

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: P269808

Luminaire Tested: **GAP-AF-01-LED-U-SL4-7027-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P269808
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-SL4-7027-HSS
Description: GALLEON PEDESTRIAN LUMINAIRE
(1) 70 CRI, 2700K, 1050mA 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: 4483.4 lumens
Efficiency: N/A
Efficacy: 76.0 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): 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: 28.75 FT



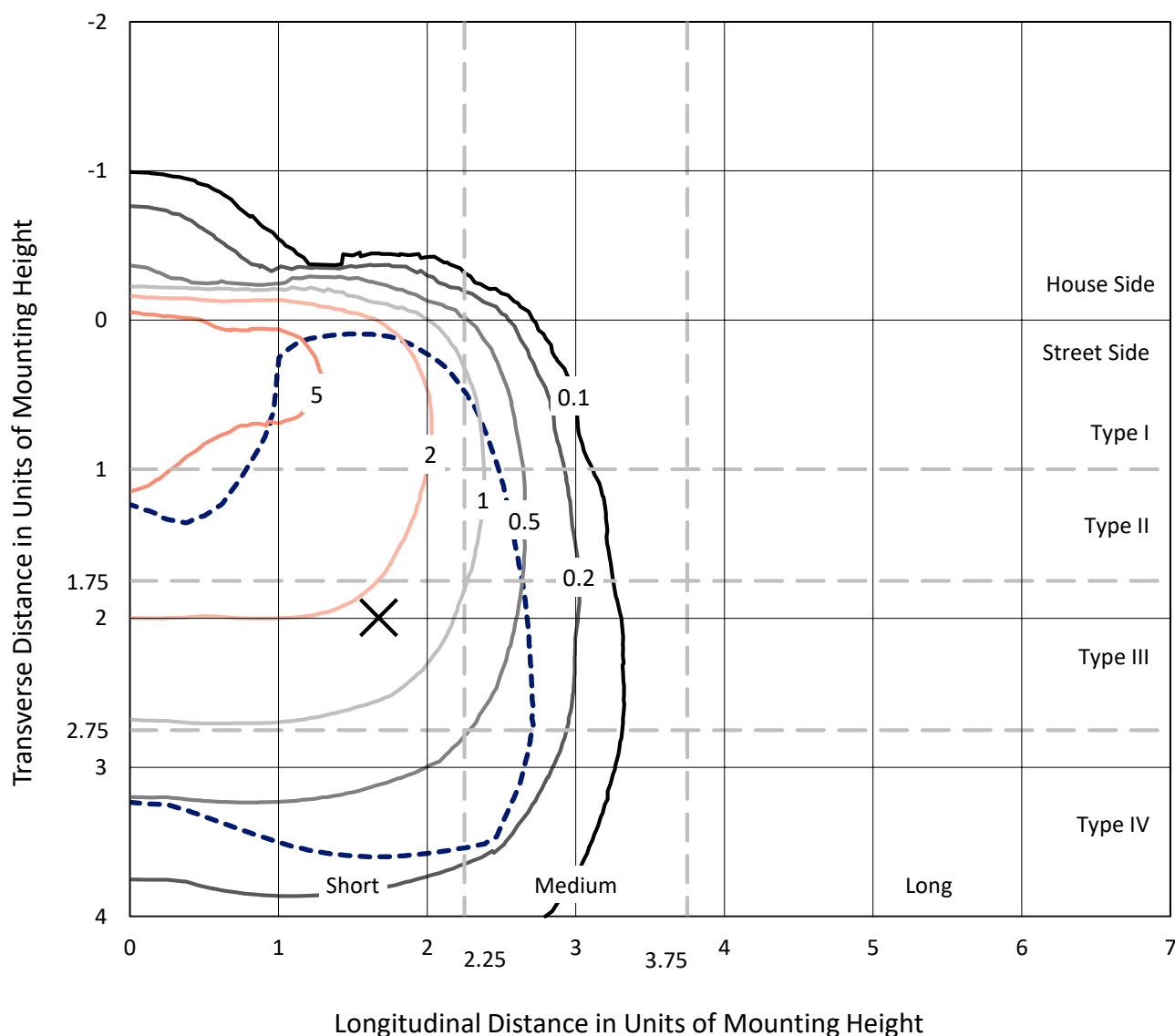
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

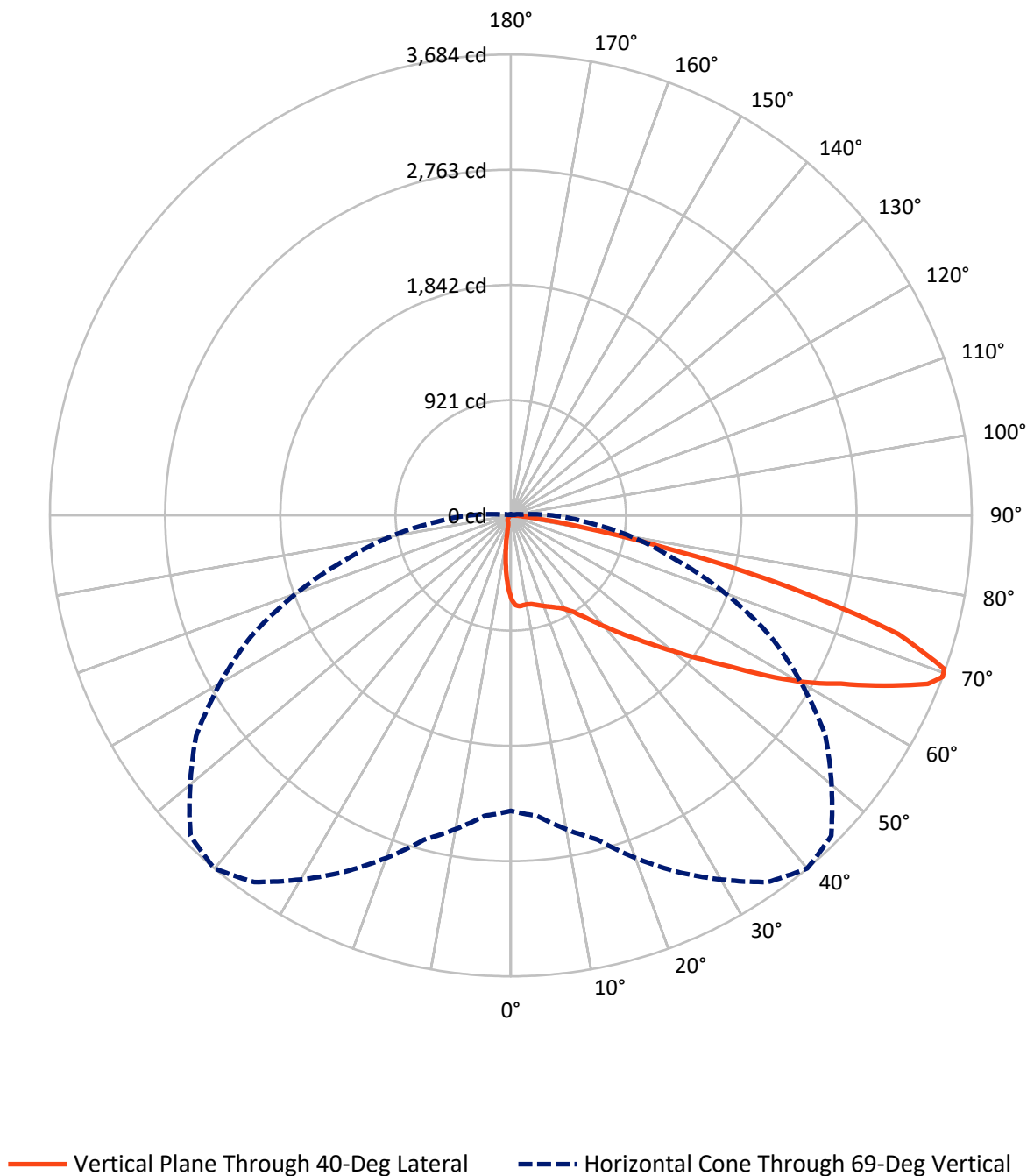


Based on 10 foot mounting height. Maximum calculated value = 7.3 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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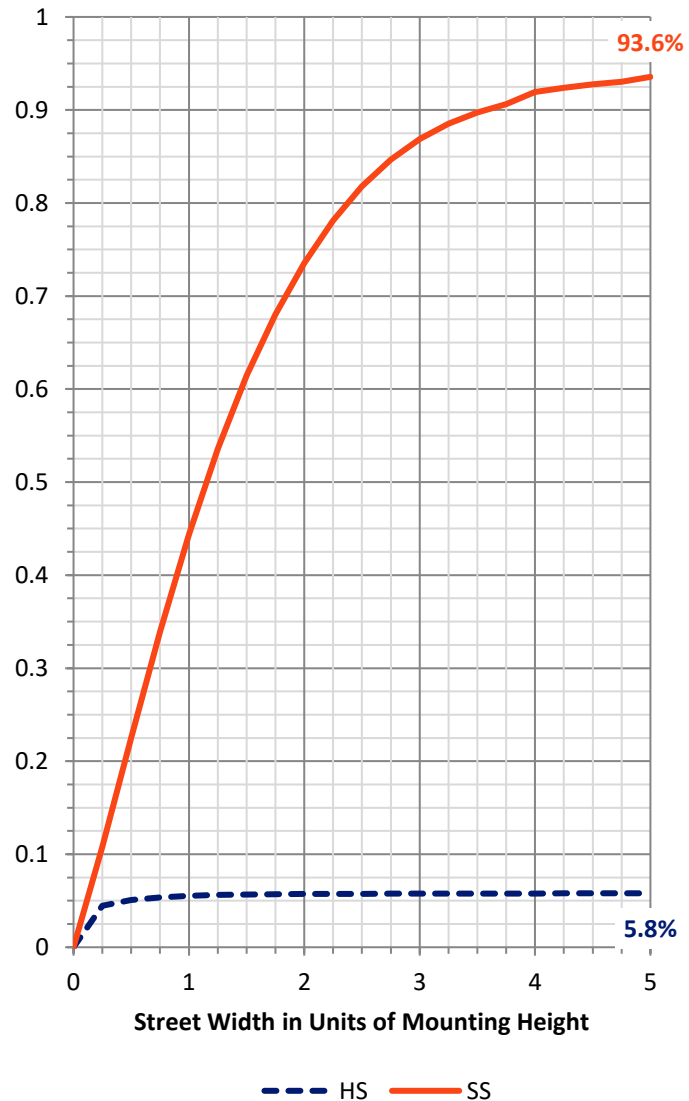
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	262.3	0.0	262.3
	% Fixture	5.9	0.0	5.9
Street Side	Lumens	4221.1	0.0	4221.1
	% Fixture	94.1	0.0	94.1
Total	Lumens	4483.4	0.0	4483.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	1.2
