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: P199948

Luminaire Tested: **GAP-AF-02-LED-U-SL2-7030-600-HSS**

Issue Date: 3/3/2020

Report Generated By E9812814

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P199948
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24287)
Test Lab:	INNOVATION CENTER P2
Issue Date:	3/3/2020
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GAP-AF-02-LED-U-SL2-7030-600-HSS
Description:	GALLEON PEDESTRIAN LUMINAIRE
	(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6556.7 lumens
Efficiency:	N/A
Efficacy:	99.3 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification:	Type II - Short - Semi-Cutoff
BUG Rating:	B1 - U0 - G2

Input Watts (W):	66
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:	28.75 FT

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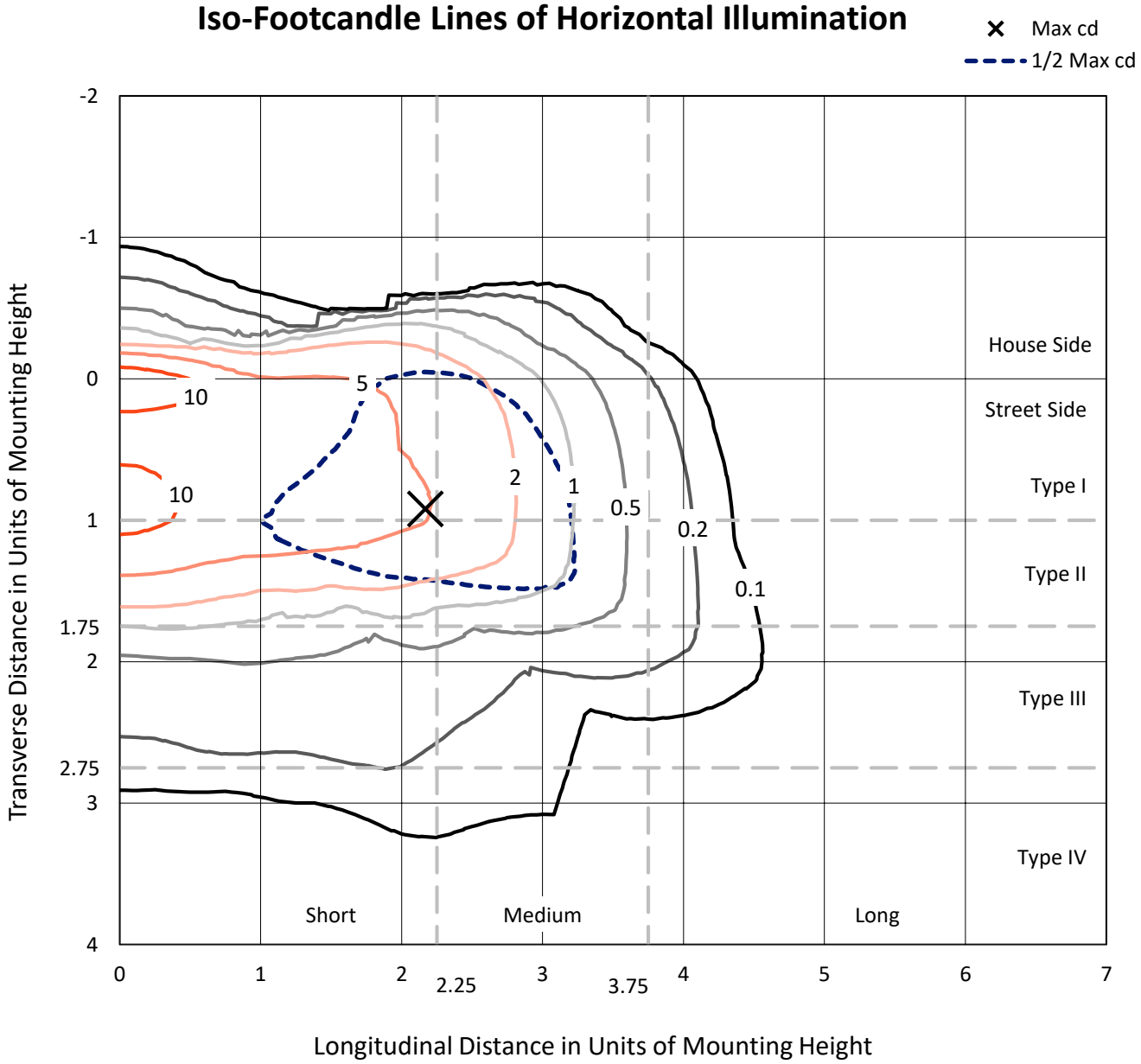
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 14.5 fc
Type II - Short - Semi-Cutoff

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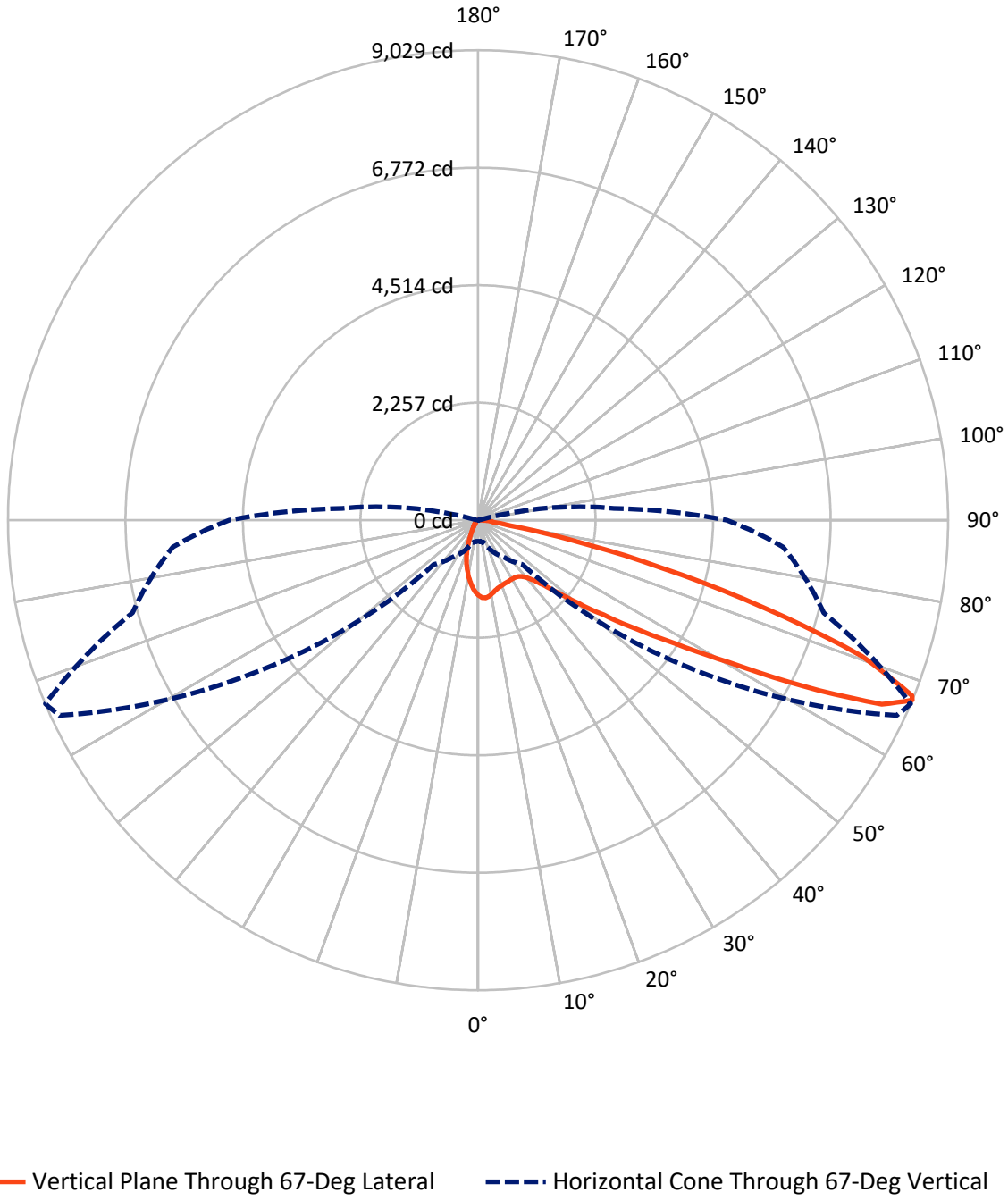
Luminous Intensity Polar Plot



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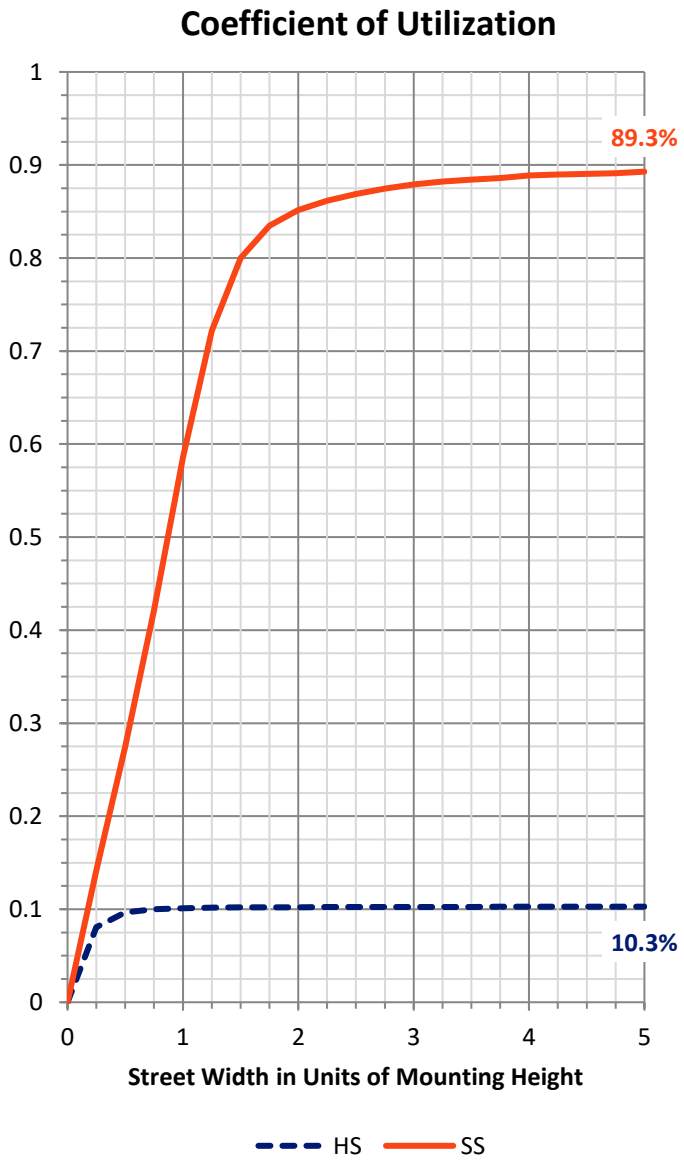
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	680.9	0.0	680.9
	% Fixture	10.4	0.0	10.4
