

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: P200613

Luminaire Tested: **GAW-AF-01-LED-E1-SL3-8030-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P200613
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-SL3-8030-800
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 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: 4192 lumens
Efficiency: N/A
Efficacy: 95.3 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 - G1

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



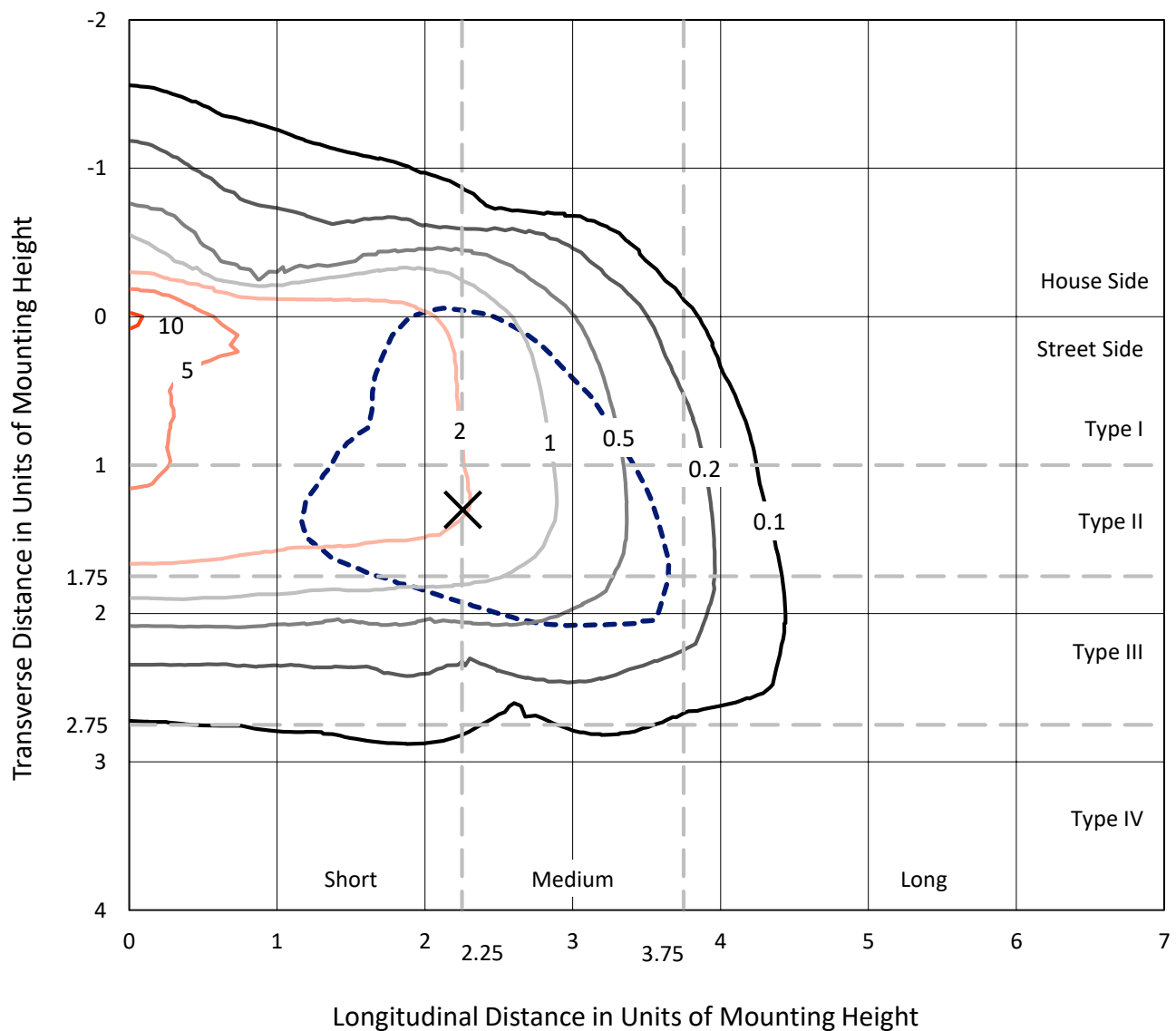
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Iso-Footcandle Lines of Horizontal Illumination

✗ Max cd

--- 1/2 Max cd

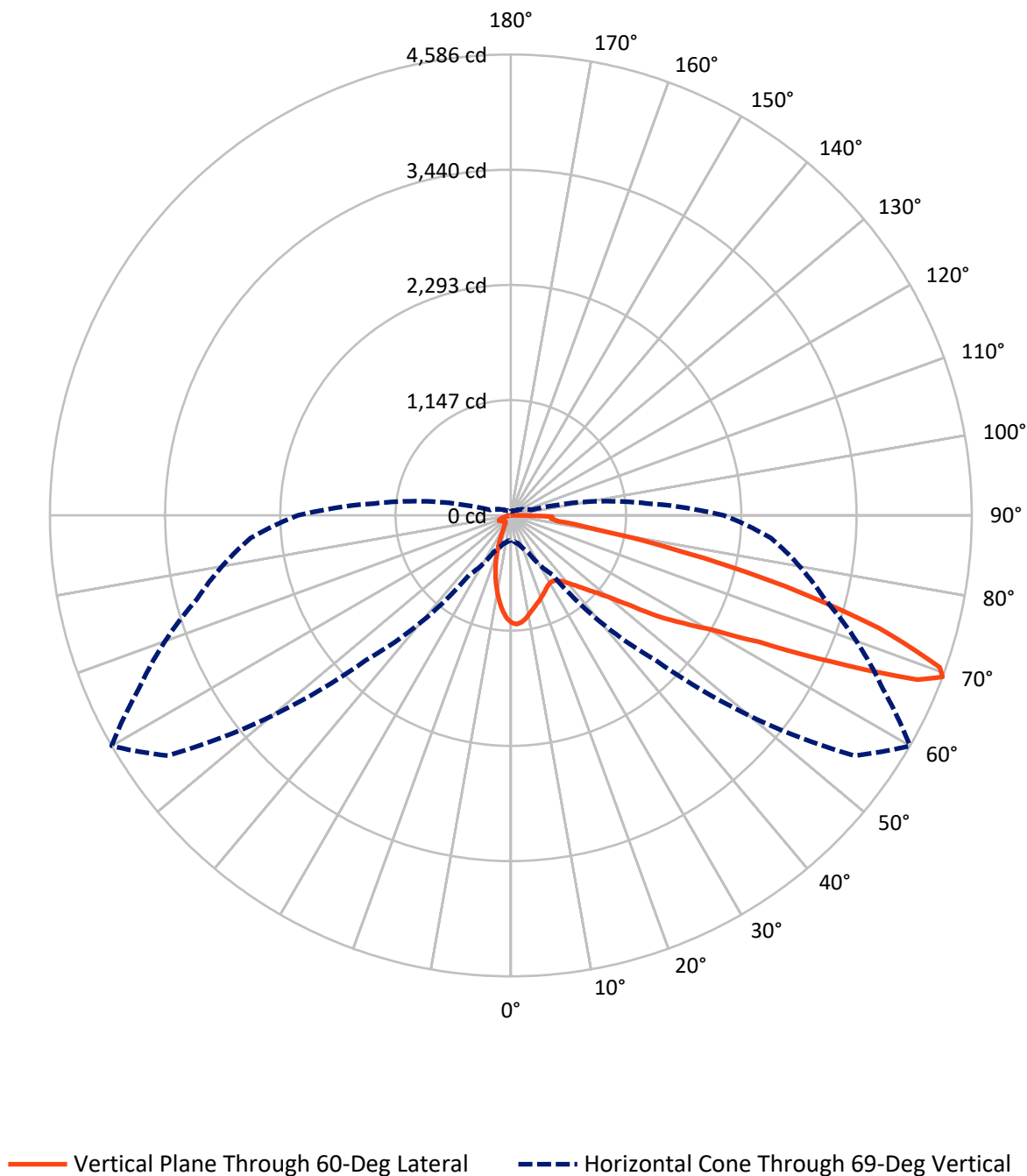


Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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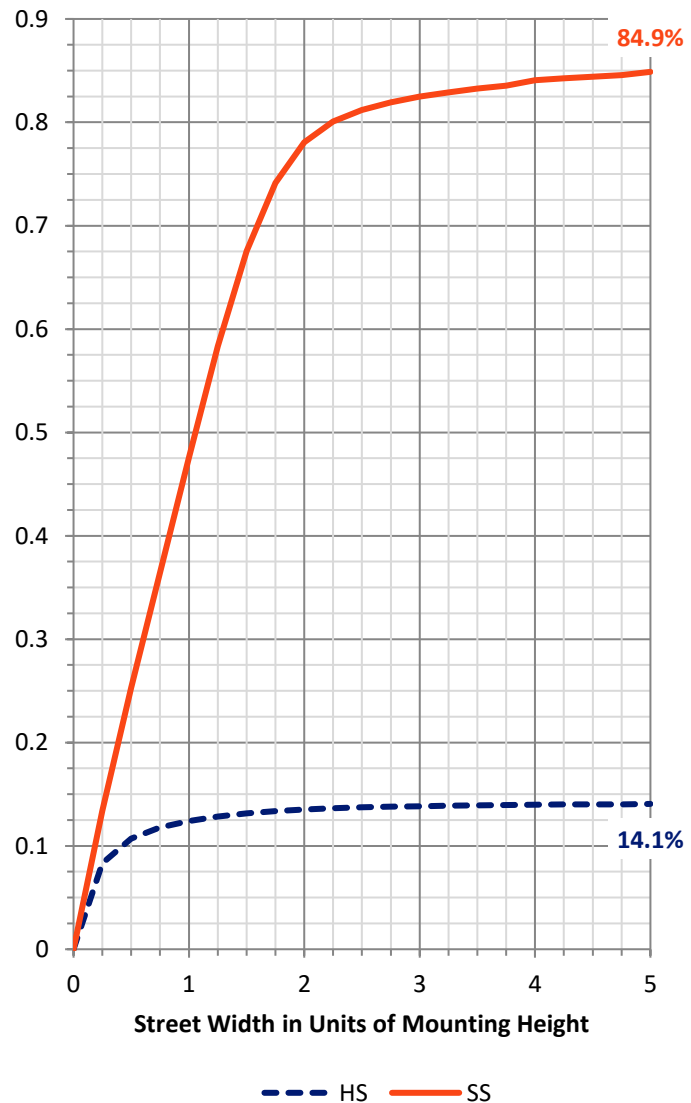
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	596.4	0.0	596.4
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	3595.6	0.0	3595.6
	% Fixture	85.8	0.0	85.8
Total	Lumens	4192.0	0.0	4192.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	2.2
10°-20°	192.4	4.6
20°-30°	245.2	5.8
30°-40°	337.1	8.0
40°-50°	546.9	13.0
50°-60°	877.1	20.9