10°-20°	133.6	3.0
20°-30°	225.0	5.0
30°-40°	368.3	8.2
40°-50°	637.6	14.2
50°-60°	1004.4	22.4
60°-70°	1311.7	29.3
70°-80°	675.6	15.1
80°-90°	73.1	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°	4483.4	100.0
0°-180°	4483.4	100.0

Coefficient of Utilization



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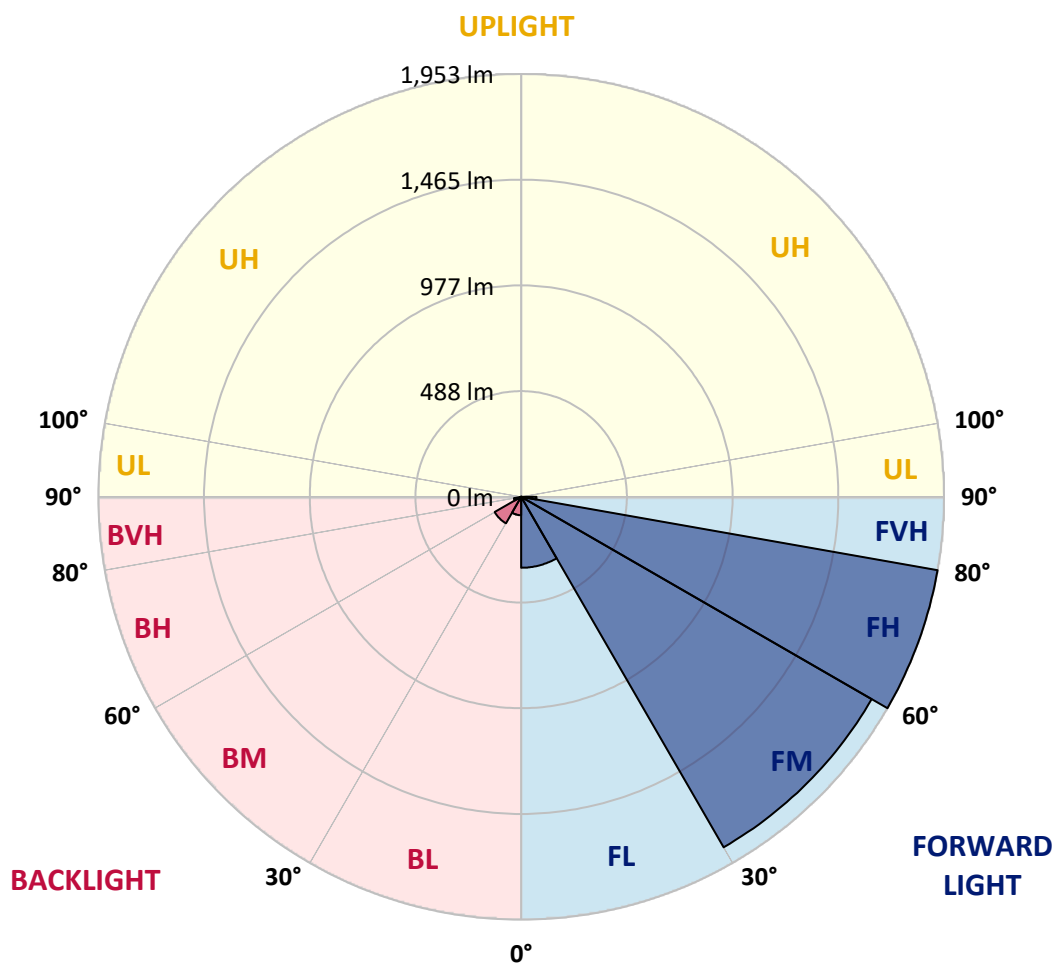
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	327.9	7.3			
FM	(30°-60°)	1869.3	41.7			
FH	(60°-80°)	1953.1	43.6			G2/5000
FVH	(80°-90°)	70.8	1.6			G1/100
BL	(0°-30°)	85.0	1.9	B0/110		
BM	(30°-60°)	141.0	3.1	B0/220		
BH	(60°-80°)	34.1	0.8	B0/110		G0/110
BVH	(80°-90°)	2.3	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°	669.9	669.9	669.9	669.9	669.9	669.9	669.9	669.9	669.9	669.9	669.9
2.5°	735.5	731.5	729.1	725.9	721.9	718.5	717.0	707.1	697.9	685.0	670.3
5°	749.0	747.7	743.4	739.2	734.5	729.1	726.2	714.4	701.0	682.4	656.8
7.5°	750.4	748.8	743.4	737.6	731.0	724.6	719.5	707.8	695.5	676.6	645.3
10°	748.3	746.4	742.4	736.0	727.7	721.6	716.6	705.3	694.8	677.9	643.1
12.5°	746.0	744.1	742.2	738.9	731.8	727.4	723.2	712.5	703.3	688.8	650.9
