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

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: P939271

Luminaire Tested: **GLAN-SB1D-750-U-SL4-HSS**

Issue Date: 1/21/2025

Report Generated By 670246001

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1121 Highway 74 South
Peachtree City, GA 30269

Test Information

Test Method:	LM-79-08
Report Number:	P939271
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-10)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SB1D-750-U-SL4-HSS
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE (1) 70 CRI, 5000K, 900mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7518 lumens
Efficiency:	N/A
Efficacy:	94.4 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2
Input Watts (W):	79.6
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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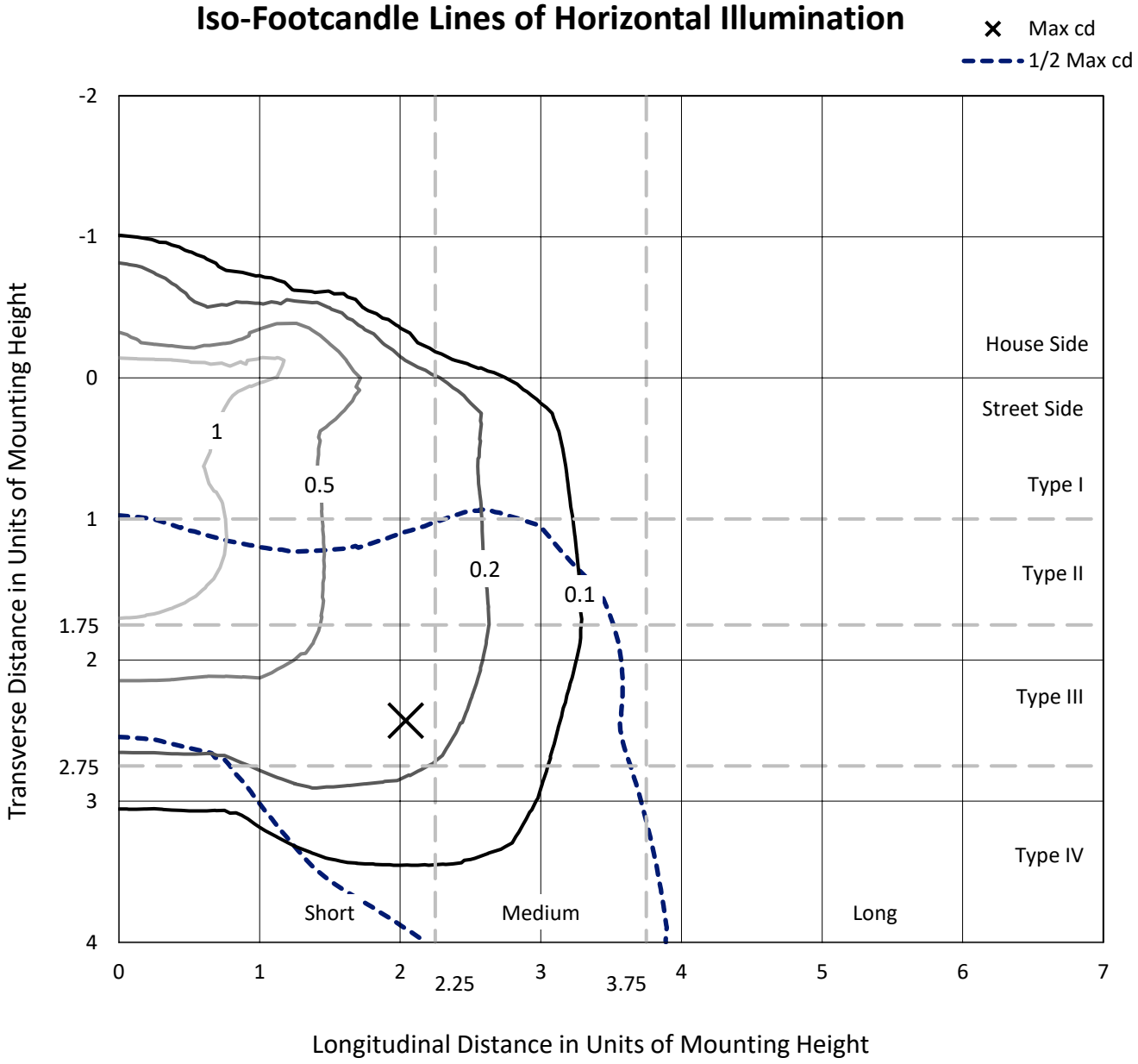
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
Type IV - Short - N/A