60°-70°	1167.4	27.8
70°-80°	630.3	15.0
80°-90°	105.2	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°	4192.0	100.0
0°-180°	4192.0	100.0

Coefficient of Utilization



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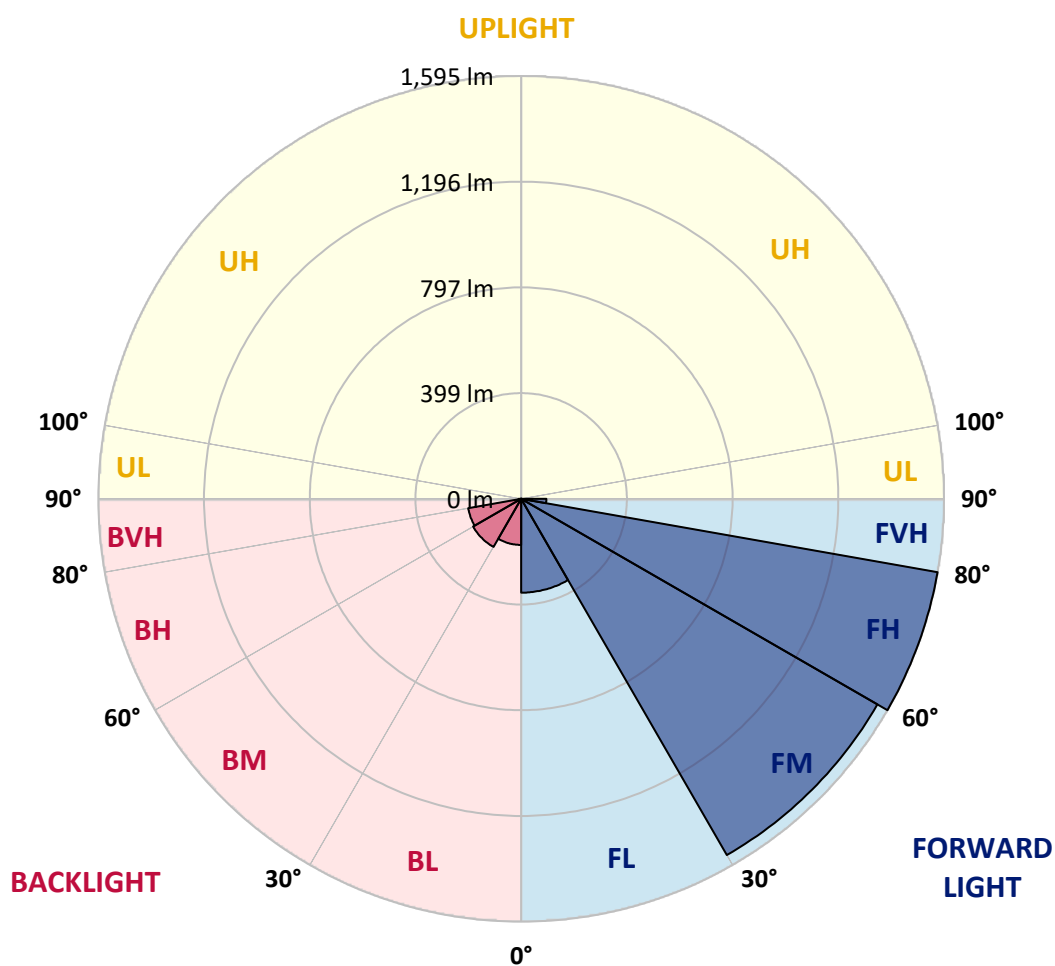
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	354.0	8.4			
FM	(30°-60°)	1551.6	37.0			
FH	(60°-80°)	1595.0	38.0			G1/1800
FVH	(80°-90°)	95.0	2.3			G1/100
BL	(0°-30°)	174.0	4.2	B1/500		
BM	(30°-60°)	209.5	5.0	B0/220		
BH	(60°-80°)	202.8	4.8	B1/500		G1/500
BVH	(80°-90°)	10.1	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-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1068.2	1068.2	1068.2	1068.2	1068.2	1068.2	1068.2	1068.2	1068.2	1068.2	1068.2
2.5°	1090.1	1092.5	1091.5	1090.9	1092.7	1089.9	1084.0	1082.2	1079.3	1072.6	1061.3
5°	1049.2	1056.4	1056.0	1061.5	1070.6	1073.0	1070.4	1070.8	1065.6	1057.3	1038.4
7.5°	978.5	981.5	983.1	995.1	1011.7	1025.1	1036.4	1040.0	1037.6	1030.5	1006.2
10°	905.6	908.0	911.9	925.8	946.9	965.3	986.8	999.1	1004.4	1003.2	976.0
12.5°	843.0	845.4	850.5	866.3	891.4	914.1	945.3	960.7	973.2	980.7	951.5
15°	786.9	792.2	797.0	815.3	843.4	873.2	908.4	927.9	947.3	964.1	929.9
