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

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Scaled data based on original data using

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: STREETWORKS

Report Number: P945179

Luminaire Tested: **GLAN-SB1A-950-U-T2R-HSS**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P945179
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SB1A-950-U-T2R-HSS
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(1) 90 CRI, 5000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE II ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2643 lumens
Efficiency:	N/A
Efficacy:	85.5 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B0 - U0 - G1

Input Watts (W):	30.9
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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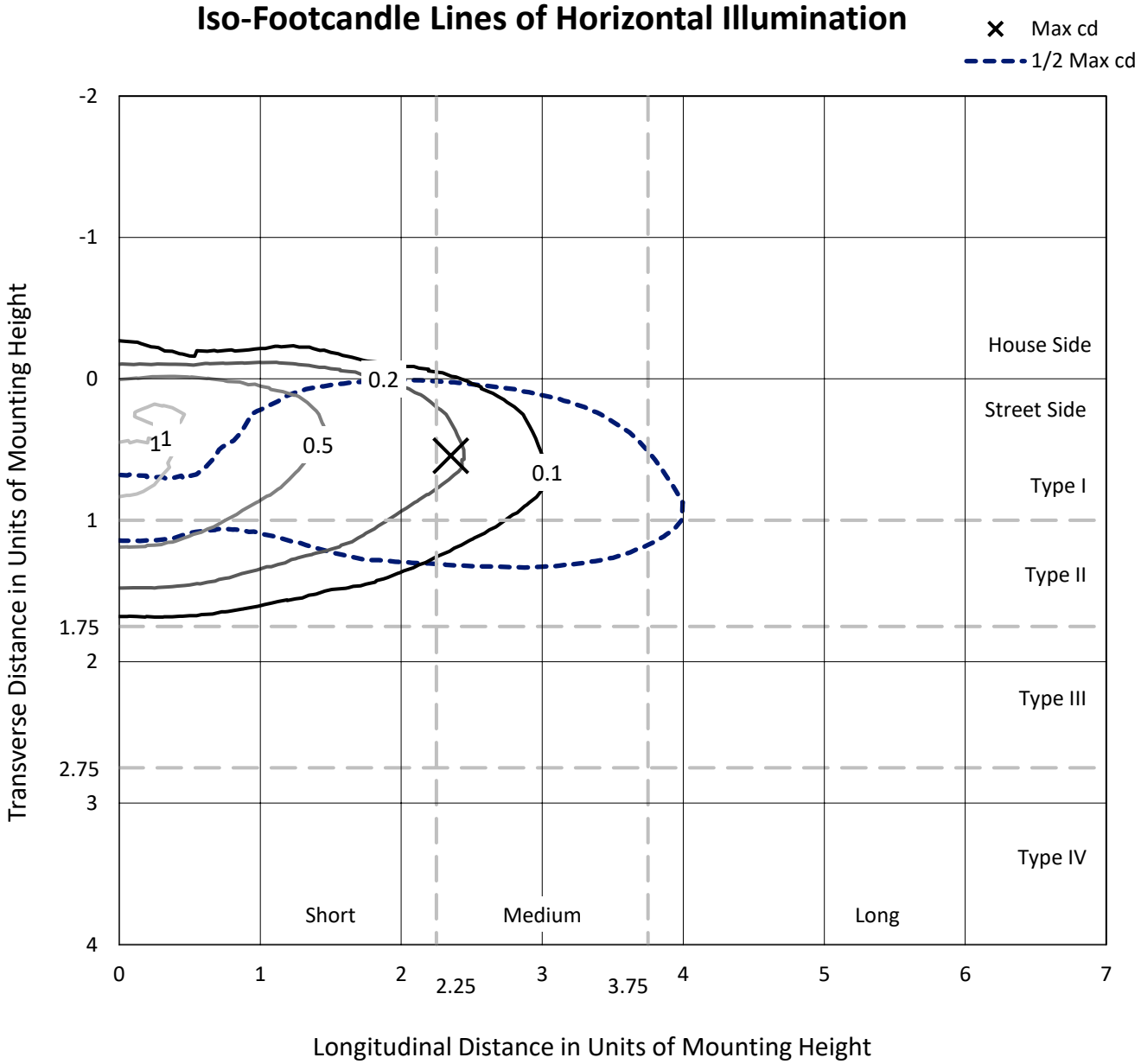
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
Type II - Medium - N/A

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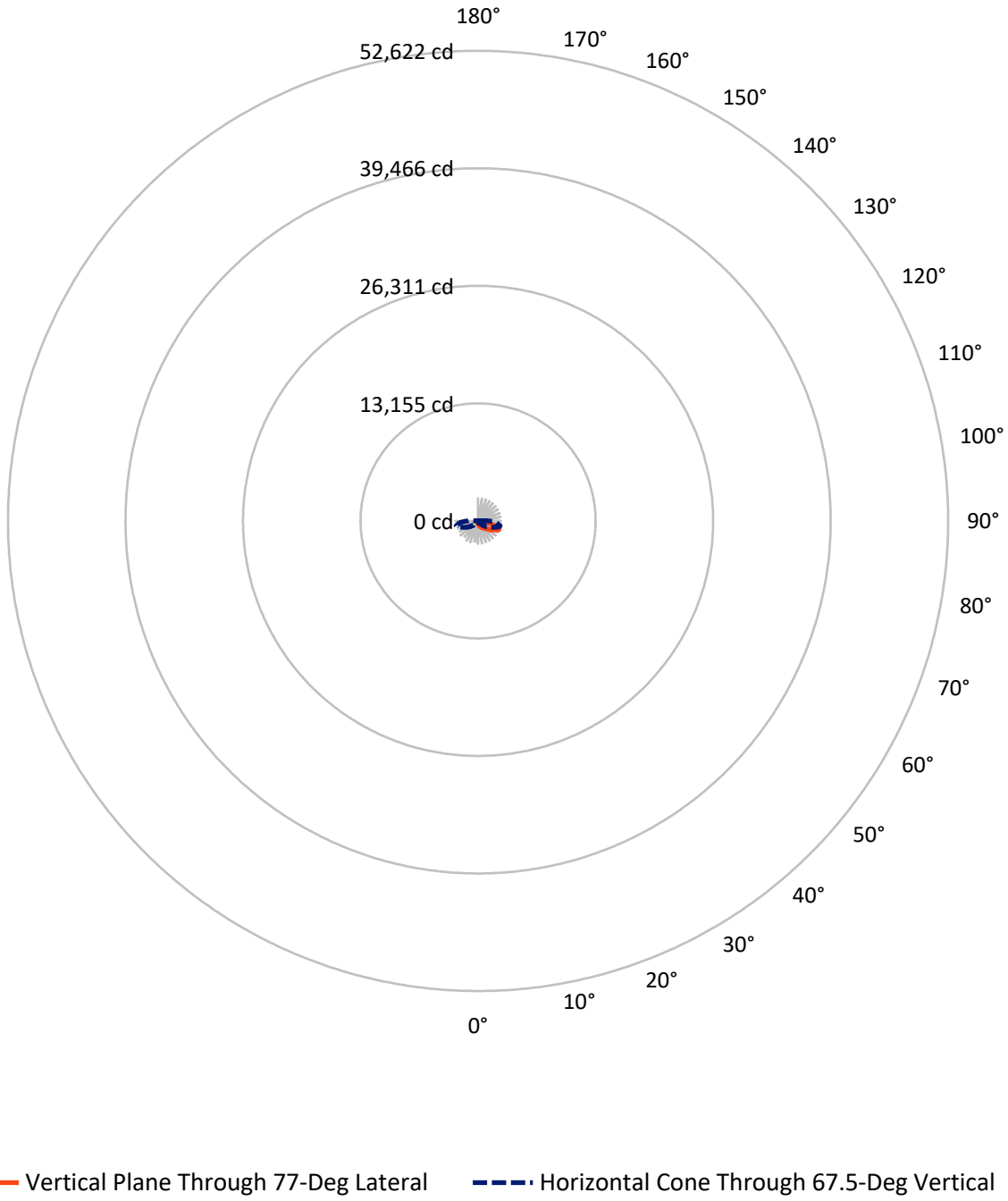
Luminous Intensity Polar Plot



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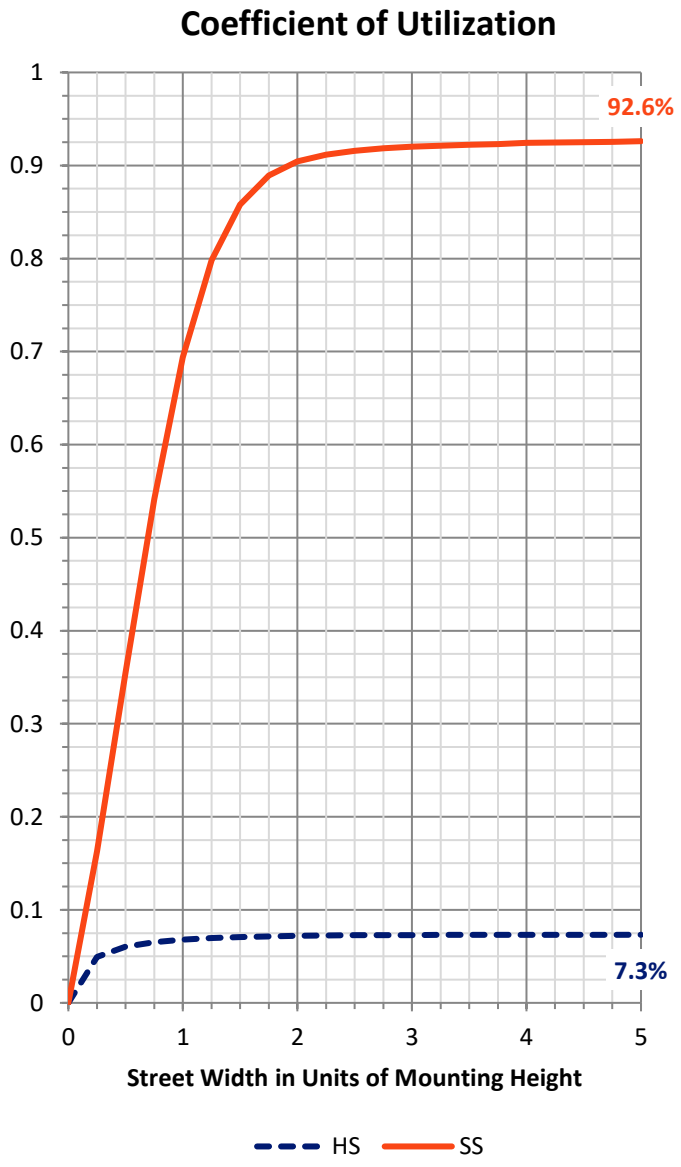
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	194.4	0.0	194.4