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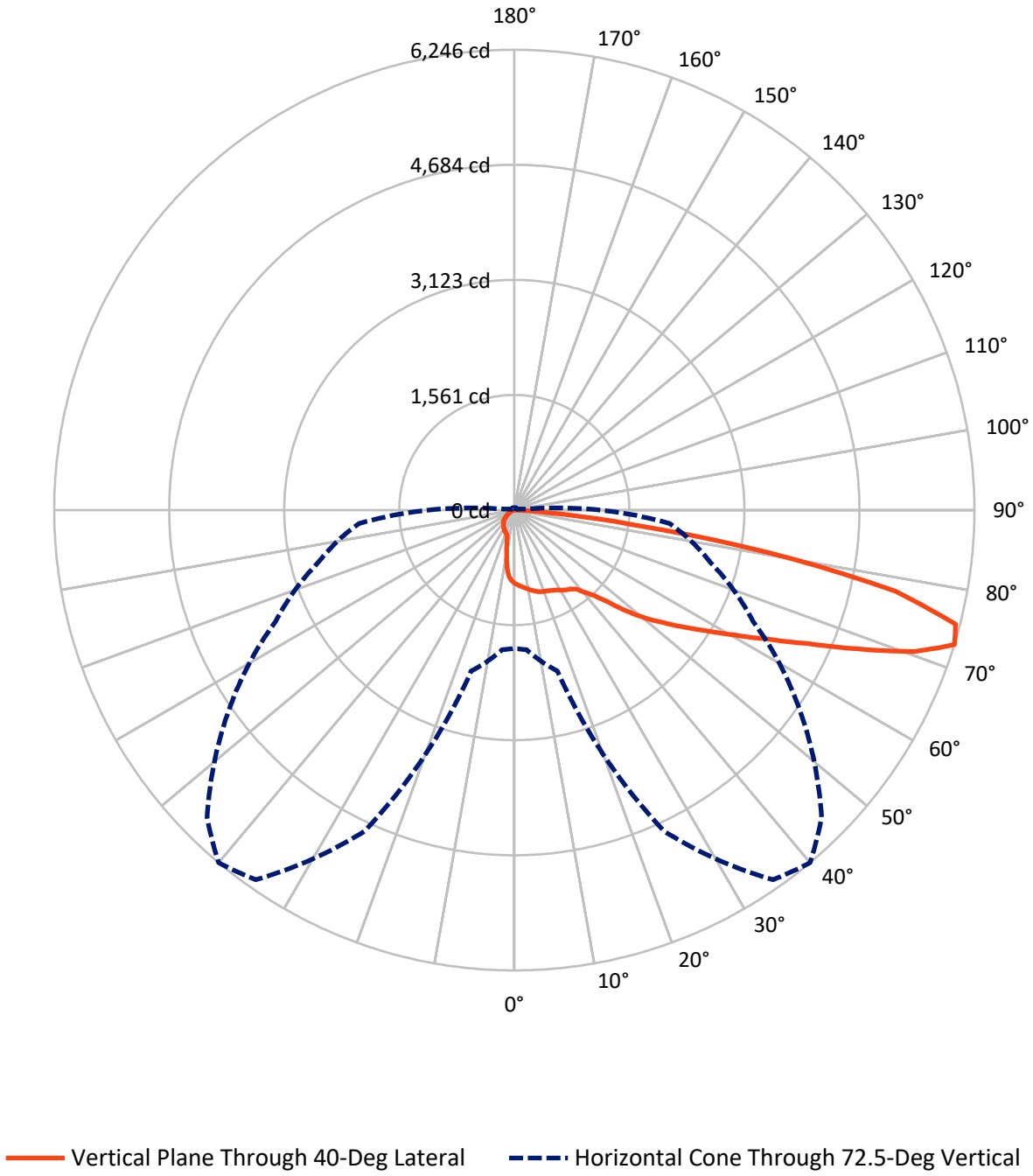
Luminous Intensity Polar Plot



