

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: P323585

Luminaire Tested: **GAN-SA1A-760-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1A-760-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4168 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

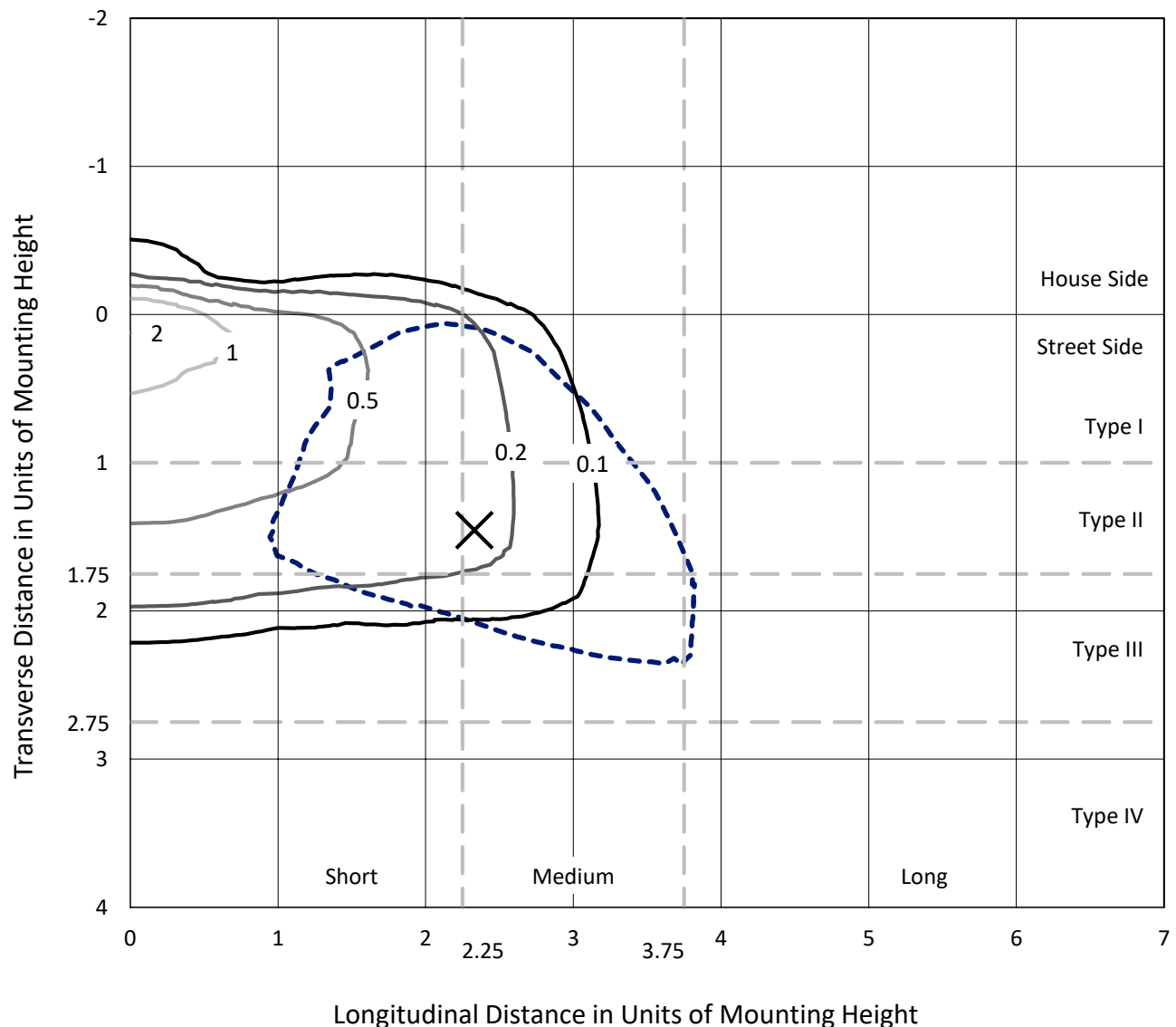
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

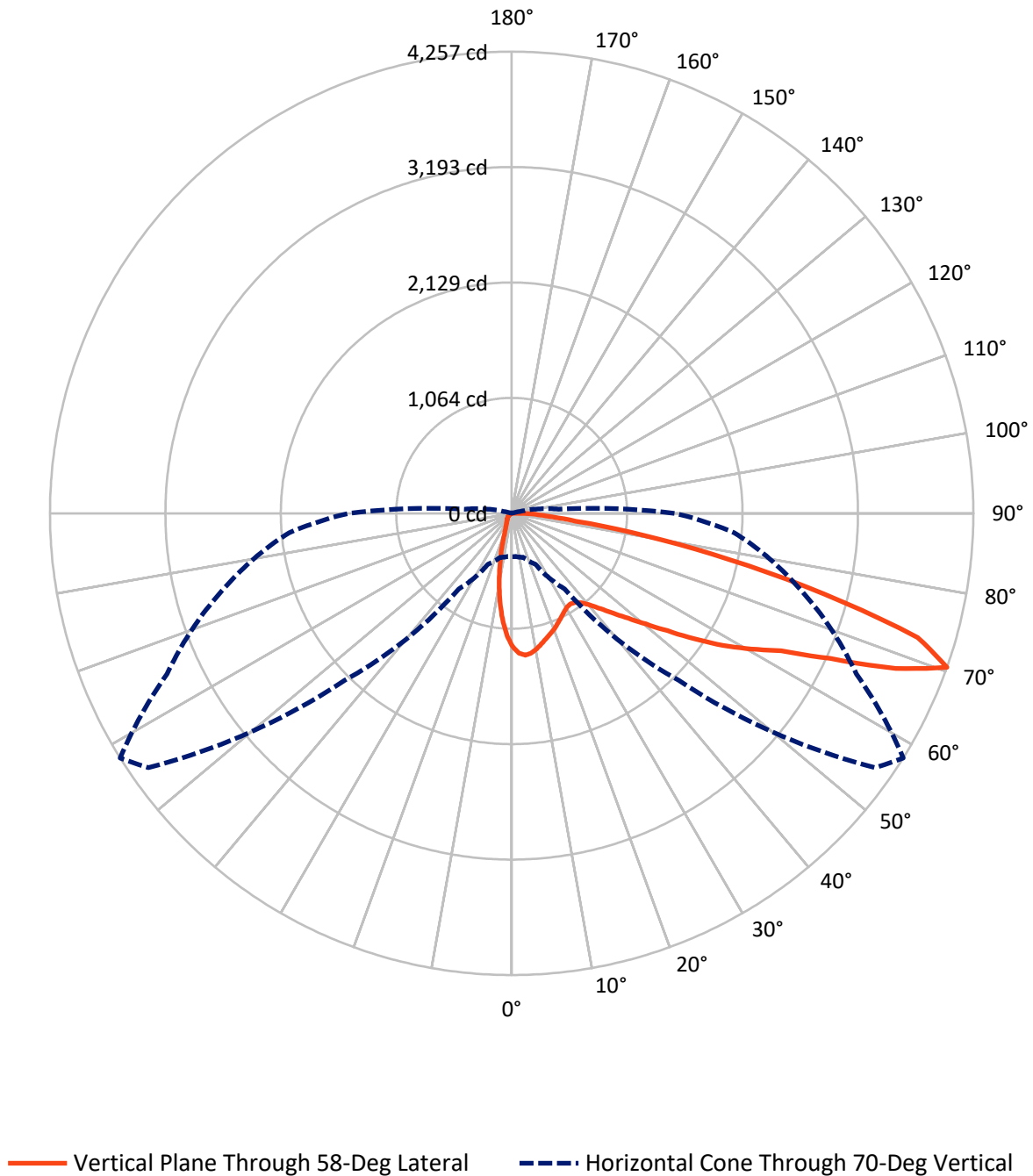
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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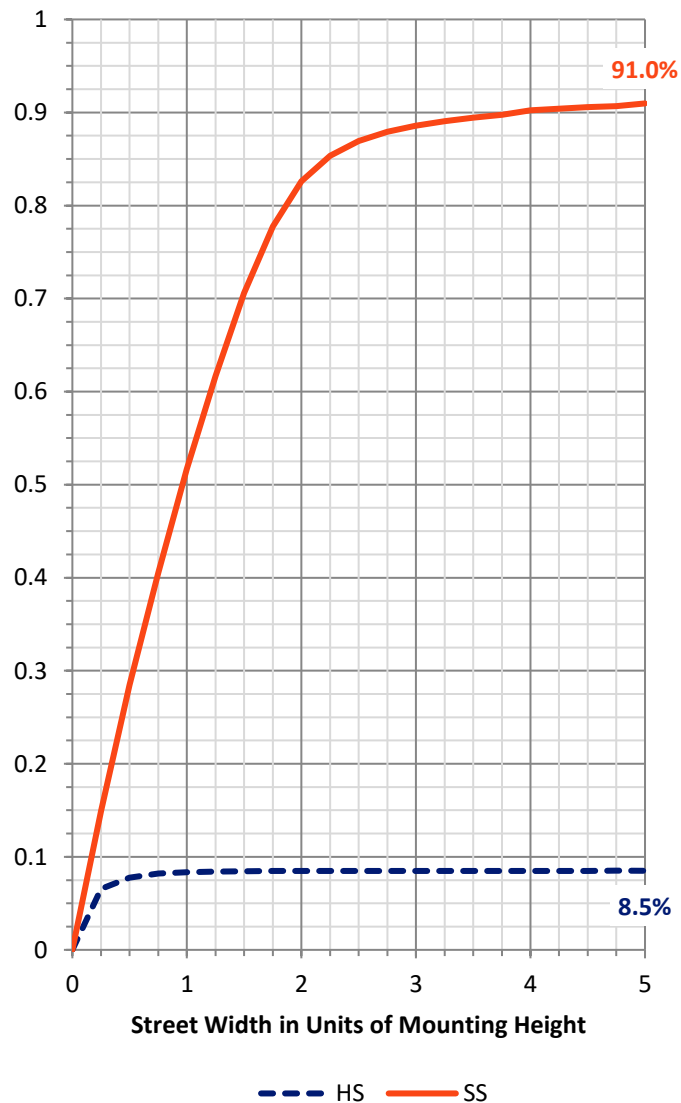
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	356.7	0.0	356.7
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	3811.3	0.0	3811.3
	% Fixture	91.4	0.0	91.4
Total	Lumens	4168.0	0.0	4168.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	2.4
10°-20°	211.3	5.1
20°-30°	277.8	6.7
30°-40°	367.9	8.8
40°-50°	549.9	13.2
50°-60°	880.9	21.1
60°-70°	1110.4	26.6
70°-80°	599.0	14.4
80°-90°	70.1	1.7
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°	4168.0	100.0
0°-180°	4168.0	100.0

Coefficient of Utilization