Street Side	Lumens	5875.9	0.0	5875.9
	% Fixture	89.6	0.0	89.6
Total	Lumens	6556.7	0.0	6556.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.7	1.8
10°-20°	250.4	3.8
20°-30°	364.1	5.6
30°-40°	568.0	8.7
40°-50°	1006.2	15.3
50°-60°	1592.2	24.3
60°-70°	1823.6	27.8
70°-80°	756.4	11.5
80°-90°	78.2	1.2
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°-90°	6556.7	100.0
0°-180°	6556.7	100.0



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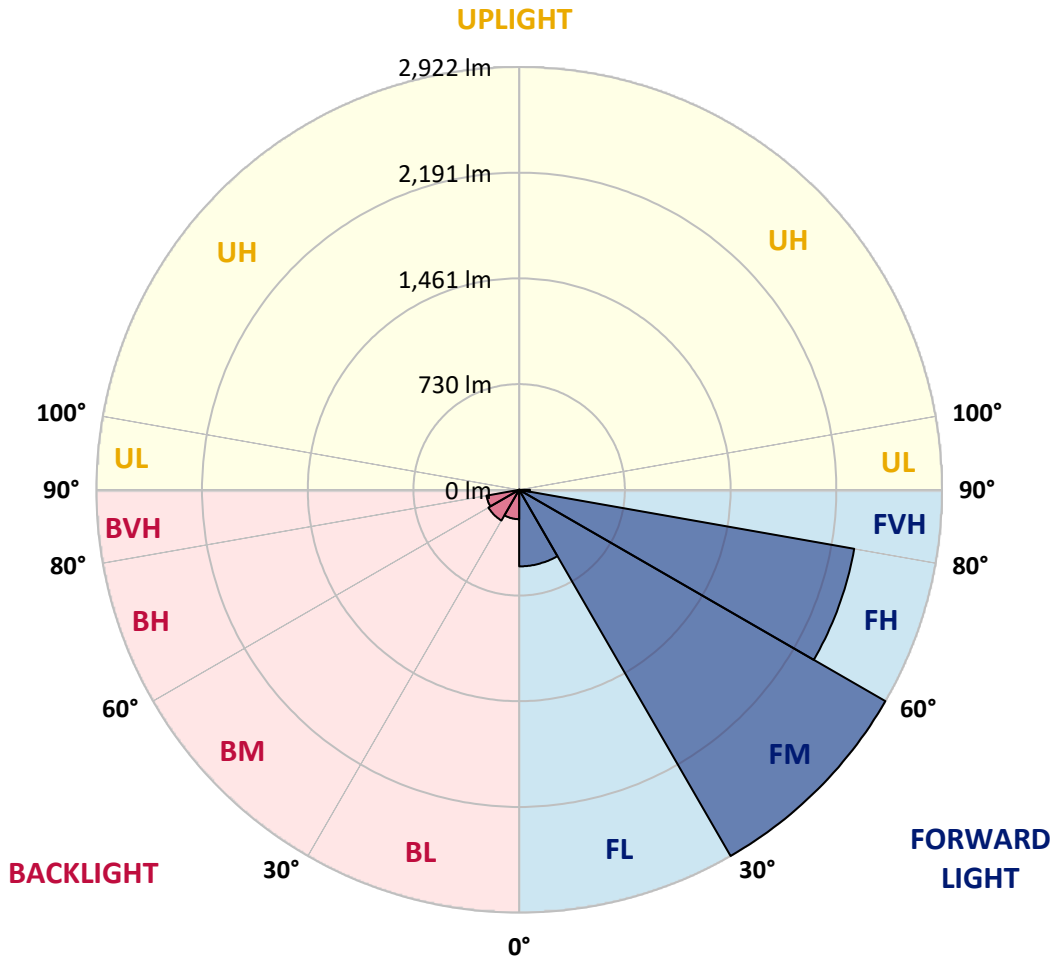
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	529.0	8.1			
FM	(30°-60°)	2921.7	44.6			
FH	(60°-80°)	2350.6	35.8			G2/5000
FVH	(80°-90°)	74.6	1.1			G1/100
BL	(0°-30°)	203.1	3.1	B1/500		
BM	(30°-60°)	244.7	3.7	B1/1000		
BH	(60°-80°)	229.5	3.5	B1/500		G1/500
BVH	(80°-90°)	3.5	0.1			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	1445.9	1445.9	1445.9	1445.9	1445.9	1445.9	1445.9	1445.9	*1445.9*	1445.9	1445.9
2.5°	1494.8	1498.0	1497.6	1499.9	1505.3	1505.6	1500.2	1490.0	*1487.7*	1474.2	1451.0
5°	1378.7	1387.5	1392.8	1414.6	1439.1	1468.6	1490.8	1498.7	*1497.6*	1488.0	1452.8
7.5°	1246.0	1254.8	1260.9	1286.5	1319.0	1369.4	1427.3	1474.7	*1478.9*	1489.2	1451.3
10°	1157.6	1159.1	1167.6	1192.0	1226.1	1277.7	1346.5	1429.5	*1442.1*	1480.0	1447.4
