

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: P200293

Luminaire Tested: **GAW-AF-01-LED-E1-SL3-7050-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200293
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24288)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAW-AF-01-LED-E1-SL3-7050-800
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 5000K, 800mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5137 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 44
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



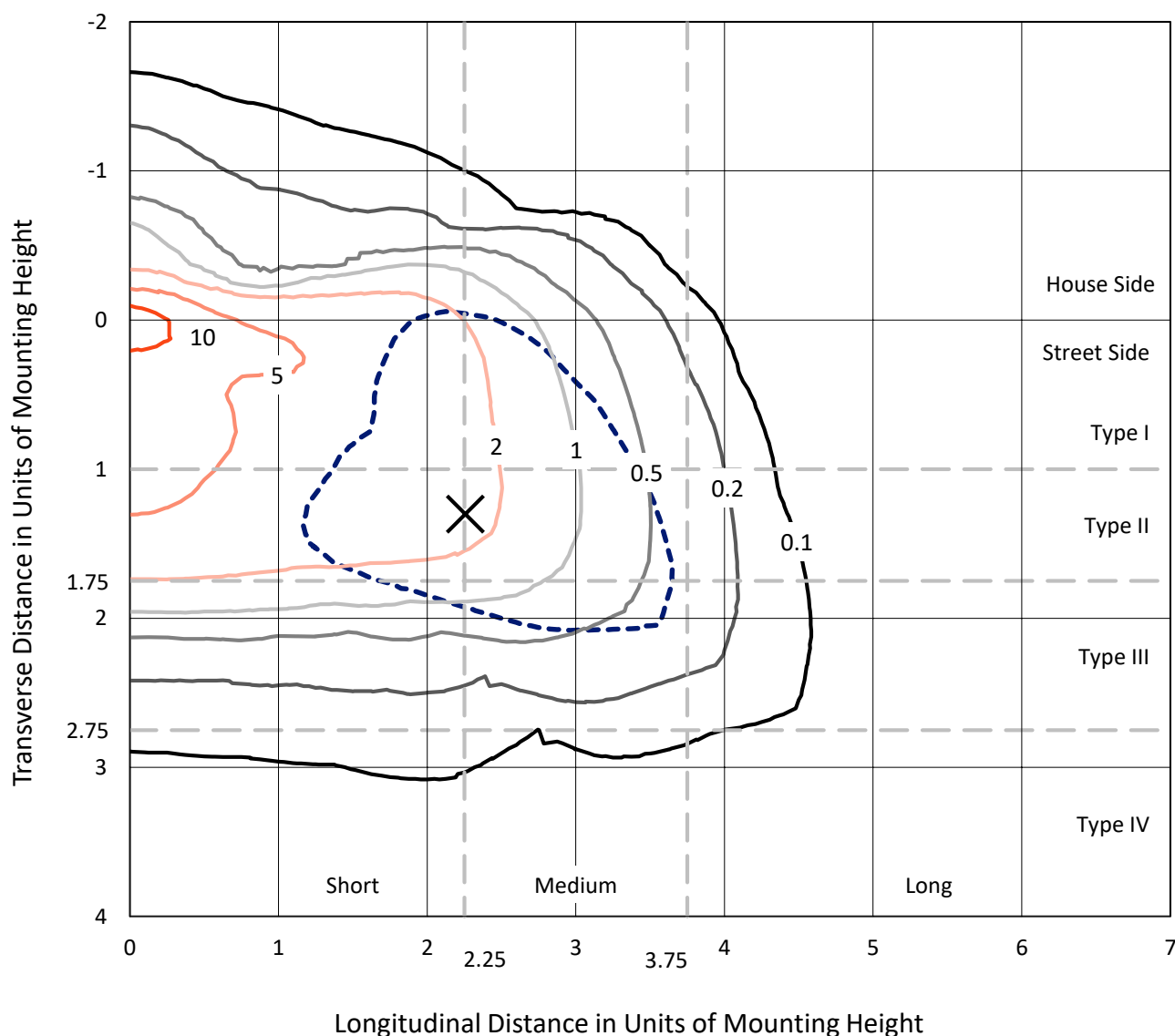
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

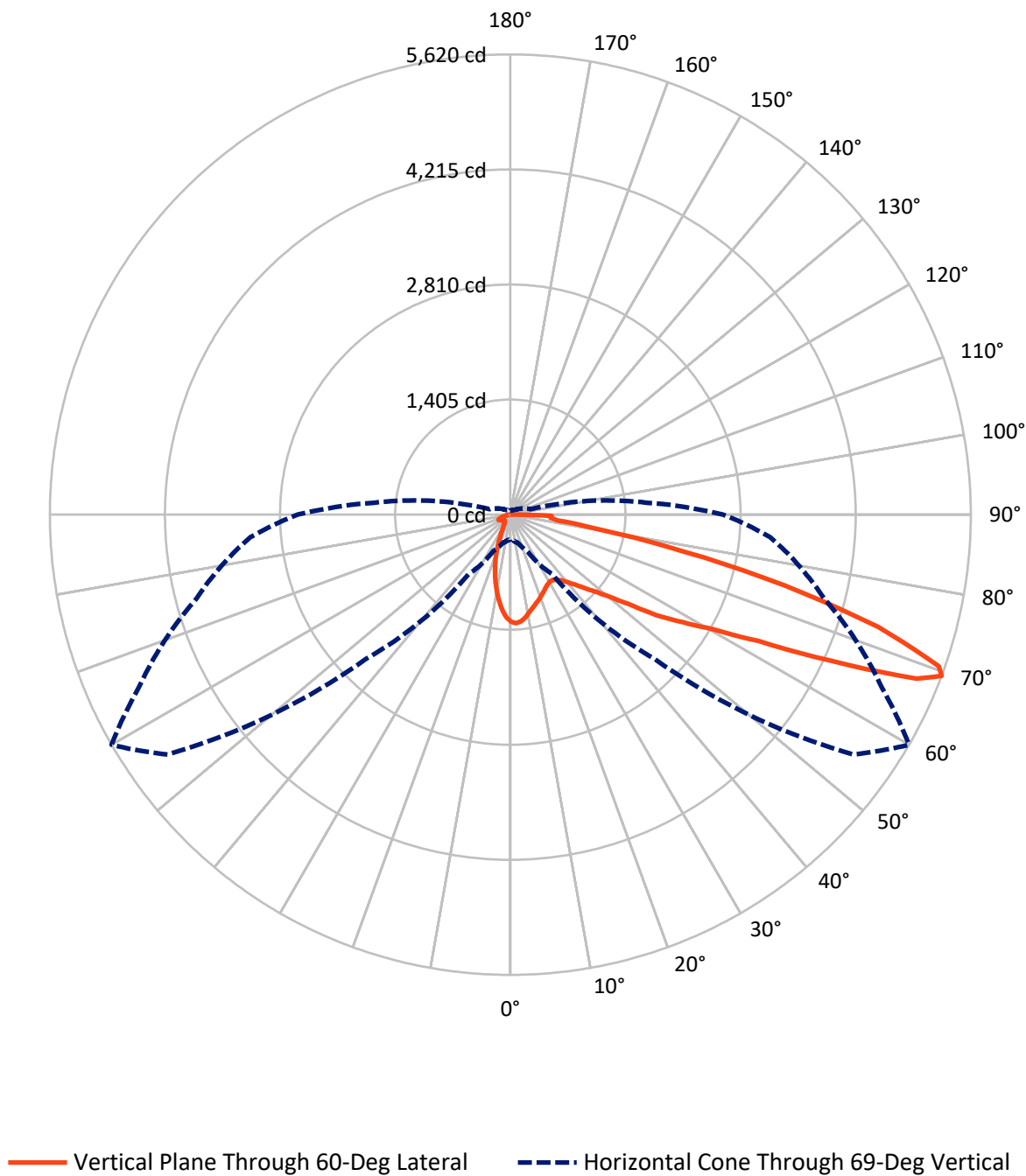


Based on 10 foot mounting height. Maximum calculated value = 13.1 fc
Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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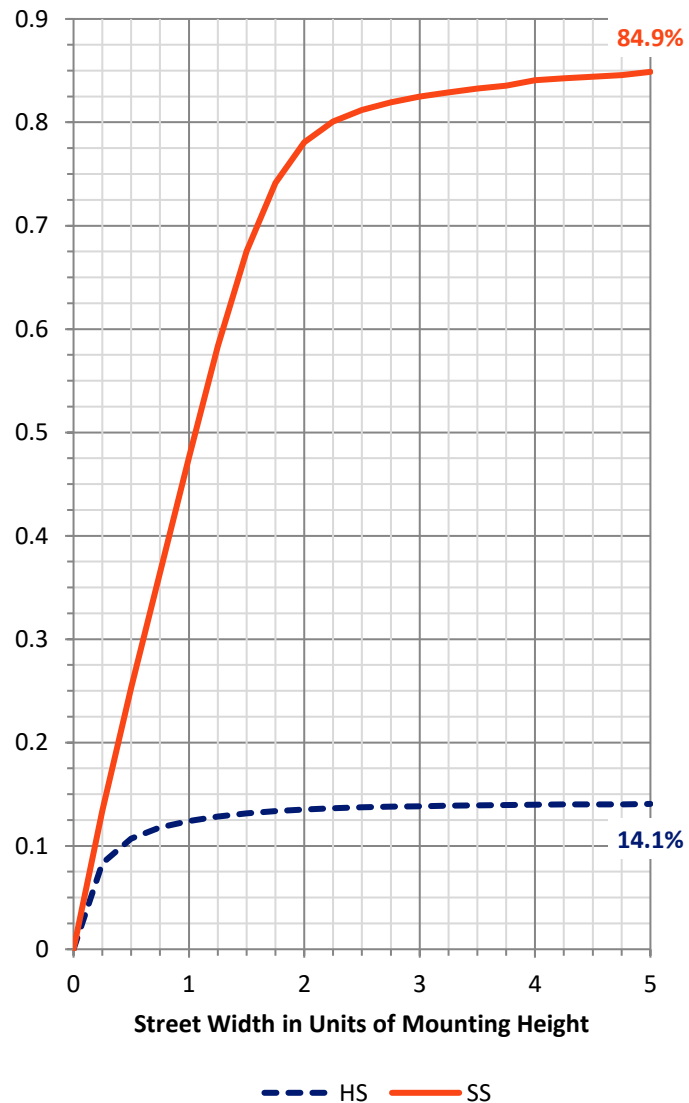
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	730.8	0.0	730.8
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	4406.2	0.0	4406.2
	% Fixture	85.8	0.0	85.8
Total	Lumens	5137.0	0.0	5137.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	2.2
10°-20°	235.8	4.6
20°-30°	300.5	5.8
30°-40°	413.1	8.0
