

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: P318805

Luminaire Tested: **GAN-SA1C-760-U-T4FT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318805
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1C-760-U-T4FT
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV FORWARD
THROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7450 lumens
Efficiency: N/A
Efficacy: 126.3 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

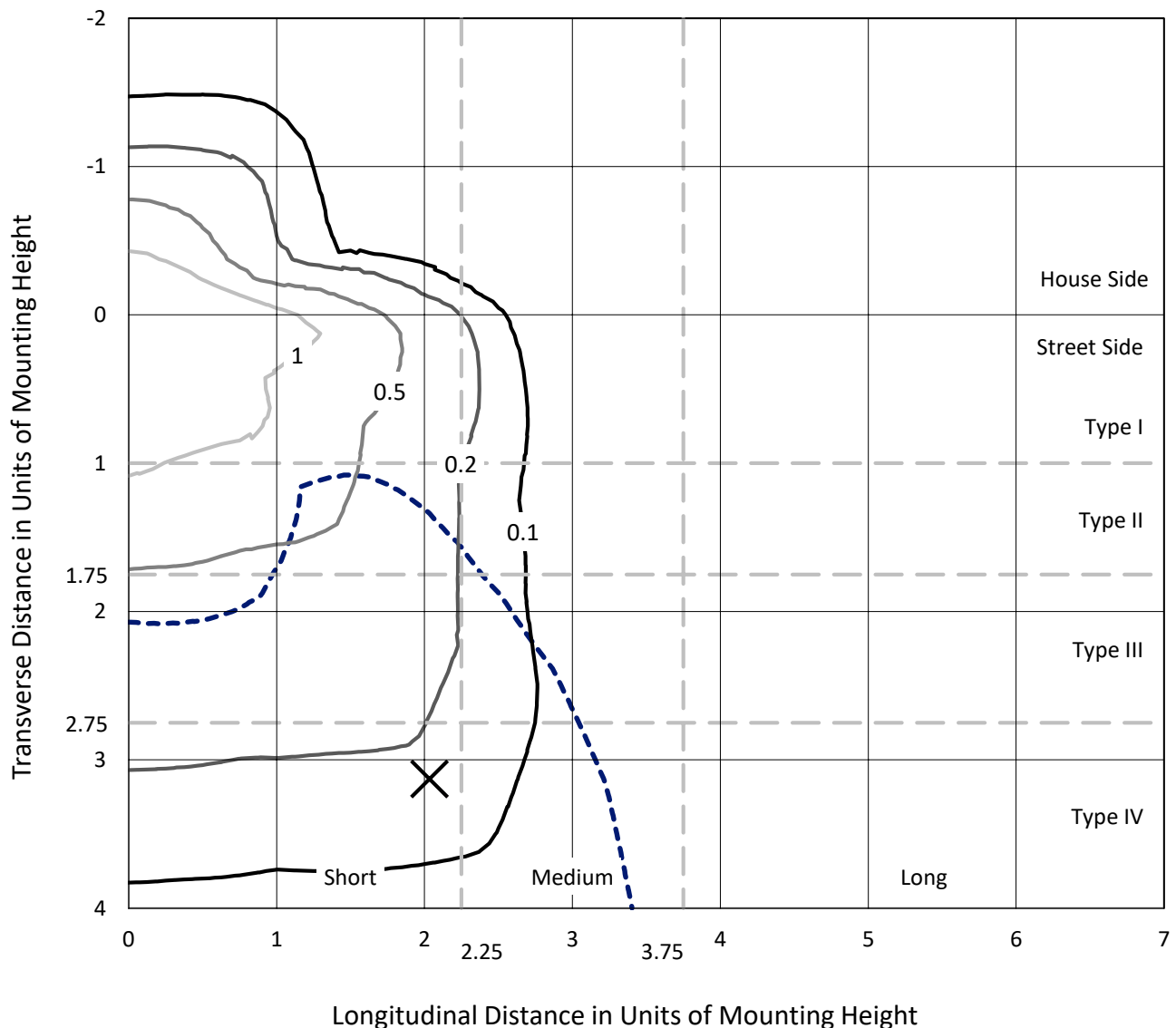
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

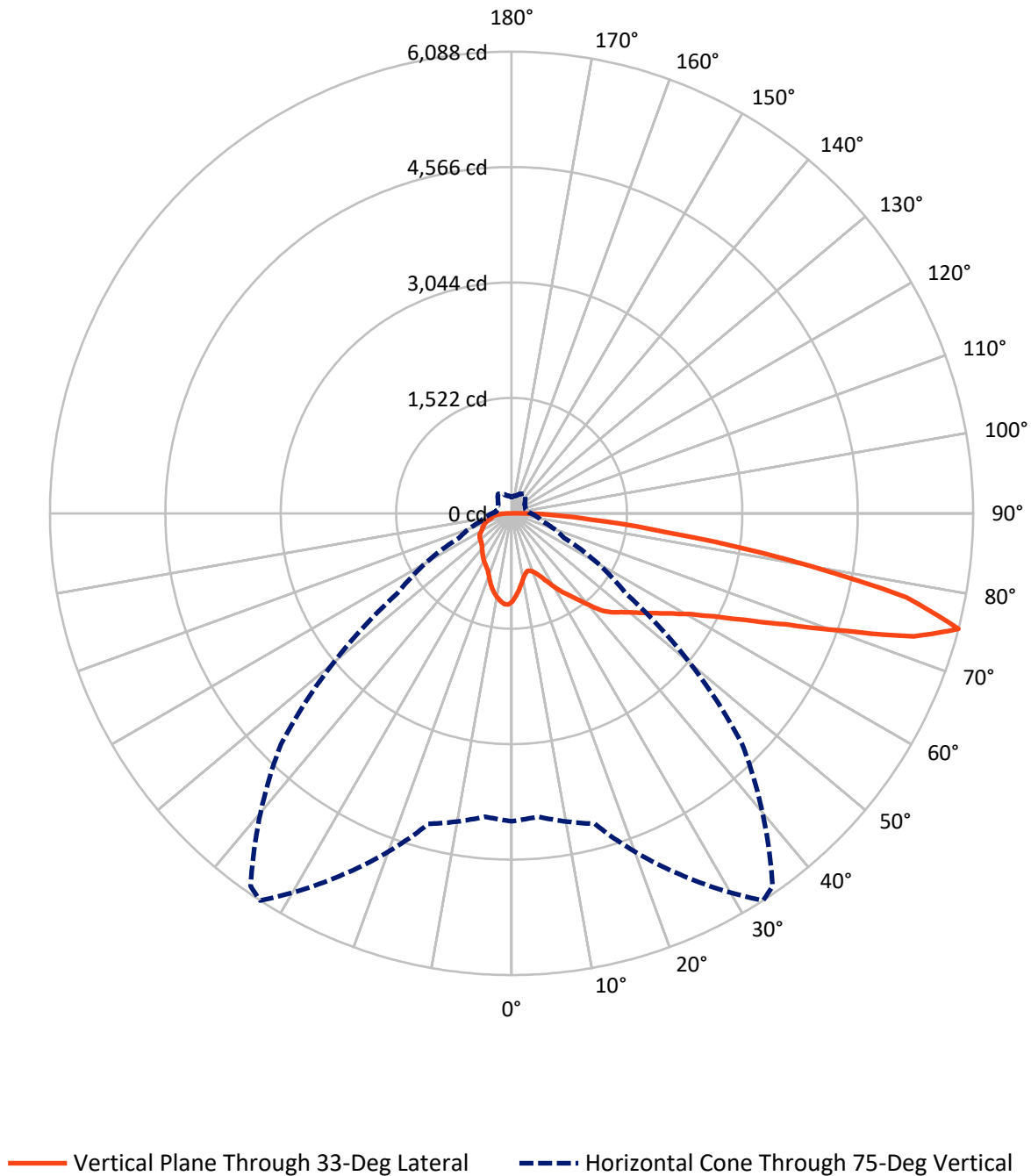
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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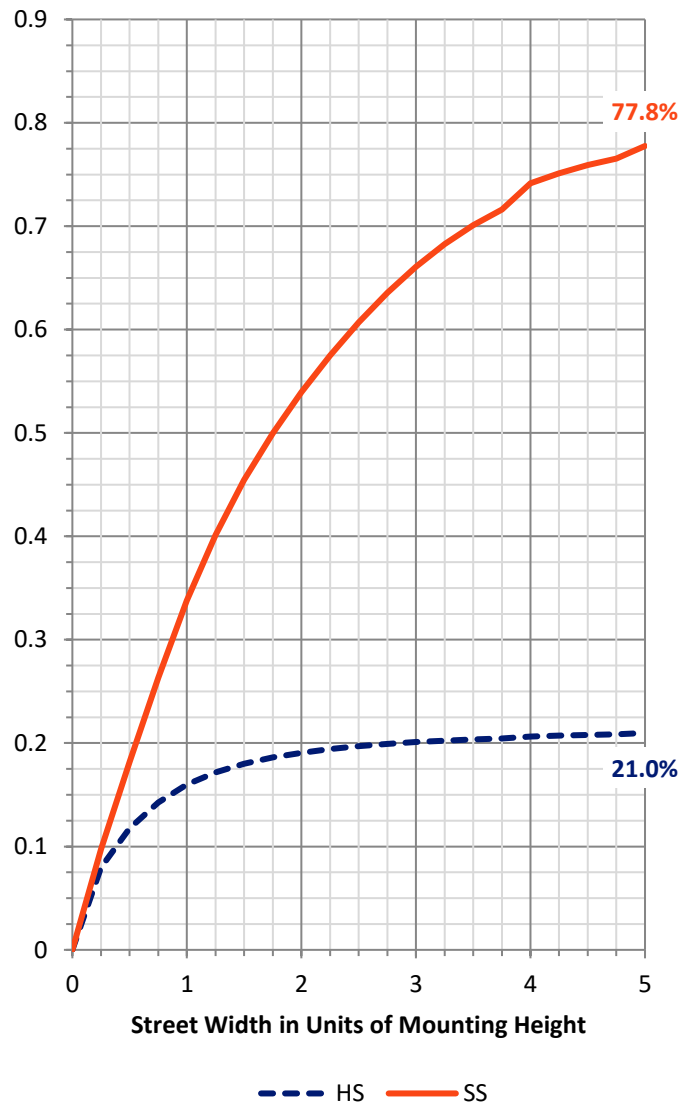
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1599.7	0.0	1599.7
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	5850.3	0.0	5850.3
	% Fixture	78.5	0.0	78.5
Total	Lumens	7450.0	0.0	7450.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.3	1.4
10°-20°	285.2	3.8
20°-30°	465.8	6.3
30°-40°	693.7	9.3
40°-50°	995.0	13.4
50°-60°	1366.0	18.3
60°-70°	1710.1	23.0
70°-80°	1547.1	20.8
80°-90°	281.8	3.8
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°	7450.0	100.0
0°-180°	7450.0	100.0