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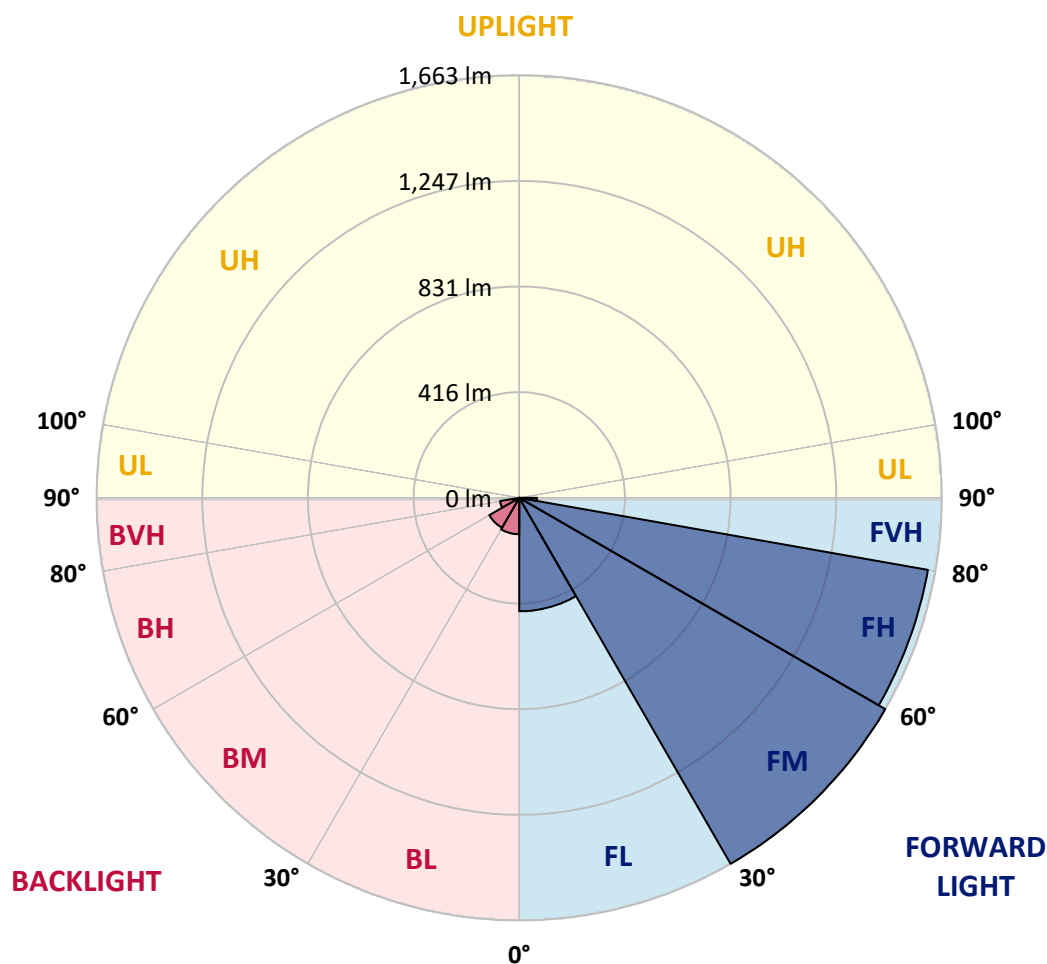
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	446.5	10.7			
FM	(30°-60°)	1662.7	39.9			
FH	(60°-80°)	1632.7	39.2			G1/1800
FVH	(80°-90°)	69.5	1.7			G1/100
BL	(0°-30°)	143.3	3.4	B1/500		
BM	(30°-60°)	136.1	3.3	B0/220		
BH	(60°-80°)	76.7	1.8	B0/110		G0/110
BVH	(80°-90°)	0.6	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-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1231.2	1231.2	1231.2	1231.2	1231.2	1231.2	1231.2	1231.2	1231.2	1231.2	1231.2
2.5°	1333.3	1330.0	1328.8	1326.7	1318.7	1310.9	1295.5	1291.2	1281.5	1258.4	1234.0
5°	1334.3	1334.2	1337.8	1336.9	1334.2	1330.5	1319.4	1313.7	1297.2	1264.3	1219.6
7.5°	1270.0	1273.3	1281.5	1288.1	1295.7	1305.6	1306.9	1301.4	1287.9	1252.4	1193.1
10°	1183.7	1188.9	1200.4	1213.4	1233.3	1253.0	1270.7	1270.0	1265.3	1230.3	1161.2
12.5°	1097.2	1103.3	1116.5	1135.7	1164.0	1196.2	1227.7	1232.1	1239.9	1210.6	1131.7
15°	1021.5	1026.7	1039.7	1063.3	1098.3	1141.6	1187.9	1195.9	1216.0	1195.2	1107.1
17.5°	957.2	960.5	970.0	996.2	1036.8	1089.3	1149.4	1165.0	1195.0	1183.0	1085.8
20°	912.3	912.8	919.1	937.4	978.0	1036.8	1109.5	1131.9	1172.8	1172.6	1063.8