40°-50°	670.2	13.0
50°-60°	1074.9	20.9
60°-70°	1430.6	27.8
70°-80°	772.4	15.0
80°-90°	128.9	2.5
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°	5137.0	100.0
0°-180°	5137.0	100.0

Coefficient of Utilization



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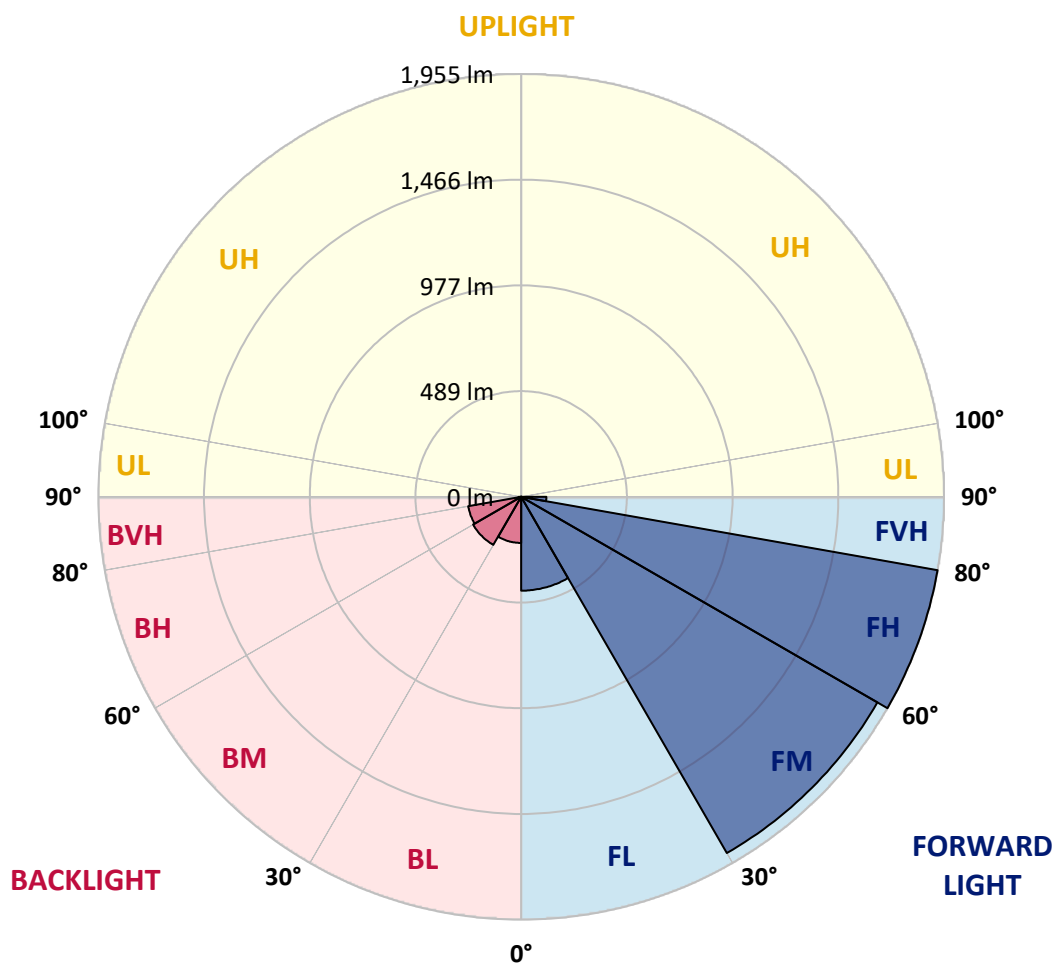
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	433.7	8.4			
FM	(30°-60°)	1901.4	37.0			
FH	(60°-80°)	1954.5	38.0			G2/5000
FVH	(80°-90°)	116.5	2.3			G2/225
BL	(0°-30°)	213.2	4.2	B1/500		
BM	(30°-60°)	256.8	5.0	B1/1000		
BH	(60°-80°)	248.5	4.8	B1/500		G1/500
BVH	(80°-90°)	12.4	0.2			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0
2.5°	1335.8	1338.8	1337.5	1336.8	1339.0	1335.5	1328.3	1326.1	1322.6	1314.4	1300.5
5°	1285.7	1294.6	1294.1	1300.8	1312.0	1314.9	1311.7	1312.2	1305.8	1295.6	1272.5
7.5°	1199.1	1202.8	1204.8	1219.4	1239.8	1256.1	1270.0	1274.5	1271.5	1262.8	1233.1
10°	1109.7	1112.7	1117.4	1134.5	1160.3	1182.9	1209.2	1224.4	1230.8	1229.3	1196.1
12.5°	1033.0	1036.0	1042.2	1061.6	1092.4	1120.1	1158.4	1177.2	1192.6	1201.8	1166.1
15°	964.3	970.8	976.7	999.0	1033.5	1070.0	1113.2	1137.0	1160.8	1181.4	1139.5
17.5°	910.7	917.2	920.6	941.0	977.7	1022.4	1073.0	1101.0	1130.8	1164.6	1113.2
