

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: P199985

Luminaire Tested: **GAP-AF-01-LED-U-SL4-7030-1200-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P199985
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24301)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAP-AF-01-LED-U-SL4-7030-1200-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5473.9 lumens
Efficiency: N/A
Efficacy: 81.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G2

Input Watts (W): 67
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



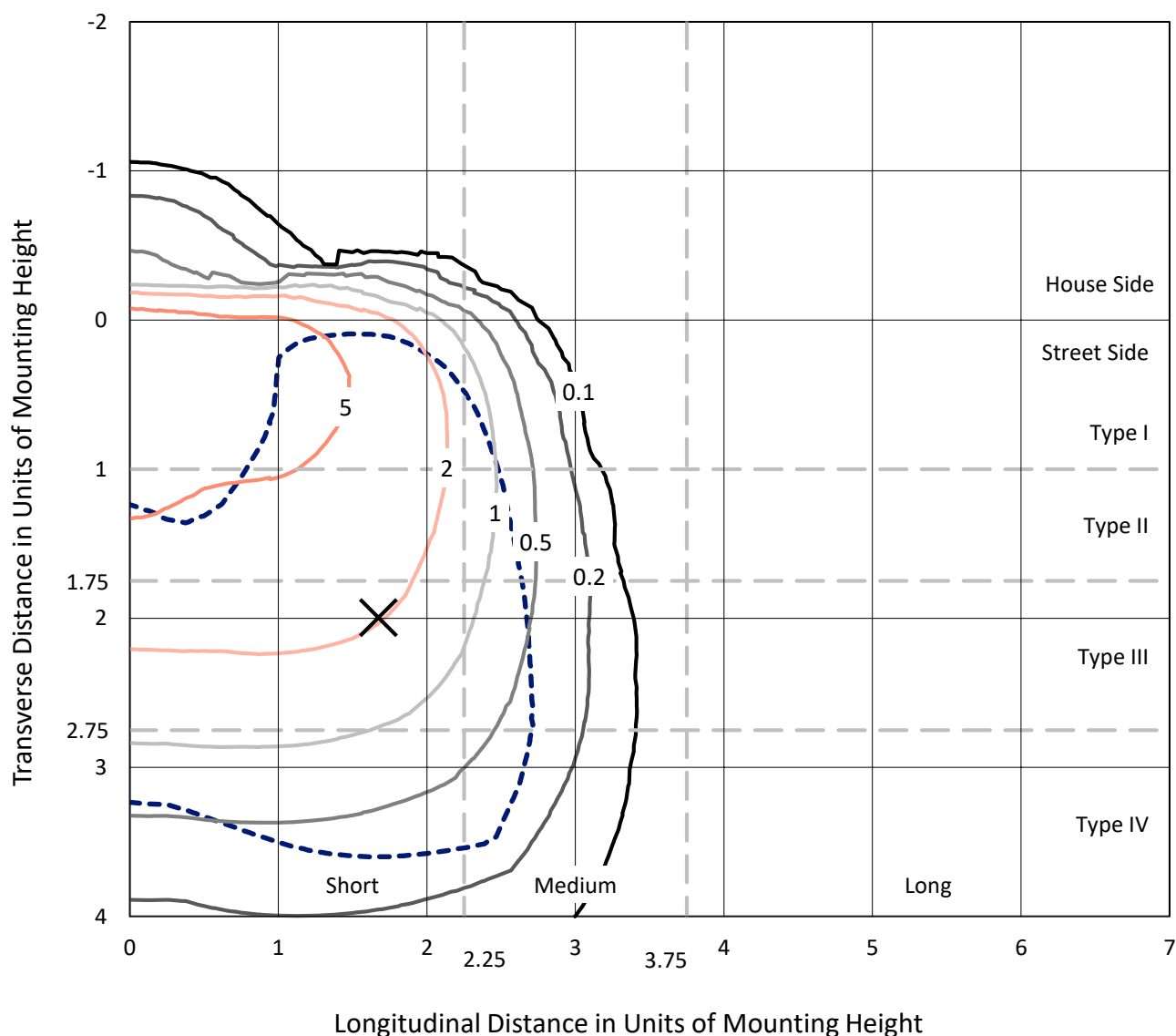
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

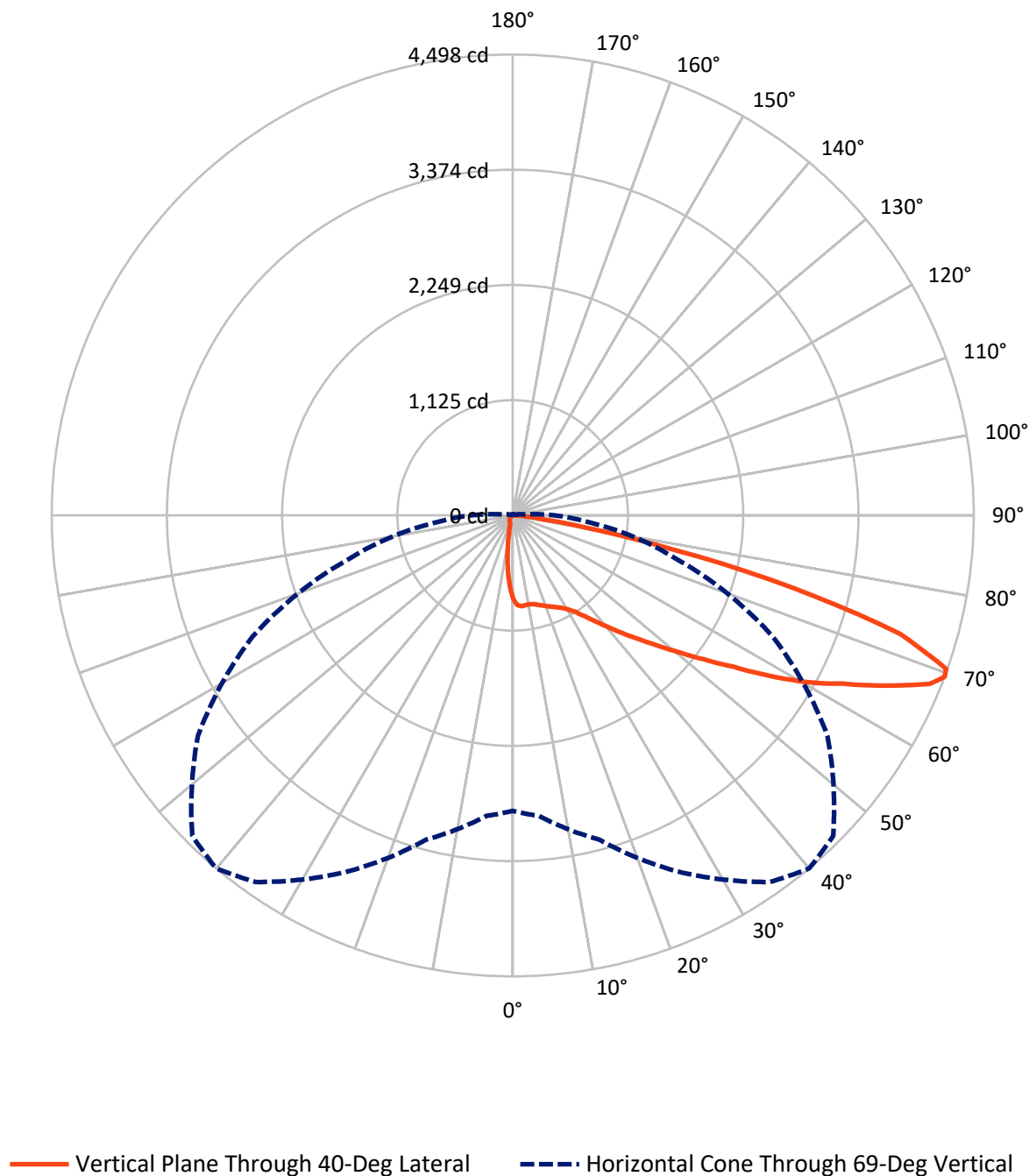


Based on 10 foot mounting height. Maximum calculated value = 8.9 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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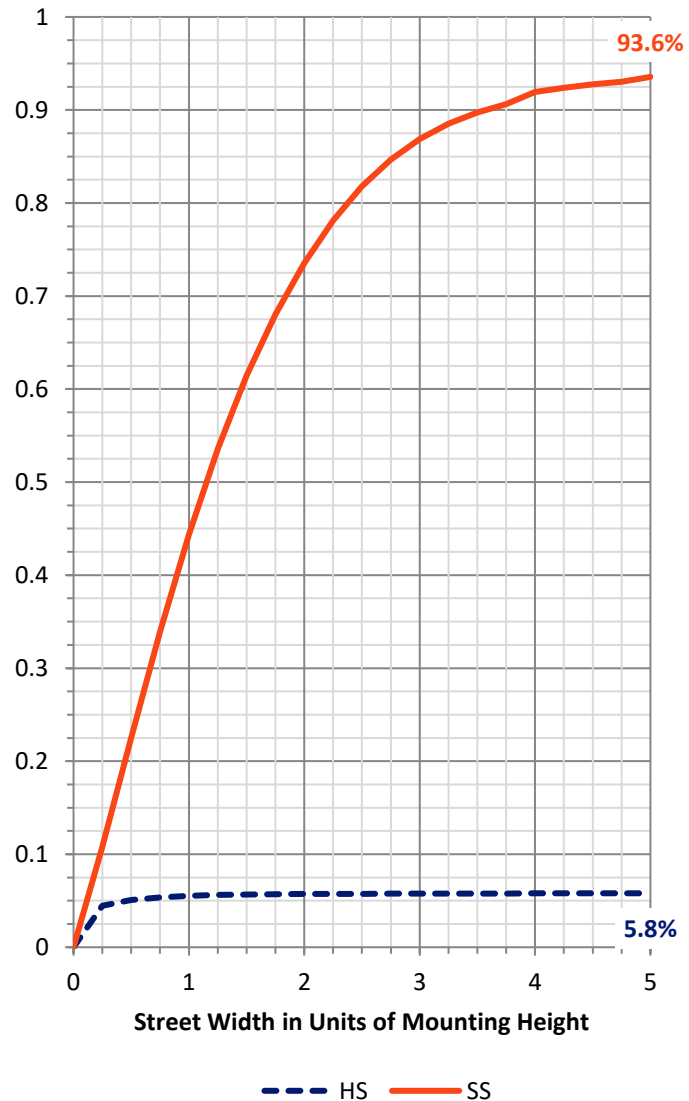
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	320.3	0.0	320.3
	% Fixture	5.9	0.0	5.9
Street Side	Lumens	5153.6	0.0	5153.6
	% Fixture	94.1	0.0	94.1
Total	Lumens	5473.9	0.0	5473.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.3	1.2
10°-20°	163.1	3.0
20°-30°	274.7	5.0