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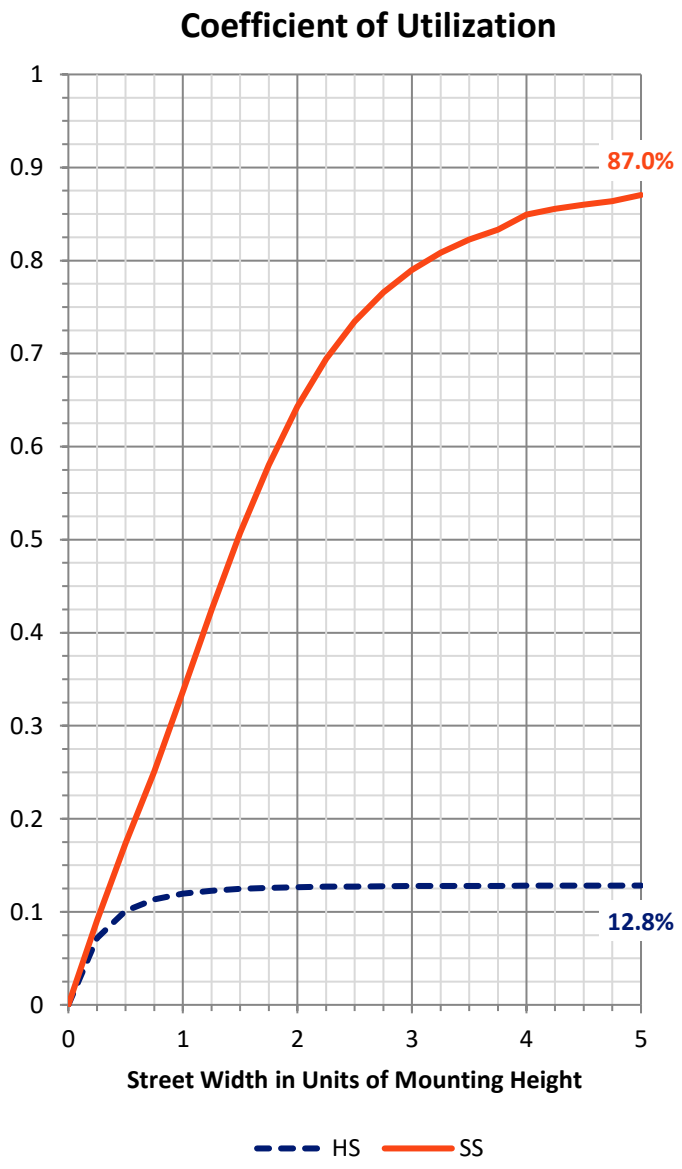
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	970.9	0.0	970.9
	% Fixture	12.9	0.0	12.9
Street Side	Lumens	6547.1	0.0	6547.1
	% Fixture	87.1	0.0	87.1
Total	Lumens	7518.0	0.0	7518.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.9	1.2
10°-20°	246.9	3.3
20°-30°	399.5	5.3
30°-40°	589.8	7.8
40°-50°	992.6	13.2
50°-60°	1541.2	20.5
60°-70°	1928.5	25.7
70°-80°	1578.9	21.0
80°-90°	149.7	2.0
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°-90°	7518.0	100.0
0°-180°	7518.0	100.0