12.5°	1085.0	1086.1	1097.2	1123.6	1159.9	1211.9	1284.3	1380.2	*1399.7*	1468.6	1446.7
15°	1033.4	1037.5	1047.5	1075.0	1113.7	1165.2	1239.4	1343.9	*1367.2*	1464.3	1453.5
17.5°	1016.1	1020.7	1023.8	1043.7	1078.8	1129.3	1205.4	1320.2	*1346.5*	1466.6	1467.1
20°	1034.1	1037.5	1030.7	1035.7	1057.4	1102.5	1176.7	1299.8	*1331.3*	1469.3	1484.2
22.5°	1101.0	1102.5	1083.9	1062.0	1058.1	1083.1	1154.3	1283.8	*1317.4*	1476.5	1504.5
25°	1215.7	1213.1	1182.5	1135.4	1091.1	1079.6	1140.7	1273.9	*1310.6*	1484.2	1525.5
27.5°	1354.2	1358.0	1315.9	1247.5	1162.9	1102.5	1138.9	1269.7	*1307.5*	1489.5	1543.9
30°	1522.4	1527.8	1479.6	1393.6	1272.4	1159.1	1156.5	1268.9	*1305.6*	1486.2	1545.4
32.5°	1694.2	1700.7	1662.8	1574.1	1418.4	1254.0	1196.3	1277.4	*1309.5*	1474.2	1536.6
35°	1873.9	1883.1	1857.9	1781.8	1616.6	1390.9	1266.2	1302.9	*1327.4*	1473.2	1527.8
37.5°	2122.2	2130.5	2083.1	2002.4	1856.4	1574.5	1378.7	1351.1	*1369.9*	1491.5	1530.0
40°	2492.8	2491.5	2369.2	2245.6	2119.8	1807.8	1536.6	1438.3	*1447.9*	1546.9	1558.4
42.5°	2896.6	2894.6	2713.8	2526.0	2412.5	2094.9	1744.4	1589.0	*1582.5*	1649.0	1631.9
45°	3207.9	3207.6	3059.8	2848.4	2764.6	2424.7	2012.8	1798.6	*1788.7*	1815.1	1767.3
47.5°	3340.6	3342.9	3268.7	3119.9	3155.1	2870.6	2351.2	2102.2	*2087.3*	2076.6	2004.0