30°-40°	449.6	8.2
40°-50°	778.5	14.2
50°-60°	1226.2	22.4
60°-70°	1601.4	29.3
70°-80°	824.8	15.1
80°-90°	89.2	1.6
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°	5473.9	100.0
0°-180°	5473.9	100.0



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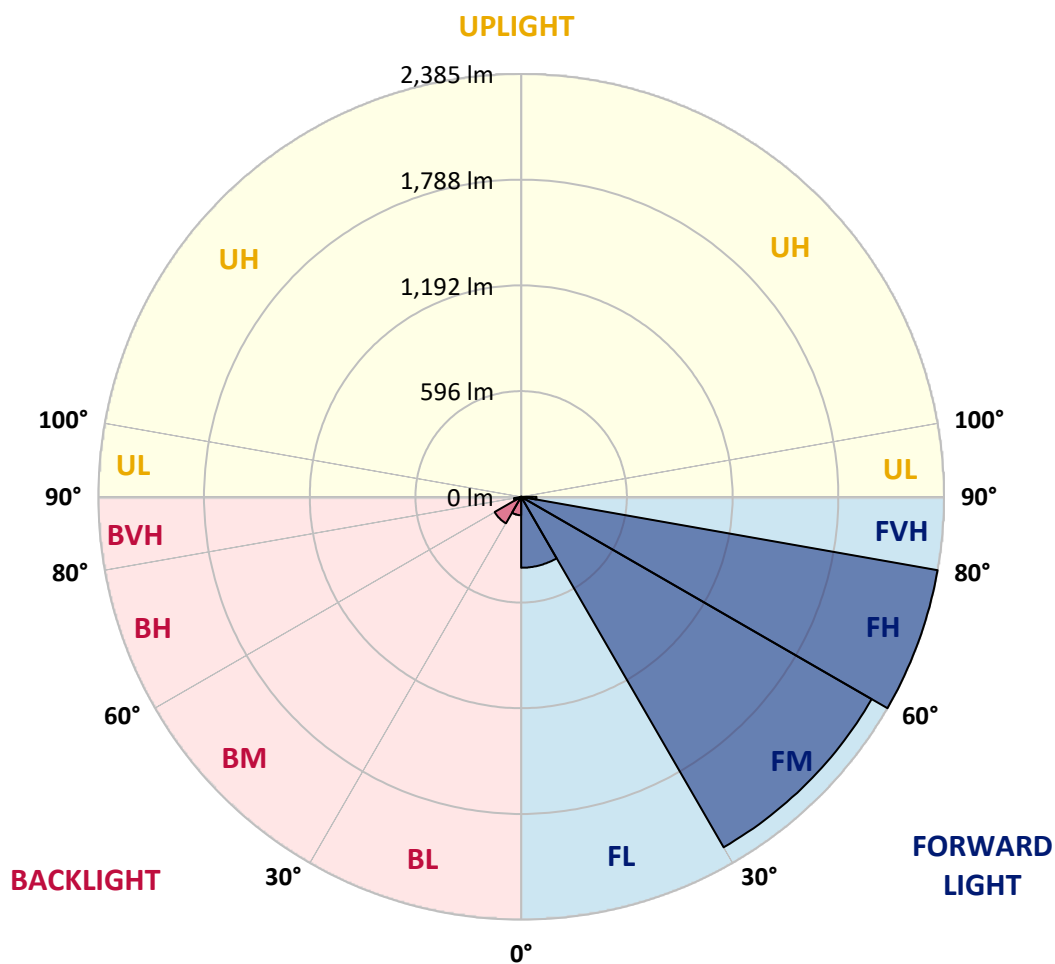
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	400.3	7.3			
FM	(30°-60°)	2282.3	41.7			
FH	(60°-80°)	2384.6	43.6			G2/5000
FVH	(80°-90°)	86.4	1.6			G1/100
BL	(0°-30°)	103.7	1.9	B0/110		
BM	(30°-60°)	172.1	3.1	B0/220		
BH	(60°-80°)	41.6	0.8	B0/110		G0/110
BVH	(80°-90°)	2.8	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	817.8	817.8	817.8	817.8	817.8	817.8	817.8	817.8	817.8	817.8	817.8
2.5°	898.0	893.0	890.1	886.2	881.4	877.2	875.5	863.4	852.0	836.4	818.5
5°	914.6	913.0	907.7	902.6	896.7	890.1	886.5	872.2	855.9	833.1	801.9
7.5°	916.2	914.3	907.7	900.7	892.4	884.7	878.5	864.1	849.1	826.0	787.9
10°	913.6	911.3	906.5	898.6	888.5	881.0	874.8	861.2	848.5	827.6	785.2
12.5°	910.6	908.4	906.1	902.3	893.4	888.2	883.1	869.9	858.6	841.0	794.7
15°	913.6	912.4	914.9	913.3	908.4	903.8	898.6	886.8	876.5	861.8	812.1
17.5°	926.0	926.0	934.1	935.1	930.6	924.0	916.5	904.7	896.0	883.7	832.4