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	2448.6	0.0	2448.6
	% Fixture	92.6	0.0	92.6
Total	Lumens	2643.0	0.0	2643.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.1	1.2
10°-20°	108.9	4.1
20°-30°	210.2	8.0
30°-40°	364.9	13.8
40°-50°	529.9	20.0
50°-60°	608.5	23.0
60°-70°	528.3	20.0
70°-80°	248.8	9.4
80°-90°	12.3	0.5
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°-90°	2643.0	100.0
0°-180°	2643.0	100.0



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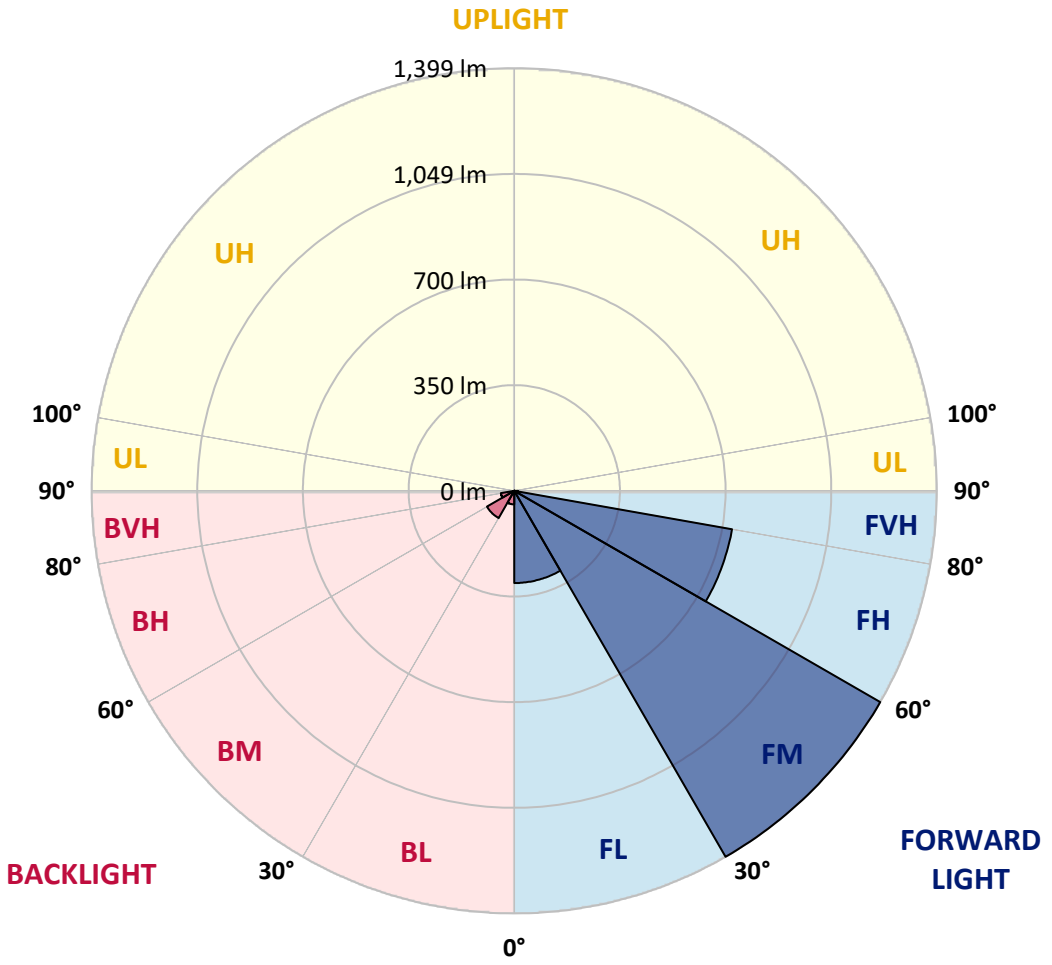
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	305.2	11.5			
FM	(30°-60°)	1399.1	52.9			
FH	(60°-80°)	732.1	27.7			G1/1800
FVH	(80°-90°)	12.1	0.5			G1/100
BL	(0°-30°)	45.0	1.7	B0/110		
BM	(30°-60°)	104.2	3.9	B0/220		
BH	(60°-80°)	45.0	1.7	B0/110		G0/110
BVH	(80°-90°)	0.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	304.8	304.8	304.8	304.8	304.8	304.8	304.8	304.8	304.8	*304.8*
2.5°	422.0	424.6	420.8	413.6	402.8	395.7	378.5	362.2	344.2	*338.4*
5°	514.4	516.7	512.4	504.5	490.1	476.3	453.6	419.7	384.4	*373.1*
7.5°	582.8	584.1	582.5	575.3	561.5	545.9	520.6	480.4	428.0	*415.6*
10°	632.0	636.3	635.8	633.0	623.8	611.2	584.3	538.5	476.9	*460.9*