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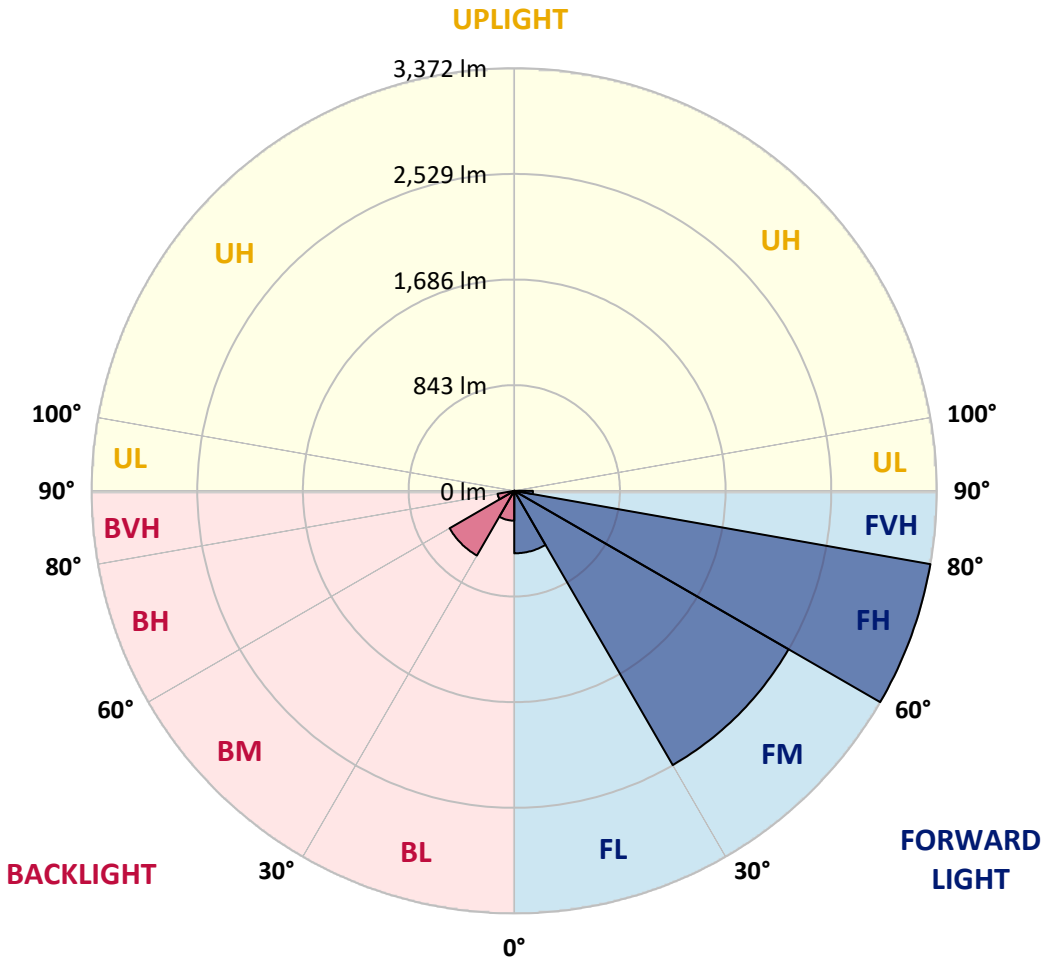
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	499.0	6.6			
FM	(30°-60°)	2527.4	33.6			
FH	(60°-80°)	3372.2	44.9			G2/5000
FVH	(80°-90°)	148.6	2.0			G2/225
BL	(0°-30°)	238.3	3.2	B1/500		
BM	(30°-60°)	596.2	7.9	B1/1000		
BH	(60°-80°)	135.2	1.8	B1/500		G1/500
BVH	(80°-90°)	1.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	995.4	995.4	995.4	995.4	995.4	*995.4*	995.4	995.4	995.4	995.4
2.5°	1025.5	1029.4	1027.2	1022.6	1021.5	*1019.2*	1016.4	1015.3	1011.3	1007.9
5°	1054.3	1058.3	1055.5	1049.2	1046.4	*1043.6*	1039.6	1036.2	1028.3	1020.9
7.5°	1086.0	1089.4	1086.0	1077.0	1072.5	*1069.1*	1063.4	1058.3	1049.2	1038.5
10°	1121.1	1124.0	1118.9	1107.0	1099.6	*1094.5*	1089.4	1083.8	1075.3	1063.4
12.5°	1154.0	1157.4	1149.5	1135.3	1126.8	*1121.7*	1116.1	1111.5	1103.0	1091.7
15°	1184.0	1189.1	1175.5	1160.2	1150.6	*1146.6*	1141.0	1138.1	1132.5	1124.5
17.5°	1206.7	1210.0	1195.9	1177.8	1167.0	*1164.2*	1160.2	1161.9	1160.8	1156.8
20°	1225.9	1228.2	1209.5	1187.4	1175.5	*1176.1*	1174.9	1180.6	1182.9	1182.9
22.5°	1249.7	1250.3	1226.5	1198.7	1184.6	*1188.5*	1190.2	1196.5	1201.0	1205.5
25°	1280.8	1279.7	1251.4	1213.4	1201.0	*1206.7*	1210.6	1212.9	1218.0	1225.3
27.5°	1327.3	1323.9	1287.6	1237.2	1222.5	*1227.6*	1235.0	1233.8	1231.6	1237.2
30°	1386.1	1381.6	1333.5	1270.6	1257.0	*1261.6*	1263.8	1253.6	1237.2	1242.3
32.5°	1479.6	1471.6	1404.8	1308.0	1287.1	*1292.2*	1289.3	1268.4	1244.0	1249.1
35°	1642.1	1622.8	1528.3	1386.1	1321.0	*1315.4*	1308.6	1288.2	1258.2	1253.1
37.5°	1987.5	1953.5	1792.1	1538.5	1398.0	*1361.2*	1340.3	1319.9	1273.5	1253.1
40°	2377.1	2342.5	2156.2	1793.3	1526.0	*1463.7*	1413.9	1357.3	1289.3	1260.4
42.5°	2783.6	2745.7	2554.3	2109.2	1708.9	*1580.9*	1488.1	1387.3	1315.4	1283.1
45°	3237.7	3190.2	2939.9	2438.8	1974.5	*1775.7*	1607.5	1449.0	1360.7	1323.3
47.5°	3716.8	3655.1	3324.4	2758.7	2260.4	*2045.2*	1826.1	1559.4	1427.5	1383.3