20°	955.0	954.1	964.4	966.4	955.4	945.2	934.1	919.9	913.0	905.1	852.7
22.5°	1004.8	1000.3	1006.5	1004.5	982.7	967.1	953.4	935.8	932.2	928.6	875.1
25°	1069.6	1067.1	1071.3	1052.0	1013.6	992.5	976.2	956.3	956.3	959.9	900.7
27.5°	1163.8	1154.1	1139.8	1105.8	1048.3	1021.1	1003.5	982.4	987.9	1001.3	934.1
30°	1260.3	1249.6	1216.6	1164.4	1090.2	1061.9	1041.4	1019.2	1032.2	1056.6	979.1
32.5°	1355.5	1343.4	1296.8	1231.1	1150.5	1122.2	1102.3	1077.9	1099.7	1140.7	1044.9
35°	1447.6	1436.9	1383.1	1305.5	1230.7	1207.2	1189.0	1167.8	1195.8	1253.1	1137.8
37.5°	1551.3	1539.6	1474.0	1390.0	1328.0	1311.1	1297.8	1276.5	1325.5	1409.6	1267.2
40°	1678.7	1658.8	1570.5	1486.8	1440.8	1432.7	1423.5	1420.6	1496.6	1612.8	1439.5
42.5°	1824.6	1792.1	1671.4	1588.7	1564.6	1570.5	1568.2	1581.2	1710.6	1865.7	1649.4
45°	1970.6	1928.5	1783.8	1697.6	1700.8	1721.4	1734.1	1786.2	1978.8	2155.6	1875.1
47.5°	2094.4	2053.1	1891.8	1815.3	1854.2	1894.7	1929.2	2028.0	2254.3	2441.1	2050.8
50°	2200.3	2161.2	2006.1	1944.5	2032.5	2097.7	2153.7	2300.0	2550.8	2658.4	2173.9
52.5°	2287.1	2260.9	2124.8	2092.8	2236.1	2331.6	2413.7	2589.0	2813.5	2835.1	2269.8