17.5°	743.2	748.4	751.3	767.9	797.8	834.3	875.6	898.5	922.8	950.3	908.4
20°	717.9	720.3	719.1	728.4	755.3	794.0	843.0	869.5	898.9	937.4	886.9
22.5°	710.8	711.0	706.5	705.5	722.9	755.5	808.2	840.4	876.4	928.9	868.5
25°	728.0	727.4	715.2	705.3	707.1	726.2	774.6	812.0	857.6	927.0	854.3
27.5°	766.3	768.1	750.1	731.4	713.0	712.4	749.0	788.5	842.2	935.3	848.3
30°	819.9	823.0	803.7	780.0	745.4	716.8	739.1	774.6	832.7	952.6	847.3
32.5°	878.6	881.9	867.3	842.4	797.0	744.4	746.0	775.8	832.3	976.7	854.1
35°	941.2	944.9	937.4	916.3	865.9	795.2	772.3	795.4	845.4	1013.5	872.6
37.5°	1011.1	1016.8	1018.8	998.7	944.9	862.2	815.5	832.7	875.2	1064.7	906.4
40°	1111.7	1119.6	1119.0	1090.3	1035.4	952.8	882.1	886.5	921.6	1133.2	960.5
42.5°	1304.5	1306.1	1255.7	1193.1	1135.0	1047.9	960.7	957.0	985.6	1219.9	1040.0
45°	1549.7	1543.0	1430.9	1310.0	1239.1	1157.3	1062.9	1045.1	1066.8	1325.6	1139.7
47.5°	1753.2	1737.9	1596.1	1429.2	1349.3	1276.2	1183.0	1151.8	1163.8	1445.4	1268.5
50°	1823.9	1812.4	1694.9	1528.5	1453.5	1421.1	1330.8	1286.7	1289.9	1588.4	1419.3
52.5°	1808.7	1807.1	1728.7	1593.9	1551.1	1573.4	1540.2	1480.5	1448.9	1747.2	1582.1
55°	1772.9	1776.3	1748.0	1670.0	1662.7	1720.4	1813.8	1769.6	1671.4	1907.3	1750.4