20°	879.7	882.7	881.2	892.6	925.6	973.0	1033.0	1065.6	1101.5	1148.7	1086.9
22.5°	871.0	871.3	865.8	864.6	885.9	925.8	990.4	1029.8	1074.0	1138.3	1064.3
25°	892.1	891.4	876.5	864.3	866.5	889.9	949.2	995.1	1050.9	1136.0	1046.9
27.5°	939.0	941.2	919.1	896.3	873.7	873.0	917.9	966.3	1032.1	1146.2	1039.5
30°	1004.8	1008.5	984.9	955.9	913.4	878.4	905.7	949.2	1020.4	1167.3	1038.3
32.5°	1076.7	1080.7	1062.8	1032.3	976.7	912.2	914.2	950.7	1019.9	1196.8	1046.7
35°	1153.4	1157.9	1148.7	1122.9	1061.1	974.5	946.4	974.7	1036.0	1242.0	1069.3
37.5°	1239.0	1246.0	1248.4	1223.9	1157.9	1056.6	999.3	1020.4	1072.5	1304.8	1110.7
40°	1362.3	1372.0	1371.3	1336.0	1268.8	1167.5	1080.9	1086.4	1129.3	1388.6	1177.0
42.5°	1598.6	1600.6	1538.8	1462.1	1390.9	1284.2	1177.2	1172.8	1207.7	1494.8	1274.5
45°	1899.1	1890.9	1753.4	1605.3	1518.4	1418.2	1302.5	1280.7	1307.2	1624.4	1396.6
47.5°	2148.5	2129.6	1955.9	1751.4	1653.4	1563.8	1449.7	1411.5	1426.1	1771.3	1554.4
50°	2235.1	2220.9	2077.0	1873.0	1781.2	1741.5	1630.8	1576.7	1580.7	1946.5	1739.3
52.5°	2216.5	2214.5	2118.4	1953.2	1900.8	1928.1	1887.4	1814.2	1775.5	2141.0	1938.8
55°	2172.5	2176.8	2142.0	2046.5	2037.6	2108.3	2222.7	2168.6	2048.2	2337.3	2145.0