22.5°	890.1	888.4	889.6	900.2	930.0	986.7	1069.7	1096.2	1152.9	1163.8	1041.4
25°	886.0	884.6	881.1	882.5	900.5	942.8	1029.5	1060.1	1135.4	1158.4	1022.0
27.5°	899.0	900.4	894.5	888.2	889.6	914.4	993.8	1029.3	1121.2	1158.4	1008.3
30°	925.1	925.8	921.5	913.4	902.4	906.4	969.0	1004.5	1114.0	1166.4	999.7
32.5°	954.1	957.9	957.4	950.8	935.2	919.1	963.1	995.5	1113.5	1184.1	998.8
35°	990.0	994.3	1001.6	1000.2	983.9	957.4	983.2	1008.7	1123.8	1213.2	1008.2
37.5°	1028.1	1034.7	1050.3	1057.7	1047.2	1017.2	1028.3	1046.5	1151.1	1260.3	1031.9
40°	1065.0	1072.5	1100.9	1130.2	1122.2	1091.3	1096.5	1111.1	1199.8	1328.1	1077.0
42.5°	1101.2	1112.3	1154.1	1202.3	1211.8	1187.2	1190.0	1201.6	1272.1	1421.3	1150.6
45°	1144.6	1157.0	1218.9	1278.3	1303.8	1293.1	1304.9	1312.5	1366.6	1544.6	1249.9
47.5°	1208.2	1222.5	1298.5	1366.2	1410.9	1417.9	1441.6	1446.6	1486.0	1688.1	1379.4
50°	1332.2	1336.2	1404.9	1466.4	1530.9	1572.5	1599.5	1603.3	1630.5	1844.9	1541.1
52.5°	1488.4	1491.0	1529.8	1571.1	1644.4	1729.3	1792.6	1797.9	1803.7	1997.8	1700.7
55°	1643.5	1643.2	1668.8	1693.1	1777.0	1900.4	2037.6	2040.9	1999.8	2142.8	1822.7