Coefficient of Utilization



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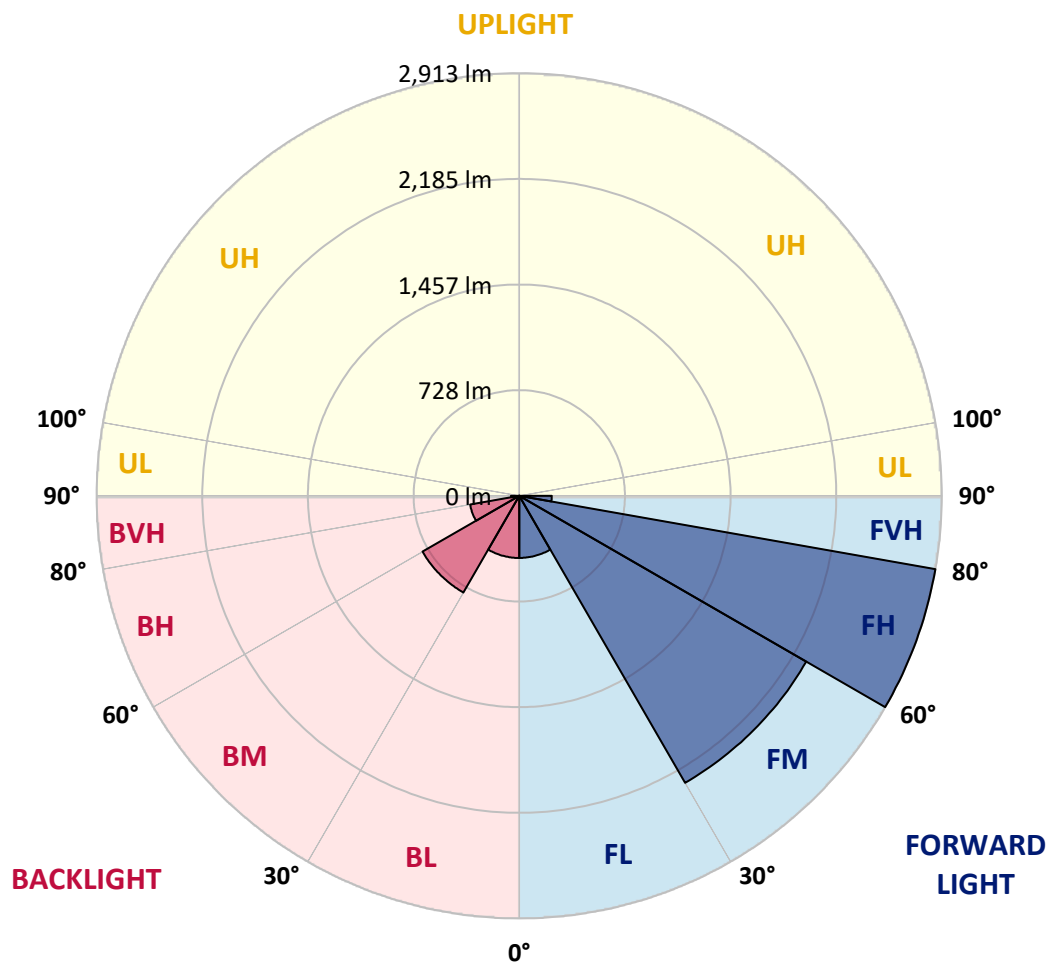
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	427.9	5.7			
FM	(30°-60°)	2284.8	30.7			
FH	(60°-80°)	2913.2	39.1			G2/5000
FVH	(80°-90°)	224.4	3.0			G2/225
BL	(0°-30°)	428.5	5.8	B1/500		
BM	(30°-60°)	769.9	10.3	B1/1000		
BH	(60°-80°)	344.0	4.6	B1/500		G1/500
BVH	(80°-90°)	57.4	0.8			G1/100
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°	33°	35°	45°	55°	65°	75°	85°
0°	1164.5	1164.5	1164.5	1164.5	1164.5	1164.5	1164.5	1164.5	1164.5	1164.5	1164.5
2.5°	1081.4	1077.2	1085.0	1086.0	1092.7	1095.3	1104.5	1118.9	1130.8	1144.4	1156.8
5°	983.3	980.5	991.3	999.0	1013.7	1019.9	1041.7	1072.3	1099.6	1130.5	1158.6
7.5°	890.1	888.6	900.7	918.2	935.2	943.7	981.5	1026.0	1071.6	1121.5	1164.5
10°	811.7	811.1	822.7	840.0	864.9	874.5	923.3	982.0	1045.8	1114.6	1174.5
12.5°	767.7	769.5	774.9	789.3	812.4	822.0	876.3	945.2	1024.2	1112.2	1189.2
15°	778.5	781.3	772.0	771.5	788.0	795.4	846.4	919.0	1008.8	1116.1	1210.5
17.5°	824.5	825.0	800.6	785.2	795.2	799.0	837.1	904.0	999.8	1124.8	1237.3
20°	889.4	888.1	844.9	819.1	824.5	825.6	850.3	904.3	999.0	1140.0	1272.0