12.5°	664.7	669.5	672.2	678.5	678.0	670.0	646.3	597.9	525.7	*506.8*
15°	674.2	679.3	690.0	704.4	717.2	721.3	704.7	656.2	579.4	*555.2*
17.5°	668.8	676.7	689.5	712.3	740.4	758.9	757.1	712.5	628.1	*600.5*
20°	680.8	688.3	698.3	717.5	750.2	783.9	797.3	766.3	676.5	*647.6*
22.5°	747.1	745.8	746.8	749.9	769.4	802.7	830.5	815.2	724.4	*694.9*
25°	852.1	846.2	836.2	819.3	814.4	830.5	859.3	858.5	775.0	*743.3*
27.5°	972.6	971.6	948.1	907.4	884.5	878.2	892.0	900.7	825.0	*791.2*
30°	1088.0	1090.6	1058.9	1013.6	971.4	947.0	934.5	940.8	875.9	*842.9*
32.5°	1188.4	1191.2	1156.7	1103.7	1051.5	1022.0	995.7	980.3	931.4	*895.5*
35°	1273.3	1276.1	1236.5	1177.9	1122.3	1095.5	1065.8	1023.6	987.2	*953.7*
37.5°	1349.1	1348.3	1295.3	1236.2	1181.5	1160.4	1144.8	1077.0	1044.6	*1012.3*
40°	1393.9	1397.3	1352.0	1286.9	1233.9	1218.5	1217.5	1143.1	1110.9	*1079.6*
42.5°	1407.0	1413.1	1380.3	1326.8	1278.7	1261.9	1287.7	1214.7	1188.1	*1157.6*
45°	1383.4	1389.3	1374.4	1337.3	1309.2	1298.4	1348.1	1288.9	1270.5	*1240.3*
47.5°	1314.5	1321.8	1325.5	1317.6	1317.3	1328.2	1402.3	1367.0	1368.3	*1337.4*
50°	1181.0	1193.5	1226.7	1254.6	1297.7	1351.9	1455.0	1451.7	1478.6	*1452.0*
52.5°	938.5	956.2	1070.4	1146.7	1243.7	1347.5	1512.9	1587.6	1672.1	*1633.2*