57.5°	1740.4	1749.8	1788.8	1819.9	1937.1	2095.3	2285.8	2297.9	2205.9	2250.3	1943.3
60°	1709.5	1714.1	1800.5	1916.0	2136.6	2372.5	2536.9	2540.1	2360.9	2357.6	2095.9
62.5°	1456.5	1458.9	1594.8	1832.8	2237.6	2731.9	2839.9	2789.1	2539.0	2506.4	2278.4
65°	998.3	1014.0	1127.6	1421.7	2052.0	2957.4	3308.9	3224.8	2810.6	2721.0	2443.4
67.5°	587.9	584.6	640.7	857.4	1507.1	2807.7	3902.1	3818.6	3181.0	2864.7	2395.0
70°	401.6	399.3	420.8	519.1	850.8	2178.0	4088.8	4257.4	3508.0	2768.0	2061.2
72.5°	286.7	287.9	319.6	403.3	534.1	1269.0	3516.2	3915.3	3405.6	2413.0	1566.7
75°	194.6	197.9	243.3	330.9	468.3	645.6	2495.2	2976.3	2773.2	1753.7	900.5
77.5°	104.7	108.3	161.9	266.6	423.4	448.5	1605.0	2048.4	1742.0	788.4	261.0
80°	43.7	45.8	75.7	193.8	365.9	393.9	944.4	1242.1	742.3	155.5	58.2
82.5°	18.9	19.9	31.5	115.6	273.5	332.6	500.0	597.6	225.0	34.1	29.3
85°	3.6	3.8	13.0	61.2	174.5	187.7	324.1	317.7	101.0	14.7	21.3
87.5°	0.0	0.0	3.1	19.2	51.3	102.3	197.7	195.3	34.3	7.1	8.0
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°	1231.2	1231.2	1231.2	1231.2	1231.2	1231.2	1231.2	1231.2	1231.2	1231.2	1231.2