50°	4141.5	4080.3	3721.3	3093.4	2527.7	*2301.8*	2075.3	1712.3	1527.7	1468.3
52.5°	4446.7	4400.2	4082.6	3438.8	2805.7	*2542.4*	2301.2	1890.1	1654.5	1577.0
55°	4651.1	4608.6	4338.5	3766.0	3129.0	*2807.4*	2523.7	2083.2	1807.4	1707.2
57.5°	4775.1	4750.7	4523.7	4058.2	3449.5	*3097.3*	2778.5	2295.5	1987.5	1860.7
60°	4819.2	4799.4	4638.6	4336.8	3836.8	*3445.6*	3078.1	2535.0	2206.1	2035.1
62.5°	4701.5	4705.4	4721.3	4666.9	4245.1	*3853.2*	3437.1	2822.7	2448.4	2232.7
65°	4147.1	4180.0	4481.2	5032.7	4785.8	*4364.0*	3894.0	3173.8	2725.9	2457.5
67.5°	3433.7	3481.2	3856.1	5246.7	5362.3	*5027.0*	4530.5	3621.1	3056.5	2686.2
70°	2628.5	2679.4	3133.6	5202.0	5901.9	*5751.8*	5317.5	4190.2	3399.1	2844.8
72.5°	*1875.9*	*1902.0*	*2259.9*	*4804.0*	*6123.3*	*6245.6*	*5897.4*	*4729.2*	*3574.1*	*2757.0*
75°	1318.2	1313.7	1550.9	3868.5	5778.4	*6185.6*	5694.1	4437.6	3234.3	2190.2
77.5°	574.2	575.3	774.6	2349.3	4612.0	*5283.0*	4733.2	2779.7	2254.8	1160.8
80°	148.9	153.5	284.3	935.4	2776.8	*3486.9*	2886.7	1221.9	1041.9	283.1
82.5°	52.7	56.1	130.8	293.9	1024.3	*1599.1*	1285.4	390.7	271.8	81.0
85°	15.3	18.1	70.2	90.0	211.8	*451.9*	312.0	75.9	66.8	41.9
87.5°	0.0	2.3	14.2	12.5	12.5	*8.5*	15.9	8.5	10.8	5.1
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°
995.4	0°	995.4	995.4	995.4	995.4	995.4	995.4	995.4	995.4	995.4	995.4
1003.9	2.5°	1000.5	996.6	988.1	979.0	970.5	962.6	960.3	951.8	947.9	948.4
1011.9	5°	1005.6	998.3	981.9	962.0	941.7	918.4	899.2	872.0	848.8	846.0
1027.2	7.5°	1019.2	1007.3	980.7	942.2	891.3	827.3	767.8	708.9	675.5	657.4
1049.8	10°	1040.2	1024.3	983.6	909.9	801.8	687.4	597.4	523.2	485.3	467.7
1077.5	12.5°	1065.1	1047.5	988.1	855.0	686.3	536.2	438.8	393.5	385.6	384.5
1111.5	15°	1100.2	1080.9	993.2	780.8	561.1	408.3	363.5	364.1	370.3	373.7
1148.3	17.5°	1139.3	1120.0	985.8	690.2	437.7	348.8	347.7	352.8	361.8	365.2
1182.3	20°	1178.9	1160.8	959.8	583.8	353.9	332.4	336.9	342.6	351.6	356.2
1215.7	22.5°	1219.7	1203.8	918.4	470.5	319.4	320.5	326.2	331.8	342.0	347.1