22.5°	975.3	965.8	907.6	872.6	871.4	869.8	884.0	923.3	1010.3	1164.7	1313.5
25°	1087.5	1078.5	998.5	950.6	940.3	936.5	938.5	964.0	1032.7	1191.2	1359.8
27.5°	1212.3	1196.6	1119.4	1051.8	1030.4	1025.0	1012.6	1021.4	1057.2	1216.7	1414.9
30°	1316.8	1308.3	1240.9	1160.6	1135.4	1127.7	1095.3	1085.7	1092.4	1251.5	1484.4
32.5°	1375.2	1369.6	1328.7	1263.8	1240.4	1229.6	1183.8	1164.7	1149.0	1306.3	1578.5
35°	1446.0	1442.4	1417.7	1370.6	1335.9	1324.5	1289.0	1269.2	1228.8	1381.7	1700.3
37.5°	1536.1	1532.2	1532.7	1494.6	1453.2	1442.7	1419.2	1398.4	1332.3	1480.8	1832.5
40°	1638.0	1630.5	1627.7	1625.9	1599.6	1593.7	1581.4	1553.1	1462.0	1599.1	1963.0
42.5°	1791.4	1764.9	1708.2	1729.6	1755.6	1752.5	1762.5	1721.9	1606.1	1739.1	2090.4
45°	1939.3	1895.8	1798.1	1802.7	1859.6	1876.8	1951.9	1923.1	1762.3	1892.5	2222.2
47.5°	2006.8	1973.8	1890.7	1891.0	1947.3	1983.1	2147.8	2127.2	1926.5	2066.7	2383.0
50°	2082.2	2049.2	1974.6	2002.6	2051.8	2089.9	2336.9	2326.4	2082.7	2257.4	2575.7
52.5°	2164.5	2108.7	2061.3	2111.5	2180.5	2224.7	2526.3	2497.5	2226.0	2449.4	2797.3
55°	2165.5	2150.4	2186.4	2223.2	2326.4	2380.7	2724.7	2648.6	2342.9	2638.0	2977.7
57.5°	2288.8	2264.1	2340.5	2357.5	2492.4	2553.6	2922.1	2780.1	2461.7	2782.6	3075.0