15°	748.3	747.2	749.4	748.1	744.1	740.4	736.0	726.4	717.8	705.9	665.0
17.5°	758.4	758.4	765.1	766.0	762.2	756.8	750.8	741.1	733.8	723.8	681.9
20°	782.2	781.3	789.9	791.5	782.5	774.2	765.1	753.4	747.7	741.5	698.4
22.5°	823.0	819.3	824.4	822.8	804.9	792.0	780.8	766.4	763.5	760.5	716.8
25°	876.1	874.1	877.5	861.7	830.3	812.8	799.5	783.2	783.2	786.1	737.6
27.5°	953.2	945.2	933.5	905.8	858.5	836.4	821.9	804.6	809.2	820.2	765.1
30°	1032.2	1023.4	996.5	953.8	892.9	869.6	852.9	834.7	845.5	865.4	801.9
32.5°	1110.1	1100.3	1062.2	1008.3	942.3	919.1	902.8	882.9	900.7	934.2	855.8
35°	1185.8	1176.9	1132.9	1069.3	1008.0	988.8	973.9	956.4	979.4	1026.4	931.9
37.5°	1270.6	1261.0	1207.3	1138.4	1087.8	1073.8	1063.0	1045.5	1085.6	1154.5	1037.8
40°	1374.9	1358.6	1286.4	1217.7	1180.2	1173.5	1166.0	1163.6	1225.7	1321.0	1179.0
42.5°	1494.5	1467.8	1369.0	1301.3	1281.5	1286.4	1284.4	1295.1	1401.0	1528.0	1351.0
45°	1614.1	1579.6	1461.2	1390.3	1393.0	1409.9	1420.3	1463.0	1620.7	1765.6	1535.8
47.5°	1715.5	1681.5	1549.4	1486.8	1518.8	1551.8	1580.2	1661.0	1846.5	1999.4	1679.7