57.5°	2019.9	2030.9	2107.3	2163.9	2257.7	2362.9	2492.7	2477.3	2341.8	2549.5	2390.2
60°	1627.4	1652.7	1857.6	2141.0	2484.2	2813.3	2871.3	2835.6	2644.5	2812.8	2714.0
62.5°	1140.2	1166.5	1410.2	1853.7	2447.0	3322.0	3548.3	3394.2	3079.3	3200.6	3133.1
65°	610.4	623.1	809.2	1286.2	2065.8	3426.9	4537.7	4303.2	3767.6	3678.8	3491.7
67.5°	336.7	343.7	414.9	649.4	1323.1	3017.7	5167.9	5345.1	4628.0	3997.2	3426.4
69°	304.5	310.9	357.6	491.8	885.4	2495.1	5106.4	5619.8	5005.2	3965.7	3185.2
70°	297.8	303.7	345.7	453.4	716.7	2056.7	4900.2	5549.6	5095.0	3852.8	2974.8
72.5°	268.0	274.5	315.1	407.2	612.4	1025.4	3881.5	4692.2	4625.7	3340.6	2256.4
75°	249.9	255.8	324.8	398.8	586.4	648.9	2558.9	3458.2	3400.4	2336.8	1216.7
77.5°	107.0	106.5	150.6	337.5	595.1	628.3	1375.0	2160.4	1971.0	998.8	349.4
80°	71.5	70.2	71.5	99.3	545.7	631.8	720.4	1096.6	828.3	254.6	172.2
82.5°	61.5	60.5	62.8	60.5	191.8	721.1	612.4	583.1	393.8	144.7	85.4
85°	41.4	39.7	54.1	54.3	90.6	640.7	689.9	492.6	318.6	85.9	42.2
87.5°	19.9	19.4	31.5	38.5	53.1	260.3	774.0	504.7	321.4	43.9	20.1
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°	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0	1309.0
2.5°	1296.3	1286.2	1276.2	1264.3	1251.9	1238.0	1231.1	1224.1	1222.4	1220.4	1213.4
