

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: P1309160

Luminaire Tested: LDSQA3D09R709030DE010 3LSQCDR1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1309160
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: LDSQA3D09R709030DE010 3LSQCDR1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 90CRI , 3LSQCDR1MMS TRIM
Light Source: -
Ballast/Driver: -

Summary

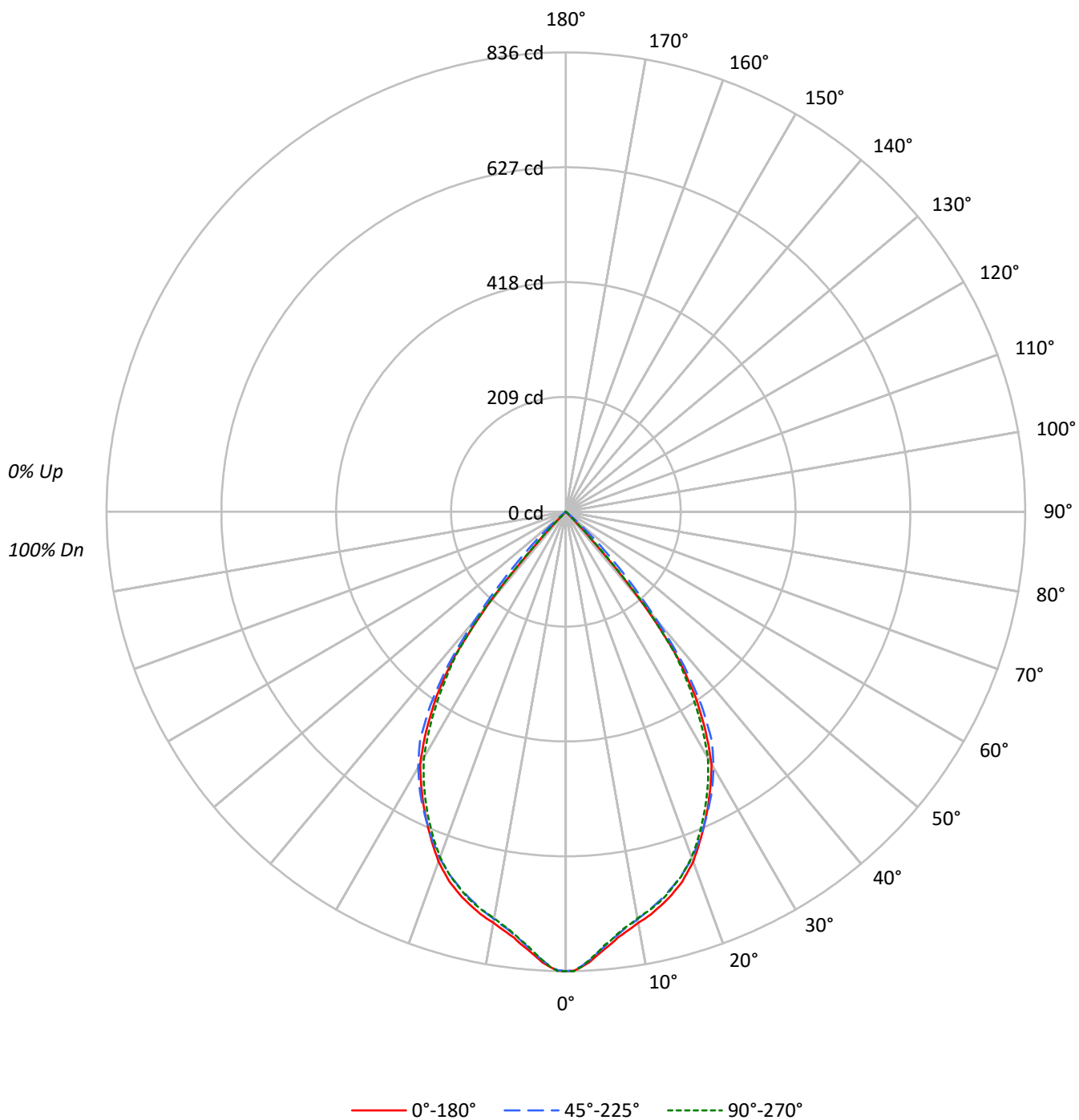
Lumens per Lamp: N/A
Luminaire Lumens: 865.0 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Spacing Criteria (0/90/45): 1 / 0.99 / 1.03
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

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°	143995	143995	143995
5°	138218	137457	137077
10°	132786	131632	131369
15°	129640	127822	128071
20°	124151	122941	122666
25°	115232	115517	113712
30°	105458	106910	102853
35°	86285	90426	82900
40°	49663	57891	50989
45°	706	24064	2484
50°	0	2545	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: 24064 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.6	8.6
10°-20°	202.1	23.4
20°-30°	277.7	32.1
30°-40°	251.8	29.1
40°-50°	58.5	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°	554.4	64.1
0°-40°	806.2	93.2
0°-60°	865.0	100.0
0°-90°	865.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	865.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	836	836	836	836	836	
5°	800	797	795	794	793	75
15°	727	722	717	717	718	204
25°	606	609	608	602	598	278
35°	410	416	430	412	394	247
45°	3	33	99	42	10	35
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°	836.1	836.1	836.1	836.1	836.1
1°	835.4	833.9	834.6	835.4	836.1
2°	828.8	827.3	827.3	828.1	828.1
3°	820.7	817.8	817.8	817.1	817.1
4°	809.8	807.6	806.1	805.4	805.4
5°	799.5	797.3	795.1	793.7	792.9
6°	790.7	787.1	784.2	783.4	784.2
7°	780.5	778.3	775.4	773.2	773.9
8°	773.2	770.3	766.6	765.1	765.1
9°	766.6	763.7	760.0	757.1	758.6
10°	759.3	756.4	752.7	750.5	751.2
11°	754.2	750.5	746.1	744.7	745.4
12°	748.3	743.9	739.5	738.8	740.3
13°	741.0	736.6	732.2	732.2	733.7
14°	734.4	729.3	724.9	724.9	727.1
15°	727.1	722.0	716.9	716.9	718.3
17.5°	705.2	700.8	695.7	695.7	696.4
20°	677.4	675.2	670.8	668.6	669.3
22.5°	642.3	642.3	640.1	636.4	634.9
25°	606.4	609.3	607.9	602.0	598.4
27.5°	569.1	574.2	575.0	566.2	559.6
30°	530.3	534.7	537.6	527.4	517.2
32.5°	473.3	486.4	493.8	479.9	458.6
35°	410.4	416.2	430.1	411.8	394.3
37.5°	333.6	340.9	352.6	338.0	327.7
40°	220.9	250.2	257.5	250.2	226.8
42.5°	79.7	140.4	169.0	143.4	93.6
45°	2.9	32.9	98.8	42.4	10.2
47.5°	0.0	0.7	44.6	1.5	0.0
50°	0.0	0.0	9.5	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)