2.5°	1221.5	1209.5	1184.4	1153.4	1129.6	1103.5	1082.7	1056.3	1044.9	1045.4	1039.2
5°	1194.1	1169.5	1113.9	1043.7	989.6	933.8	885.8	838.0	809.7	800.5	791.9
7.5°	1155.0	1116.0	1027.2	919.1	827.6	738.1	660.3	591.9	548.5	527.4	519.6
10°	1110.8	1056.0	927.6	785.1	654.4	533.5	432.6	344.9	309.9	286.1	280.1
12.5°	1071.9	997.8	830.2	647.7	492.6	346.6	250.4	195.8	172.1	162.7	161.2
15°	1035.4	943.3	736.4	523.2	341.1	213.3	159.3	140.7	135.2	133.6	133.6
17.5°	1000.9	891.5	644.7	400.7	225.7	149.6	131.9	127.7	126.0	125.8	126.0
20°	964.8	839.7	554.6	293.6	157.5	126.7	121.8	119.6	119.1	119.1	119.1
22.5°	930.3	787.9	466.9	209.7	126.3	115.6	113.2	111.6	111.1	110.9	110.6
25°	897.2	738.7	381.3	148.2	110.9	105.9	103.8	101.7	100.2	99.3	98.8
27.5°	870.0	694.8	301.6	118.9	100.2	95.8	93.2	90.1	86.3	84.6	83.9
30°	848.4	654.8	232.4	100.3	90.1	85.8	81.8	76.4	70.9	67.9	67.8
32.5°	831.4	615.4	176.4	88.7	81.1	75.7	70.0	63.3	56.8	53.6	53.4
35°	823.1	580.8	134.8	80.2	73.1	66.4	59.3	51.8	45.6	42.5	42.1
37.5°	828.6	551.5	105.2	73.1	66.4	58.6	50.3	42.5	36.9	34.1	34.0
40°	848.9	532.8	85.4	67.1	60.7	51.1	42.1	34.8	30.2	27.9	27.7