5°	1260.6	1246.2	1221.4	1194.1	1165.3	1137.3	1115.9	1102.5	1092.4	1087.1	1078.0
7.5°	1214.4	1193.3	1149.9	1102.8	1054.4	1010.2	972.0	947.9	925.1	914.4	902.3
10°	1170.5	1139.0	1071.5	1002.0	932.5	865.8	803.0	758.6	719.1	697.1	681.4
12.5°	1132.8	1089.6	996.1	902.0	806.7	711.7	617.6	543.7	481.9	449.4	432.8
15°	1096.1	1044.0	924.4	805.0	682.7	553.4	429.8	345.9	294.8	274.5	267.5
17.5°	1062.8	996.1	852.4	707.2	554.6	398.3	288.8	242.7	223.1	216.4	214.2
20°	1026.8	947.7	777.7	605.0	421.1	278.4	225.6	205.2	197.3	195.3	194.3
22.5°	992.1	900.0	706.2	495.6	302.5	214.9	193.8	185.4	184.1	185.9	185.9
25°	962.6	857.4	629.1	381.2	222.1	180.9	173.5	171.5	176.2	182.6	183.9
27.5°	940.5	822.4	546.9	281.4	176.9	157.3	157.1	160.3	172.0	184.4	186.9
30°	925.3	789.1	459.1	203.0	148.4	138.5	142.4	149.4	166.5	184.1	188.8
32.5°	917.7	764.5	367.5	157.1	127.1	121.6	128.3	136.7	153.6	170.0	176.2
35°	923.6	746.4	281.2	131.0	112.2	107.9	114.9	123.1	133.0	140.0	144.7
37.5°	945.9	739.2	212.2	117.4	102.0	98.0	103.5	108.2	112.2	114.1	116.4
40°	994.1	746.9	170.0	110.4	96.3	91.3	93.6	95.3	97.8	99.8	100.7
42.5°	1065.1	770.0	152.4	107.7	93.3	86.1	85.6	86.4	89.6	93.3	94.0
45°	1164.3	810.7	151.1	109.4	91.8	81.9	79.7	80.6	85.6	91.3	92.3