55°	754.1	754.1	847.0	989.8	1138.4	1318.2	1538.2	1675.9	1803.9	*1794.7*
57.5°	614.8	622.2	681.4	807.7	985.9	1248.6	1553.8	1731.3	1910.1	*1903.3*
60°	379.5	395.4	507.3	631.9	812.4	1124.7	1543.9	1787.5	2038.9	*2044.3*
62.5°	213.7	219.6	269.5	454.6	631.7	958.2	1468.6	1818.8	2203.7	*2226.7*
65°	147.5	150.5	169.7	282.9	437.9	762.8	1321.4	1799.3	2368.8	*2415.2*
67.5°	*107.2*	*108.6*	*120.6*	*172.8*	*259.8*	*553.1*	*1090.6*	*1700.8*	*2456.3*	*2533.9*
70°	82.4	83.4	92.1	113.6	153.5	341.4	792.1	1505.0	2392.9	*2485.6*
72.5°	67.0	67.9	74.7	84.0	101.8	201.9	480.1	1222.2	2113.3	*2213.4*
75°	56.5	57.8	63.8	69.9	79.8	129.7	225.2	851.1	1589.2	*1654.9*
77.5°	31.3	28.9	51.9	57.9	67.3	82.1	105.4	500.9	890.0	*908.3*
80°	19.5	20.2	41.2	46.6	51.7	41.4	48.3	192.8	308.6	*293.1*
82.5°	1.1	2.6	31.7	33.6	35.5	17.7	18.2	65.5	74.3	*68.3*
85°	0.0	0.0	14.4	11.7	12.3	5.1	5.3	15.3	10.0	*10.8*
87.5°	0.0	0.0	0.0	0.3	0.0	0.5	1.0	1.3	0.5	*0.7*
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*

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CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
304.8	0°	304.8	304.8	304.8	304.8	304.8	304.8	304.8	304.8	304.8	304.8
320.4	2.5°	308.9	297.4	274.1	251.3	232.7	215.5	203.2	191.5	185.6	185.3