60°	2452.0	2430.9	2493.4	2538.2	2697.7	2779.6	3132.9	2915.2	2555.2	2891.8	3070.4
62.5°	2733.8	2709.8	2709.0	2771.8	2986.7	3081.9	3369.4	3047.7	2592.2	2913.4	2939.4
65°	3146.3	3108.2	3036.4	3066.2	3385.9	3480.8	3633.7	3143.7	2543.3	2797.6	2602.0
67.5°	3547.7	3546.4	3458.2	3519.4	3912.9	3989.1	3934.8	3153.2	2390.7	2394.3	2003.4
70°	3947.9	3953.0	3938.1	4151.2	4625.0	4704.2	4255.4	3025.3	2047.7	1729.1	1200.2
72.5°	4264.9	4263.7	4338.8	4888.2	5549.1	5531.3	4525.6	2637.8	1470.2	933.4	573.6
75°	4059.6	4014.8	4238.7	5253.1	6087.7	6001.0	4295.8	1840.0	763.0	424.9	308.8
77.5°	2647.8	2690.3	3018.9	4339.6	5324.9	5219.4	3151.7	858.5	359.5	278.7	223.9
80°	958.9	1003.6	1413.6	2458.1	3668.7	3651.4	1552.0	352.8	243.2	210.5	163.2
82.5°	329.9	346.4	557.7	1091.6	2071.4	2148.6	583.9	200.5	176.8	149.3	111.7
85°	129.4	148.2	255.0	525.2	1044.8	1052.5	236.5	119.9	123.0	97.8	61.2
87.5°	49.2	59.7	122.0	244.0	477.1	438.3	84.7	57.1	70.0	58.2	29.1
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°	1164.5	1164.5	1164.5	1164.5	1164.5	1164.5	1164.5	1164.5	1164.5	1164.5	1164.5
2.5°	1166.3	1171.7	1183.0	1190.7	1199.0	1201.3	1202.3	1204.4	1206.4	1205.7	1205.9
5°	1173.5	1184.0	1202.3	1210.0	1213.6	1209.5	1201.5	1195.1	1190.5	1187.9	1187.1