50°	3237.4	3241.9	3248.1	3219.0	3441.5	3469.8	2805.1	2530.2	*2522.9*	2475.2	2361.5
52.5°	2900.0	2923.3	2995.3	3087.3	3541.0	4045.0	3516.8	3061.8	*3022.7*	2971.9	2846.9
55°	2331.7	2357.4	2493.9	2717.6	3392.9	4422.9	4514.3	3747.0	*3682.0*	3530.2	3349.8
57.5°	1543.1	1582.9	1781.0	2065.5	2963.1	4483.7	5509.4	4698.1	*4471.8*	4056.1	3852.6
60°	850.1	888.4	1103.3	1361.1	2140.1	4183.1	6178.6	5936.5	*5536.5*	4643.8	4463.3
62.5°	523.6	544.2	702.9	942.7	1283.5	3301.6	6317.1	7492.7	*7029.5*	5400.6	5201.1
65°	416.9	425.7	503.2	770.6	920.2	1963.8	5870.0	8679.0	*8524.4*	6317.1	5861.5
67°	*404.6*	*408.1*	*444.8*	*661.6*	*867.4*	*1203.9*	*4917.8*	*8872.1*	*9028.8*	*6871.6*	*5882.2*
67.5°	407.3	411.2	445.9	631.4	865.9	1106.4	4589.6	8796.0	*8994.1*	6915.6	5790.8
70°	392.8	404.6	510.6	631.0	823.4	919.4	2748.5	7621.2	*7827.3*	6425.6	4913.5
72.5°	139.2	140.0	220.7	510.6	895.3	929.4	1380.2	5587.0	*5739.6*	4915.5	3542.5
75°	82.6	70.4	73.4	145.4	855.5	902.6	796.3	3570.0	*3627.0*	2816.6	1794.0
77.5°	57.1	49.7	51.3	64.3	325.8	889.9	632.5	1861.7	*1800.9*	987.8	382.1
80°	32.6	28.7	30.6	56.3	118.5	830.3	596.5	754.9	*643.6*	167.5	105.6
82.5°	17.3	14.5	17.6	46.3	82.6	517.5	597.7	364.8	*289.1*	56.6	71.9
85°	6.1	5.0	8.4	31.8	55.0	158.8	554.2	306.7	*240.9*	27.6	54.7
87.5°	1.2	1.2	3.5	13.0	22.2	48.6	327.8	182.0	*122.1*	16.5	37.4