47.5°	1291.1	872.7	161.0	114.6	93.1	79.7	75.9	77.2	83.4	91.1	92.3
50°	1444.7	959.3	177.7	122.3	98.5	80.2	74.7	75.4	81.9	90.3	91.6
52.5°	1626.1	1082.2	195.8	129.8	104.2	83.4	75.7	73.9	79.9	87.3	88.8
55°	1827.9	1239.8	214.4	136.5	107.2	87.3	77.7	72.0	76.2	82.4	83.6
57.5°	2075.5	1460.1	246.7	142.9	109.2	90.1	79.7	70.0	71.5	75.9	76.9
60°	2410.8	1771.8	303.5	153.6	113.7	91.1	79.4	68.2	66.8	69.2	69.7
62.5°	2812.5	2110.3	350.9	167.0	121.1	91.8	77.9	67.0	62.8	62.8	63.3
65°	3051.0	2200.8	324.6	178.2	127.3	91.1	76.2	65.8	59.8	57.1	57.3
67.5°	2848.7	1935.6	278.2	180.4	127.1	87.6	73.5	63.5	56.8	52.6	52.4
69°	2595.4	1670.0	257.3	174.4	121.1	83.1	70.0	61.0	54.6	50.1	49.9
70°	2391.2	1508.0	243.7	168.0	114.6	79.9	67.2	58.8	52.9	48.6	48.1
72.5°	1738.5	988.1	208.2	144.4	94.5	67.0	58.1	51.6	47.1	44.7	44.2
75°	868.8	471.2	169.0	117.1	72.5	53.6	47.6	43.2	40.9	40.4	40.2
77.5°	285.4	215.9	120.8	87.3	53.8	41.9	38.5	35.2	34.7	36.2	35.7
80°	156.8	125.6	76.7	57.8	36.7	30.8	30.3	28.5	29.3	31.8	31.3
82.5°	79.9	65.3	47.4	34.7	24.8	22.1	24.1	23.1	24.1	26.3	26.1
85°	39.5	35.7	30.0	21.1	16.4	14.1	17.1	17.9	18.4	20.1	20.1
87.5°	22.8	21.1	15.9	9.9	8.2	7.4	9.9	9.7	11.4	12.4	12.2
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)