Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1306992

Luminaire Tested: LDSQA3D09R309024DE010 3LSQPHRL1MB

Issue Date: 1/29/2026

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1306992
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-9)
Test Lab:	INNOVATION CENTER
Issue Date:	1/29/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	PORTFOLIO
Catalog Number:	LDSQA3D09R309024DE010 3LSQPHRL1MB
Description:	3in Adjustable LED luminaire with, R30 optic, 2400K CCT AND, 90CRI , 3LSQPHRL1MB TRIM
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	583.0 lumens
Efficiency:	N/A
Efficacy:	52.5 lumens/watt
Spacing Criteria (0/90/45):	0.55 / 0.55 / 0.57
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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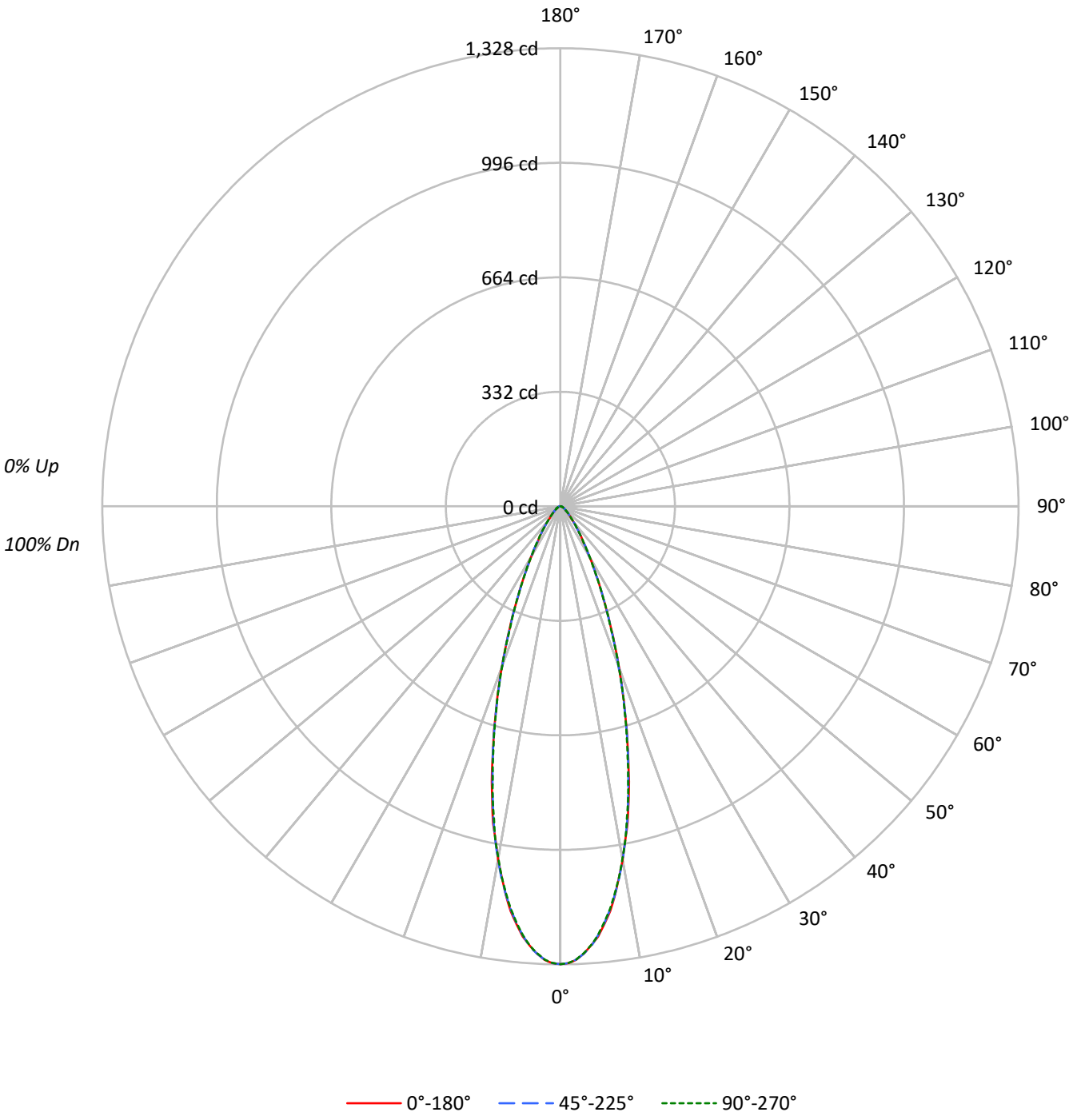
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	114	111	109	106	111	109	107	105	105	103	101	101	100	98	98	97	96	94
2	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	88
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78
5	95	87	81	77	93	86	81	77	84	80	76	82	79	76	81	78	75	74
6	90	82	77	73	89	82	76	73	80	76	72	79	75	72	77	74	71	70
7	87	78	73	69	86	78	72	69	76	72	68	75	71	68	74	71	68	66
8	83	75	69	66	82	74	69	65	73	68	65	72	68	65	71	67	65	63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	65	62	61
10	77	68	63	60	76	68	63	60	67	63	59	66	62	59	66	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	228626	228626	228626
5°	216446	215893	215789
10°	181840	181840	181158
15°	135489	135132	134330
20°	90666	90208	90318
25°	55887	55773	56020
30°	33608	33608	33728
35°	20604	20604	20751
40°	13062	13062	13332
45°	8963	9109	9109
50°	6564	6564	6564
55°	5044	5225	5225
60°	4237	4237	4443
65°	3668	3668	3668
70°	3273	3575	3575
75°	2994	2994	2994
80°	2579	2579	2579
85°	1186	1186	1186