90°	0.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1445.9	1445.9	1445.9	1445.9	1445.9	1445.9	1445.9	1445.9	1445.9	1445.9	1445.9
2.5°	1441.3	1425.0	1402.8	1375.6	1343.5	1315.2	1294.1	1272.4	1267.7	1260.1	1259.0
5°	1431.9	1403.6	1348.5	1285.3	1218.0	1157.3	1107.9	1063.9	1044.4	1027.6	1025.7
7.5°	1417.6	1375.2	1281.5	1179.8	1074.7	979.1	898.0	840.6	787.9	762.5	758.7
10°	1401.2	1340.4	1206.2	1065.1	919.8	784.7	664.3	563.3	502.1	465.8	461.2
12.5°	1386.0	1306.4	1129.3	946.1	753.1	572.5	417.6	321.2	257.0	231.0	228.0
15°	1378.7	1278.9	1057.4	824.6	578.6	364.5	228.4	176.7	155.7	149.5	149.1
17.5°	1377.9	1255.5	987.0	698.7	405.4	211.9	148.8	135.8	131.5	130.0	130.0
20°	1377.5	1233.3	916.6	568.2	257.5	141.2	123.9	120.8	117.8	116.0	116.0
22.5°	1381.7	1213.5	843.3	435.2	162.1	114.4	109.0	106.0	102.1	99.4	99.1
25°	1386.0	1198.1	768.3	309.8	117.5	99.4	94.1	89.9	84.5	81.1	80.8
27.5°	1386.7	1179.0	688.0	207.3	98.4	86.9	80.0	73.4	67.3	63.9	63.5
30°	1375.2	1146.9	598.8	140.0	86.9	75.4	66.2	59.3	53.5	51.0	51.0
32.5°	1352.6	1107.2	501.0	105.6	77.2	64.7	54.7	48.2	44.4	43.2	42.8
35°	1332.4	1064.3	400.4	89.5	69.3	54.7	44.8	40.5	38.2	37.9	37.4
37.5°	1320.5	1029.9	305.9	81.1	61.6	45.9	37.9	34.9	33.7	32.9	33.4
40°	1329.6	1001.3	226.0	74.2	54.0	38.2	32.1	30.6	29.5	29.1	29.1