341.0	5°	318.2	294.1	247.5	206.3	173.1	146.6	129.3	117.0	110.8	108.6
366.5	7.5°	331.4	295.1	224.2	166.9	127.9	105.0	95.2	91.3	89.9	88.5
395.2	10°	347.9	297.4	203.3	134.4	100.8	89.3	85.3	83.7	82.7	81.7
427.5	12.5°	366.5	299.5	182.7	111.6	88.6	82.7	79.9	78.0	76.6	75.5
460.7	15°	384.5	300.8	161.2	95.7	82.4	77.6	74.7	72.5	70.7	69.4
493.2	17.5°	402.4	302.6	141.0	86.2	77.3	72.5	69.6	67.0	65.5	64.0
527.3	20°	422.3	302.3	121.9	79.4	72.2	67.5	64.3	61.9	60.4	58.8
563.4	22.5°	440.7	300.7	105.2	73.7	67.0	62.4	58.9	56.5	55.0	53.7
600.4	25°	461.8	299.4	91.3	68.4	62.0	57.4	53.7	51.4	49.7	48.6
637.5	27.5°	482.2	297.4	81.1	63.7	57.3	52.8	49.2	46.6	45.1	44.3
675.7	30°	502.2	296.9	77.3	59.1	53.0	48.6	45.0	42.5	41.4	41.0
717.7	32.5°	526.3	298.2	78.9	57.4	49.1	44.6	41.2	39.4	38.2	38.2
764.5	35°	552.1	297.9	81.4	58.9	46.4	40.7	38.1	36.9	35.8	35.8
816.3	37.5°	584.4	298.4	83.4	61.4	45.5	37.4	35.9	34.5	33.8	33.8
873.1	40°	632.7	314.6	82.4	63.5	45.1	35.1	32.2	31.7	31.2	31.2
937.3	42.5°	691.8	349.9	83.7	63.7	45.0	33.5	29.5	30.5	29.4	29.2
1009.7	45°	756.4	388.5	92.1	60.2	44.8	32.7	28.2	29.4	27.6	27.6
1093.6	47.5°	820.6	426.7	100.6	55.3	44.3	32.5	27.1	26.4	25.9	26.1
1202.9	50°	909.1	457.9	103.9	48.6	43.2	32.2	24.9	25.1	24.8	25.1