55°	2371.4	2352.8	2252.2	2269.1	2475.3	2605.3	2709.3	2895.6	3039.6	2982.3	2361.6
57.5°	2468.5	2451.6	2397.4	2492.5	2789.7	2953.3	3066.7	3167.3	3238.8	3132.8	2448.3
60°	2567.5	2557.8	2559.1	2740.9	3150.7	3307.9	3370.3	3396.5	3434.2	3274.6	2453.2
62.5°	2662.0	2680.5	2743.8	3017.2	3496.4	3617.0	3648.6	3674.4	3630.0	3297.0	2266.5
65°	2821.9	2852.3	3003.1	3386.9	3876.7	4005.8	4038.3	3950.0	3661.0	3006.4	1843.5
67.5°	2900.2	2955.6	3224.7	3731.7	4245.5	4389.0	4376.8	3968.0	3285.3	2292.5	1183.1
69°	2883.9	2942.9	3275.9	3837.3	4368.0	4498.1	4421.5	3748.6	2798.9	1660.7	726.2
70°	2819.4	2879.0	3249.5	3833.4	4383.7	4486.6	4338.6	3477.8	2366.4	1214.3	454.2
72.5°	2354.4	2405.9	2884.9	3464.8	4038.3	3954.5	3629.7	2409.5	1153.1	330.7	102.2
75°	1449.4	1478.0	2070.0	2610.2	3050.1	2835.1	2418.4	1198.7	343.7	93.5	56.7
77.5°	765.7	778.7	1133.2	1538.6	1933.5	1599.8	1239.4	467.5	158.3	58.7	41.1
80°	452.6	462.3	610.3	703.4	836.7	698.9	495.6	287.1	113.4	36.8	36.5
82.5°	259.1	265.2	442.5	391.0	329.8	281.6	246.6	272.0	68.1	24.8	37.8
85°	95.2	96.4	248.9	297.5	196.1	116.7	122.5	225.5	18.2	15.7	29.6
87.5°	44.4	43.3	128.1	182.1	114.7	74.0	95.5	49.5	7.2	10.1	8.2