57.5°	1648.3	1657.3	1719.6	1765.8	1842.3	1928.2	2034.1	2021.6	1911.0	2080.5	1950.5
60°	1328.0	1348.6	1515.9	1747.2	2027.2	2295.7	2343.1	2314.0	2158.0	2295.3	2214.7
62.5°	930.5	952.0	1150.8	1512.7	1996.8	2710.9	2895.5	2769.8	2512.8	2611.8	2556.8
65°	498.1	508.5	660.4	1049.6	1685.8	2796.5	3702.9	3511.5	3074.6	3002.1	2849.4
67.5°	274.8	280.5	338.6	529.9	1079.7	2462.6	4217.3	4361.8	3776.6	3261.9	2796.1
69°	248.5	253.7	291.8	401.4	722.5	2036.1	4167.0	4586.0	4084.4	3236.1	2599.3
70°	243.0	247.9	282.1	370.0	584.8	1678.3	3998.8	4528.7	4157.7	3144.0	2427.6
72.5°	218.7	224.0	257.2	332.3	499.8	836.7	3167.5	3829.1	3774.8	2726.0	1841.3
75°	203.9	208.8	265.1	325.4	478.5	529.5	2088.2	2822.0	2774.9	1906.9	992.9
77.5°	87.3	86.9	122.9	275.4	485.6	512.7	1122.1	1763.0	1608.5	815.1	285.1
80°	58.3	57.3	58.3	81.0	445.3	515.6	587.9	894.8	675.9	207.8	140.5
82.5°	50.2	49.4	51.2	49.4	156.5	588.5	499.8	475.9	321.4	118.1	69.7
85°	33.8	32.4	44.1	44.3	73.9	522.9	562.9	402.0	260.0	70.1	34.4
87.5°	16.2	15.8	25.7	31.4	43.3	212.4	631.6	411.9	262.2	35.8	16.4
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°	1068.2	1068.2	1068.2	1068.2	1068.2	1068.2	1068.2	1068.2	1068.2	1068.2	1068.2
2.5°	1057.9	1049.6	1041.5	1031.7	1021.6	1010.3	1004.6	998.9	997.5	995.9	990.2