7.5°	1185.3	1200.2	1219.8	1218.5	1210.3	1192.0	1171.4	1156.0	1143.1	1138.5	1135.9
10°	1201.0	1218.5	1232.2	1217.5	1193.6	1161.9	1131.0	1107.1	1087.8	1080.3	1079.0
12.5°	1221.1	1238.8	1241.4	1210.3	1170.7	1127.4	1085.5	1053.8	1025.0	1015.7	1013.7
15°	1247.1	1263.8	1247.9	1197.7	1142.3	1084.2	1029.9	986.9	956.5	945.2	941.1
17.5°	1274.4	1290.3	1249.1	1176.8	1105.3	1033.0	964.8	920.8	886.0	872.9	871.4
20°	1307.0	1314.3	1243.7	1147.0	1054.3	966.6	894.8	853.3	834.8	825.6	824.5
22.5°	1347.4	1339.7	1231.4	1106.6	989.7	889.9	831.5	812.2	807.5	805.5	806.3
25°	1390.2	1366.5	1213.1	1053.8	908.2	813.2	785.2	790.6	796.7	796.0	796.0
27.5°	1437.3	1393.8	1185.1	983.8	817.8	750.4	753.8	773.6	782.8	782.6	782.3
30°	1497.7	1424.7	1149.3	899.7	733.4	706.1	726.5	750.7	763.3	762.8	763.0
32.5°	1572.1	1458.6	1100.7	805.7	672.4	673.5	696.9	720.8	735.5	734.2	734.5
35°	1659.1	1496.7	1034.8	713.1	632.0	647.5	666.0	682.7	696.6	694.8	693.0
37.5°	1753.8	1534.0	947.3	630.2	599.1	623.3	638.7	641.6	648.0	643.4	640.0
40°	1843.9	1562.6	834.6	562.3	565.9	602.7	612.7	601.4	589.8	588.3	583.7
42.5°	1922.4	1572.1	720.6	508.0	530.9	581.1	587.3	563.6	542.7	533.0	528.8
45°	2005.2	1575.5	614.3	462.4	497.2	561.8	568.5	536.8	507.5	486.4	479.4
47.5°	2113.6	1599.6	531.7	428.7	471.5	548.9	558.4	515.5	477.4	447.3	440.8
