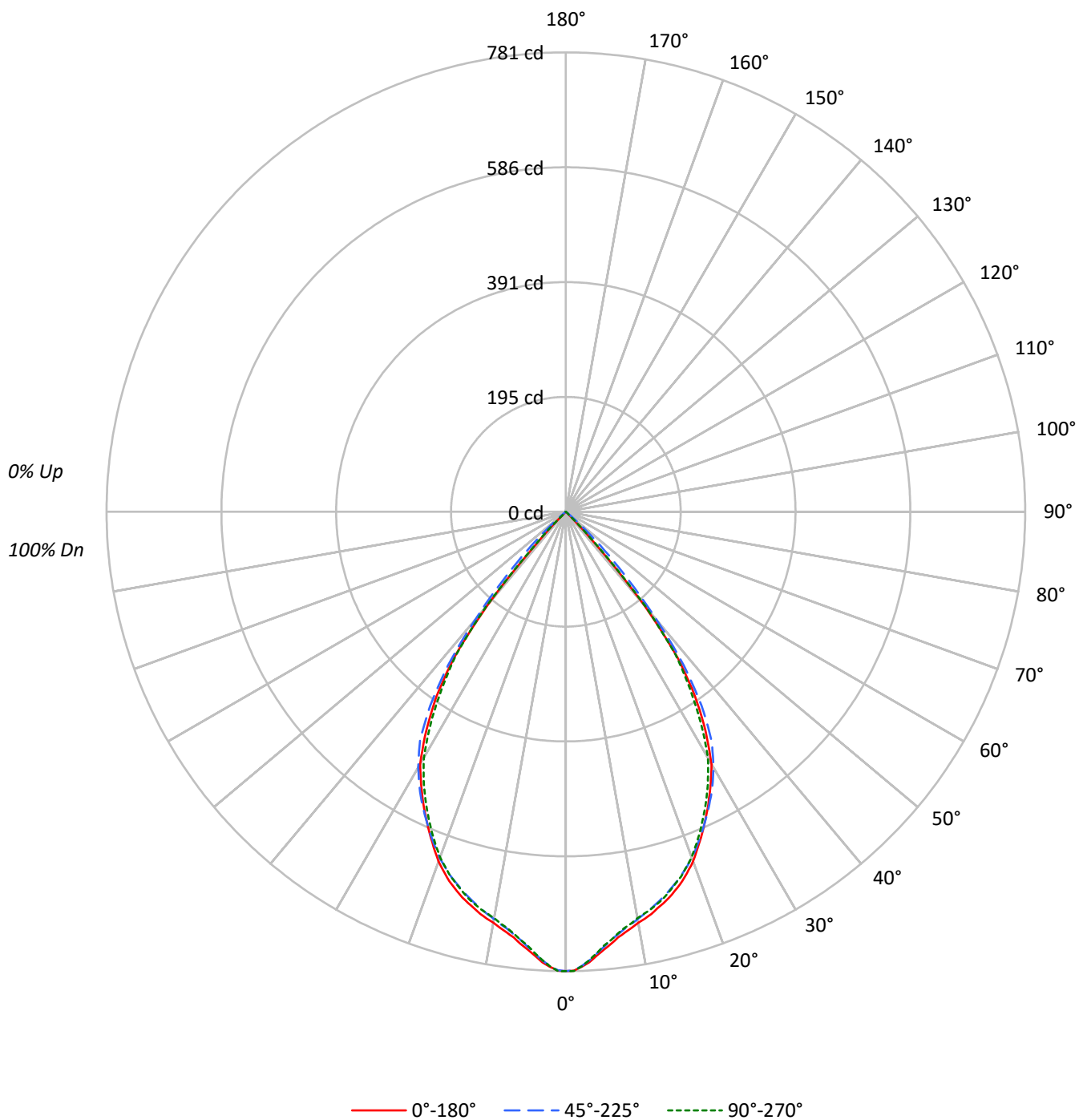
Lumens per Lamp: N/A
Luminaire Lumens: 808.0 lumens
Efficiency: N/A
Efficacy: 72.8 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	113	111	108	106	111	108	106	104	104	103	101		101	99	98		97
2	108	103	98	95	105	101	97	94	98	95	92		95	92	90		92
3	102	95	90	86	100	94	89	85	91	87	84		89	86	83		87
4	96	89	83	79	95	88	82	78	85	81	77		83	79	76		81
5	91	83	77	72	90	82	76	72	80	75	71		78	74	71		77
6	86	77	71	67	85	76	71	66	75	70	66		73	69	65		72
7	82	72	66	62	80	71	66	61	70	65	61		69	64	61		68
8	78	68	61	57	76	67	61	57	66	61	57		65	60	57		64
9	74	63	57	53	72	63	57	53	62	57	53		61	56	53		60
10	70	60	54	50	69	59	53	50	58	53	49		58	53	49		57

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	134506	134506	134506
5°	129107	128398	128053
10°	124042	122958	122713
15°	121100	119388	119638
20°	115958	114840	114584
25°	107631	107897	106206
30°	98518	99870	96072
35°	80587	84476	77433
40°	46403	54069	47617
45°	658	22456	2338
50°	0	2385	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: 22456 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.7	8.6
10°-20°	188.8	23.4
20°-30°	259.4	32.1
30°-40°	235.2	29.1
40°-50°	54.7	6.8
50°-60°	0.3	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°	517.9	64.1
0°-40°	753.1	93.2
0°-60°	808.0	100.0
0°-90°	808.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	808.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	781	781	781	781	781	
5°	747	745	743	741	741	70
15°	679	674	670	670	671	191
25°	566	569	568	562	559	260
35°	383	389	402	385	368	230
45°	3	31	92	40	10	33
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°	781.0	781.0	781.0	781.0	781.0
1°	780.3	779.0	779.6	780.3	781.0
2°	774.2	772.8	772.8	773.5	773.5
3°	766.7	763.9	763.9	763.2	763.2
4°	756.4	754.4	753.0	752.3	752.3
5°	746.8	744.8	742.7	741.4	740.7
6°	738.6	735.2	732.5	731.8	732.5
7°	729.1	727.0	724.3	722.2	722.9
8°	722.2	719.5	716.1	714.7	714.7
9°	716.1	713.4	709.9	707.2	708.6
10°	709.3	706.5	703.1	701.1	701.7
11°	704.5	701.1	697.0	695.6	696.3
12°	699.0	694.9	690.8	690.1	691.5
13°	692.2	688.1	684.0	684.0	685.3
14°	686.0	681.2	677.1	677.1	679.2
15°	679.2	674.4	669.6	669.6	671.0
17.5°	658.7	654.6	649.8	649.8	650.5
20°	632.7	630.7	626.6	624.5	625.2
22.5°	599.9	599.9	597.9	594.5	593.1
25°	566.4	569.2	567.8	562.3	558.9
27.5°	531.6	536.4	537.1	528.9	522.7
30°	495.4	499.5	502.2	492.7	483.1
32.5°	442.1	454.4	461.2	448.2	428.4
35°	383.3	388.8	401.8	384.7	368.3
37.5°	311.6	318.4	329.3	315.7	306.1
40°	206.4	233.7	240.5	233.7	211.8
42.5°	74.5	131.2	157.8	133.9	87.5
45°	2.7	30.7	92.2	39.6	9.6
47.5°	0.0	0.7	41.7	1.4	0.0
50°	0.0	0.0	8.9	0.0	0.0
52.5°	0.0	0.0	0.7	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)