42.5°	1369.9	996.2	167.9	68.1	46.7	31.8	28.0	26.8	26.0	25.6	26.0
45°	1475.4	1026.8	130.4	62.4	39.5	26.8	23.7	23.4	23.0	23.0	23.0
47.5°	1634.2	1090.0	108.6	55.8	32.9	23.0	20.6	20.3	19.8	20.3	20.3
50°	1903.0	1205.4	97.1	49.3	27.2	19.5	17.6	17.6	17.6	17.6	18.0
52.5°	2311.8	1432.6	89.5	42.8	22.2	16.5	15.0	15.0	15.3	15.3	15.8
55°	2767.3	1734.0	82.6	36.4	18.8	13.7	12.2	12.7	13.0	13.4	13.4
57.5°	3261.4	2067.8	76.9	29.8	16.1	11.2	10.4	10.7	11.2	11.9	11.9
60°	3857.6	2429.3	68.5	23.4	13.4	8.8	8.0	8.8	10.0	10.7	11.2
62.5°	4512.3	2778.8	57.8	18.3	11.2	6.9	6.5	8.0	9.7	10.4	10.7
65°	4959.9	2888.5	44.4	15.0	8.4	5.0	5.4	7.3	9.2	10.4	10.4
67°	*4778.6*	*2619.0*	*36.4*	*12.7*	*6.9*	*3.9*	*5.0*	*7.3*	*9.2*	*10.0*	*10.4*
67.5°	4652.7	2513.4	34.9	12.2	6.5	3.9	5.0	7.3	9.2	10.4	10.4
70°	3785.8	1888.1	29.1	9.2	5.4	3.5	4.3	6.9	8.8	10.0	10.0
72.5°	2630.4	1164.1	26.0	6.5	4.6	3.1	3.9	6.5	8.4	9.7	10.0
75°	1250.6	421.4	22.2	5.0	4.3	2.7	3.5	6.5	8.4	9.7	9.7
77.5°	255.1	97.9	18.0	4.3	3.5	2.7	3.1	6.1	8.0	9.2	9.2
80°	83.8	37.9	13.4	3.9	3.5	2.7	3.1	5.8	8.0	8.8	9.2
82.5°	60.4	19.1	8.8	3.9	3.5	2.7	2.7	5.8	7.6	8.8	8.8
85°	46.3	13.4	5.8	3.9	3.5	2.7	2.7	5.4	7.3	8.4	8.4
87.5°	30.6	5.4	4.6	3.9	3.5	2.7	2.7	5.4	6.9	8.0	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)