50°	1802.2	1770.1	1643.1	1592.7	1664.6	1718.1	1764.0	1883.8	2089.3	2177.4	1780.6
52.5°	1873.1	1851.9	1740.2	1714.1	1831.6	1909.7	1977.0	2120.5	2304.4	2321.9	1859.0
55°	1942.2	1927.0	1844.6	1858.5	2027.5	2134.0	2219.1	2371.6	2489.7	2442.8	1934.3
57.5°	2021.8	2007.9	1963.7	2041.6	2285.0	2419.0	2511.8	2594.2	2652.7	2566.0	2005.2
60°	2102.9	2094.9	2095.9	2245.0	2580.7	2709.3	2760.5	2781.8	2812.9	2682.0	2009.2
62.5°	2180.4	2195.5	2247.3	2471.1	2863.7	2962.5	2988.4	3009.5	2973.2	2700.5	1856.3
65°	2311.3	2336.2	2459.7	2774.1	3175.1	3280.9	3307.6	3235.2	2998.5	2462.4	1510.0
67.5°	2375.4	2420.8	2641.1	3056.5	3477.2	3594.7	3584.9	3250.0	2690.9	1877.6	969.0
69°	2362.1	2410.4	2683.1	3142.9	3577.7	3684.2	3621.4	3070.3	2292.5	1360.3	594.9
70°	2309.3	2358.1	2661.5	3139.8	3590.4	3674.7	3553.7	2848.5	1938.3	994.7	372.0
72.5°	1928.4	1970.5	2362.9	2837.8	3307.6	3239.0	2972.9	1973.4	944.5	270.8	83.8
75°	1187.0	1210.6	1695.5	2137.8	2498.1	2321.9	1980.8	981.8	281.6	76.5	46.4
77.5°	627.1	637.8	928.2	1260.1	1583.6	1310.4	1015.2	382.9	129.6	48.0	33.6
80°	370.7	378.6	499.8	576.2	685.3	572.4	405.9	235.0	92.9	30.2	30.0