5°	1028.7	1017.0	996.7	974.4	950.9	928.1	910.6	899.7	891.4	887.2	879.7
7.5°	991.0	973.8	938.4	899.9	860.4	824.4	793.2	773.5	754.9	746.2	736.3
10°	955.2	929.5	874.4	817.7	761.0	706.5	655.3	619.0	586.8	568.8	556.1
12.5°	924.4	889.2	812.8	736.1	658.3	580.8	504.0	443.7	393.3	366.7	353.2
15°	894.4	851.9	754.3	656.9	557.1	451.6	350.7	282.3	240.6	224.0	218.3
17.5°	867.3	812.8	695.6	577.1	452.6	325.0	235.7	198.0	182.0	176.6	174.8
20°	837.9	773.3	634.6	493.7	343.6	227.2	184.1	167.5	161.0	159.4	158.6
22.5°	809.6	734.5	576.3	404.4	246.8	175.4	158.2	151.3	150.3	151.7	151.7
25°	785.5	699.6	513.3	311.0	181.2	147.6	141.5	139.9	143.8	149.0	150.1
27.5°	767.5	671.1	446.3	229.6	144.4	128.4	128.2	130.8	140.3	150.5	152.5
30°	755.1	643.9	374.6	165.6	121.1	113.0	116.2	121.9	135.9	150.3	154.1
32.5°	748.8	623.9	299.9	128.2	103.7	99.2	104.7	111.6	125.3	138.7	143.8
35°	753.7	609.1	229.4	106.9	91.5	88.1	93.8	100.4	108.5	114.2	118.1
37.5°	771.9	603.2	173.1	95.8	83.2	80.0	84.4	88.3	91.5	93.1	95.0
40°	811.2	609.5	138.7	90.1	78.6	74.5	76.3	77.8	79.8	81.4	82.2
42.5°	869.1	628.4	124.3	87.9	76.1	70.3	69.9	70.5	73.1	76.1	76.7
45°	950.1	661.6	123.3	89.3	74.9	66.8	65.0	65.8	69.9	74.5	75.3