42.5°	892.0	525.8	73.0	62.0	55.1	44.2	35.0	28.8	24.4	22.9	22.5
45°	964.1	536.1	64.5	57.2	49.4	37.6	28.9	23.6	19.8	18.5	18.4
47.5°	1060.1	562.9	58.4	52.5	44.2	31.7	24.1	19.1	16.1	14.9	14.7
50°	1183.9	605.6	53.4	47.8	39.3	26.9	19.9	15.1	12.5	11.6	11.6
52.5°	1318.6	656.3	48.9	43.5	34.5	22.4	16.1	11.6	9.9	8.8	8.8
55°	1429.8	700.7	44.0	40.2	28.6	18.5	12.3	8.8	7.3	6.8	6.8
57.5°	1540.9	748.0	38.5	34.5	22.9	15.1	9.4	6.6	5.4	5.0	5.0
60°	1684.9	805.9	33.1	28.1	18.0	11.4	6.9	4.7	4.0	3.8	3.8
62.5°	1843.3	839.9	28.2	22.5	14.0	8.5	5.0	3.1	2.9	2.9	2.8
65°	1940.2	791.9	23.7	18.0	10.9	6.4	3.3	2.3	2.6	2.4	2.1
67.5°	1816.7	619.9	19.4	14.0	8.5	4.9	2.1	1.6	2.8	2.3	1.7
70°	1504.2	434.0	15.1	9.9	6.8	4.2	1.4	1.0	2.9	2.3	1.4
72.5°	1125.7	290.5	12.0	6.6	5.0	3.6	1.2	0.5	2.6	1.9	1.2
75°	615.1	117.0	9.5	4.2	3.1	2.6	0.9	0.3	1.7	1.4	0.9
77.5°	161.9	30.8	6.9	2.8	1.7	1.0	0.5	0.2	0.9	0.7	0.3
80°	41.2	12.0	4.5	1.9	1.2	0.5	0.0	0.0	0.2	0.0	0.0
82.5°	22.0	5.0	2.8	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	16.6	3.3	1.6	0.9	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.4	1.0	0.5	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	0.0

(END OF REPORT)