1248.6	25°	1263.3	1249.7	863.5	377.1	304.6	308.0	315.4	322.2	332.9	339.2
1276.3	27.5°	1307.4	1297.2	801.2	314.8	291.0	295.0	303.5	312.6	323.3	330.7
1300.6	30°	1355.6	1349.9	751.4	291.6	278.0	281.4	291.0	301.2	313.1	322.2
1325.0	32.5°	1404.8	1403.7	727.0	308.6	266.1	268.4	276.9	287.1	301.8	313.1
1345.4	35°	1453.5	1455.8	712.9	356.7	262.2	255.9	261.6	270.7	288.2	302.4
1368.6	37.5°	1515.8	1521.5	712.3	408.8	271.8	243.5	247.4	253.7	269.0	285.4
1404.8	40°	1608.7	1638.7	748.6	453.6	288.8	232.2	233.3	234.4	242.3	255.9
1453.0	42.5°	1732.1	1819.9	879.4	484.1	295.6	222.0	218.0	211.8	210.6	218.0
1518.6	45°	1885.6	2039.0	1109.3	501.1	288.8	210.6	199.9	183.5	177.2	182.3
1607.5	47.5°	2066.2	2279.1	1381.6	505.1	277.5	196.5	177.2	155.7	150.6	152.3
1727.0	50°	2242.3	2459.2	1621.1	472.2	258.8	178.4	152.3	134.2	130.8	131.4
1868.0	52.5°	2398.0	2520.9	1689.1	394.7	233.9	156.3	130.8	118.3	116.1	116.1
2023.7	55°	2501.1	2454.1	1506.2	301.8	202.7	133.6	112.1	105.9	104.8	104.2
2197.6	57.5°	2522.6	2236.6	1137.6	218.0	158.5	112.7	99.7	96.3	94.0	91.7
2375.9	60°	2445.6	1874.2	724.2	152.3	118.9	96.3	88.3	86.1	81.5	77.0
2543.5	62.5°	2279.1	1415.6	400.9	105.9	95.7	82.1	78.1	75.3	66.8	59.5
2676.6	65°	2055.4	941.1	177.2	82.7	78.1	69.1	66.8	62.9	52.7	44.2
2727.0	67.5°	1830.6	541.9	79.8	66.2	62.9	56.6	54.9	52.1	44.7	36.8
2598.5	70°	1574.1	274.6	54.9	52.7	48.7	43.0	44.7	44.2	36.8	30.0
2119.4	72.5°	*1172.1*	*136.5*	*41.3*	*39.6*	*35.1*	*30.6*	*36.8*	*36.2*	*28.9*	*22.6*
1306.9	75°	663.6	67.4	30.0	27.7	21.0	22.6	29.4	27.7	19.8	14.7
551.5	77.5°	263.3	34.5	19.8	17.0	12.5	15.3	21.5	18.7	10.2	6.2
105.3	80°	60.6	17.0	10.2	7.4	5.7	9.1	11.3	6.8	2.8	0.6
28.3	82.5°	17.0	7.4	3.4	2.8	2.8	3.4	2.8	1.1	0.0	0.0
7.4	85°	5.7	3.4	1.1	0.6	0.6	0.6	0.6	0.0	0.0	0.0
2.3	87.5°	2.3	1.1	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

180°
995.4
947.9
844.3
656.3
464.3
383.9
373.2
364.7
356.2
347.1
339.2
331.2
323.3
314.3
304.6
288.2
260.5
222.0
182.3
151.8
131.4
115.5
103.1
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