47.5°	1053.6	712.2	131.4	93.6	75.9	65.0	62.0	63.0	68.0	74.3	75.3
50°	1179.0	782.9	145.0	99.8	80.4	65.4	61.0	61.6	66.8	73.7	74.7
52.5°	1327.0	883.1	159.8	105.9	85.0	68.0	61.8	60.3	65.2	71.3	72.5
55°	1491.6	1011.7	175.0	111.4	87.5	71.3	63.4	58.7	62.2	67.2	68.2
57.5°	1693.7	1191.5	201.3	116.6	89.1	73.5	65.0	57.1	58.3	62.0	62.8
60°	1967.3	1445.8	247.7	125.3	92.7	74.3	64.8	55.7	54.5	56.5	56.9
62.5°	2295.1	1722.1	286.3	136.3	98.8	74.9	63.6	54.7	51.2	51.2	51.6
65°	2489.7	1796.0	264.9	145.4	103.9	74.3	62.2	53.7	48.8	46.6	46.8
67.5°	2324.7	1579.5	227.0	147.2	103.7	71.5	59.9	51.8	46.4	42.9	42.7
69°	2117.9	1362.8	210.0	142.4	98.8	67.8	57.1	49.8	44.5	40.9	40.7
70°	1951.3	1230.6	198.9	137.1	93.6	65.2	54.9	48.0	43.1	39.7	39.3
72.5°	1418.7	806.4	169.9	117.9	77.2	54.7	47.4	42.1	38.5	36.4	36.0
75°	709.0	384.5	137.9	95.6	59.1	43.7	38.9	35.2	33.4	33.0	32.8
77.5°	232.9	176.2	98.6	71.3	43.9	34.2	31.4	28.8	28.3	29.6	29.2
80°	128.0	102.5	62.6	47.2	30.0	25.1	24.7	23.3	23.9	25.9	25.5
82.5°	65.2	53.3	38.7	28.3	20.2	18.0	19.6	18.8	19.6	21.5	21.3
85°	32.2	29.2	24.5	17.2	13.4	11.5	14.0	14.6	15.0	16.4	16.4
87.5°	18.6	17.2	13.0	8.1	6.7	6.1	8.1	7.9	9.3	10.1	9.9
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)