50°	2255.4	1647.5	464.5	403.0	454.7	540.4	551.2	494.6	452.7	416.4	409.9
52.5°	2412.8	1691.5	410.2	382.2	438.5	525.5	542.0	479.7	429.5	387.8	380.9
55°	2523.0	1657.8	366.5	360.5	417.4	504.1	529.1	467.1	396.3	360.0	353.8
57.5°	2544.1	1542.5	333.3	338.1	391.9	477.4	509.3	439.0	378.3	347.9	341.5
60°	2486.4	1381.9	308.6	317.6	364.7	443.7	472.2	419.2	361.1	335.1	329.7
62.5°	2341.6	1217.5	290.3	299.0	339.2	409.4	449.1	398.4	343.6	320.4	315.0
65°	2049.0	1022.2	272.8	282.6	315.5	379.8	428.2	379.1	326.3	308.6	303.4
67.5°	1546.6	765.6	256.3	265.1	294.4	354.1	405.6	360.0	309.6	298.3	292.1
70°	910.7	479.4	237.5	246.8	272.3	327.3	381.4	339.2	288.7	283.6	275.6
72.5°	423.8	288.5	216.2	225.2	244.5	291.6	350.2	311.9	264.0	252.7	241.9
75°	253.0	211.0	190.9	198.9	212.6	253.5	311.1	284.1	240.6	225.7	214.4
77.5°	189.1	161.4	163.2	171.6	182.7	221.8	275.6	262.2	222.6	211.0	203.3
80°	136.1	122.5	133.0	142.3	153.9	201.8	264.0	242.4	201.2	185.8	178.6
82.5°	90.8	88.0	100.1	109.6	121.0	176.5	248.1	212.3	171.9	152.3	136.4
85°	50.2	53.0	67.4	71.5	81.3	124.3	203.3	170.6	129.4	104.2	99.6
87.5°	20.8	24.4	36.3	35.0	43.2	74.1	133.8	102.9	82.3	61.5	47.9
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)