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°	817.8	817.8	817.8	817.8	817.8	817.8	817.8	817.8	817.8	817.8	817.8
2.5°	808.1	796.0	774.2	751.7	728.9	711.3	694.1	680.3	675.8	667.2	667.9
5°	783.3	761.1	715.5	669.2	621.0	581.3	543.8	513.5	498.9	483.8	483.8
7.5°	761.7	729.6	658.2	582.9	505.0	439.6	380.6	336.3	311.8	292.3	291.9
10°	753.7	709.9	610.3	502.4	393.9	304.7	234.6	189.7	166.5	151.6	150.9
12.5°	757.2	703.1	573.5	428.2	291.9	195.8	135.9	106.8	97.1	92.6	92.6
15°	767.6	701.2	536.7	355.5	206.3	122.5	90.2	82.4	81.8	81.8	81.8
17.5°	780.3	701.9	498.9	284.7	140.4	87.6	77.9	76.9	77.6	77.6	77.6
20°	793.4	702.2	458.2	219.3	99.1	76.3	73.3	72.9	73.6	73.6	74.0
22.5°	809.4	703.7	417.4	163.9	81.8	72.0	69.7	69.7	70.0	70.0	69.7
25°	827.6	707.0	375.0	121.5	74.7	69.1	67.0	66.7	67.0	66.7	66.4
27.5°	850.4	711.6	327.8	95.2	71.3	66.1	64.5	64.5	64.1	63.9	63.6
30°	879.1	716.8	274.7	80.9	68.1	63.6	62.0	61.6	61.3	60.6	60.6
32.5°	922.7	728.2	222.3	73.3	64.5	60.0	58.7	58.7	58.0	57.4	57.1
35°	989.9	750.7	175.3	68.8	60.6	56.0	54.4	54.4	53.7	53.4	53.1
37.5°	1082.8	784.9	136.2	64.5	56.7	51.8	50.1	49.8	49.1	48.5	48.2
40°	1206.2	827.3	107.2	60.6	52.8	47.5	46.2	45.7	44.4	43.3	43.3
42.5°	1361.3	875.5	87.0	56.4	48.2	43.7	42.7	41.7	39.5	38.5	38.1