1357.0	52.5°	1005.4	464.5	100.0	41.0	39.9	31.2	23.5	24.1	24.0	24.3
1465.5	55°	1065.5	457.4	82.6	34.1	34.8	27.2	22.0	23.3	23.3	23.3
1571.5	57.5°	1127.5	427.4	58.6	27.7	28.9	22.3	20.7	22.5	22.3	22.2
1699.2	60°	1172.2	378.8	38.6	22.8	23.0	18.4	19.2	21.2	21.0	20.2
1830.8	62.5°	1205.5	325.1	24.8	19.4	17.6	16.6	17.6	19.2	18.5	16.7
1942.4	65°	1201.7	250.8	19.0	16.6	14.4	14.4	15.3	16.7	14.8	11.8
1963.7	67.5°	*1131.6*	*169.7*	*15.8*	*14.0*	*12.1*	*12.0*	*12.6*	*14.0*	*12.6*	*10.0*
1854.4	70°	1006.4	110.9	12.6	10.8	9.7	8.9	10.2	12.0	10.7	8.0
1578.7	72.5°	816.8	67.6	9.5	7.9	7.1	5.7	8.0	9.8	8.5	5.9
1097.8	75°	528.5	34.5	6.6	5.1	3.8	3.4	5.9	7.4	5.9	3.6
487.1	77.5°	202.2	14.4	3.6	2.3	2.0	1.6	3.3	4.4	2.5	0.8
94.4	80°	38.9	6.1	1.8	1.1	1.0	0.7	0.5	0.3	0.0	0.0
16.7	82.5°	6.7	2.0	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0
3.3	85°	2.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1.1	87.5°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

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180°
304.8
185.0
108.3
88.1
81.4
75.2
69.3
63.8
58.6
53.5
48.4
44.3
40.9
38.2
35.8
33.8
31.2
29.0
27.6
26.1
25.1
24.3
23.3
22.2
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16.4
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