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 45°
Vertical Angle: 45°
Luminance: 9109 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.5	19.3
10°-20°	207.8	35.6
20°-30°	138.1	23.7
30°-40°	63.9	11.0
40°-50°	29.6	5.1
50°-60°	15.8	2.7
60°-70°	9.2	1.6
70°-80°	4.9	0.8
80°-90°	1.0	0.2
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°	458.5	78.6
0°-40°	522.3	89.6
0°-60°	567.8	97.4
0°-90°	583.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	583.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1328	1328	1328	1328	1328	
5°	1252	1249	1249	1252	1248	113
15°	760	762	758	758	753	208
25°	294	294	294	294	295	138
35°	98	97	98	99	99	64
45°	37	37	37	37	37	29
55°	17	17	17	17	17	16
65°	9	9	9	9	9	9
75°	4	4	4	4	4	5
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	*1327.5*	*1327.5*	*1327.5*	*1327.5*	*1327.5*
1°	*1324.9*	1323.6	1324.9	1326.8	1324.3
2°	*1315.9*	1314.6	1314.6	1317.2	1314.6
3°	*1298.5*	1299.8	1299.1	1301.7	1297.2
4°	*1276.5*	1275.9	1278.5	1279.8	1275.9
5°	*1252.0*	1249.4	1248.8	1252.0	1248.2
6°	*1218.5*	1216.5	1215.3	1219.1	1214.0
7°	*1182.4*	1181.1	1179.1	1180.4	1176.6
8°	*1137.9*	1137.2	1135.9	1137.2	1132.7
9°	*1088.2*	1088.2	1090.8	1090.1	1087.5
10°	*1039.8*	1041.1	1039.8	1041.1	1035.9
11°	*985.6*	985.6	986.9	986.3	986.9
12°	*938.5*	933.4	932.1	930.8	926.9
13°	*877.9*	874.0	872.7	874.0	872.1
14°	*822.4*	819.8	813.4	814.7	812.1
15°	*759.9*	762.4	757.9	757.9	753.4
17.5°	*621.2*	618.6	619.9	620.5	618.6
20°	*494.7*	493.5	492.2	490.9	492.8
22.5°	*384.4*	385.1	383.8	382.5	381.2
25°	*294.1*	293.5	293.5	293.5	294.8
27.5°	*223.2*	223.2	223.2	223.8	223.8
30°	*169.0*	167.7	169.0	169.6	169.6
32.5°	*126.4*	127.7	128.4	128.4	128.4
35°	*98.0*	97.4	98.0	98.7	98.7
37.5°	*74.8*	74.8	75.5	75.5	76.1
40°	*58.1*	58.1	58.1	58.7	59.3
42.5°	*45.8*	45.8	46.4	46.4	47.1
45°	*36.8*	36.8	37.4	37.4	37.4
47.5°	*29.7*	29.7	30.3	30.3	30.3
50°	*24.5*	24.5	24.5	24.5	24.5
52.5°	*20.6*	20.0	20.6	20.6	20.6
55°	*16.8*	17.4	17.4	17.4	17.4
57.5°	*14.2*	14.8	14.8	14.8	14.8
60°	*12.3*	12.3	12.3	12.9	12.9
62.5°	*10.3*	11.0	11.0	11.0	11.0
65°	*9.0*	9.0	9.0	9.0	9.0
67.5°	*7.7*	7.7	7.7	7.7	8.4
70°	*6.5*	6.5	7.1	7.1	7.1
72.5°	*5.8*	5.8	5.8	5.8	5.8
75°	*4.5*	4.5	4.5	4.5	4.5
77.5°	*3.2*	3.2	3.9	3.9	3.2
80°	*2.6*	2.6	2.6	2.6	2.6
82.5°	*1.9*	1.9	1.9	1.9	1.9
85°	*0.6*	0.6	0.6	0.6	0.6
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)