45°	1523.6	918.9	73.6	51.5	43.7	39.8	39.2	37.4	34.5	33.6	33.6
47.5°	1640.5	928.9	64.8	46.9	39.5	35.5	35.2	32.2	29.6	29.0	28.6
50°	1713.5	909.0	57.7	42.4	35.5	31.5	30.6	27.1	25.4	24.8	24.5
52.5°	1762.7	873.5	51.8	38.5	31.9	28.0	25.7	23.2	21.9	21.2	21.2
55°	1802.1	823.4	45.9	34.9	29.0	25.1	21.9	19.8	18.6	17.9	17.9
57.5°	1813.2	755.3	40.1	31.9	26.1	22.2	18.6	17.3	15.7	15.3	15.3
60°	1732.8	632.4	35.5	28.3	23.5	19.2	16.3	14.6	13.0	12.7	12.3
62.5°	1520.7	489.4	31.2	25.1	20.5	16.6	13.9	12.0	10.7	10.7	10.7
65°	1159.9	328.1	27.5	21.9	17.9	13.9	12.0	9.8	9.2	9.2	9.4
67.5°	694.4	178.5	23.5	18.6	15.3	11.7	10.1	8.5	8.2	8.5	8.5
69°	407.0	104.9	21.2	16.6	13.3	10.4	8.8	7.5	8.2	8.5	8.5
70°	251.2	70.7	19.5	15.0	12.0	9.4	8.2	7.2	7.8	8.2	8.2
72.5°	70.0	36.5	15.7	11.7	9.8	7.8	6.5	6.5	7.5	7.8	7.8
75°	45.7	27.1	12.0	8.8	7.5	6.2	5.6	6.2	7.2	7.5	7.5
77.5°	37.8	22.2	9.8	7.2	6.2	5.9	5.3	5.6	6.5	6.9	6.9
80°	34.5	15.7	7.8	6.5	5.6	5.3	4.9	4.6	5.9	6.2	6.2
82.5°	32.9	12.3	6.9	5.9	5.3	4.6	4.3	4.6	5.3	5.6	5.9
85°	20.5	8.2	6.2	5.6	4.6	4.3	4.3	4.3	4.9	5.3	5.3
87.5°	7.5	6.5	5.6	4.6	4.0	4.0	4.0	4.0	4.3	4.9	4.9
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)