82.5°	212.2	217.2	362.3	320.2	270.1	230.5	201.9	222.8	55.8	20.3	30.9
85°	78.0	79.1	203.8	243.6	160.6	95.5	100.3	184.7	14.9	12.8	24.3
87.5°	36.3	35.6	104.9	149.2	94.0	60.5	78.2	40.6	5.8	8.3	6.6
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°	669.9	669.9	669.9	669.9	669.9	669.9	669.9	669.9	669.9	669.9	669.9
2.5°	661.8	652.0	634.1	615.7	597.1	582.6	568.4	557.2	553.4	546.6	547.1
5°	641.6	623.5	586.1	548.1	508.7	476.1	445.4	420.5	408.5	396.3	396.3
7.5°	624.0	597.6	539.1	477.4	413.7	360.0	311.7	275.4	255.4	239.4	239.0
10°	617.2	581.6	499.8	411.6	322.6	249.5	192.1	155.2	136.4	124.1	123.5
12.5°	620.2	576.0	469.8	350.7	239.0	160.3	111.3	87.6	79.5	75.7	75.7
15°	628.8	574.2	439.5	291.1	168.9	100.3	73.9	67.6	67.0	67.0	67.0
17.5°	639.1	574.8	408.5	233.2	115.1	71.8	63.8	63.1	63.5	63.5	63.5
20°	649.8	575.2	375.2	179.7	81.1	62.4	60.0	59.7	60.4	60.4	60.5
22.5°	662.9	576.4	341.9	134.2	67.0	59.0	57.1	57.1	57.4	57.4	57.1
25°	677.9	579.0	307.2	99.5	61.2	56.6	54.9	54.6	54.9	54.6	54.4
27.5°	696.5	582.8	268.5	78.0	58.4	54.2	52.8	52.8	52.6	52.3	52.0
30°	720.0	587.1	224.9	66.1	55.8	52.0	50.8	50.5	50.1	49.6	49.6
32.5°	755.7	596.5	181.9	60.0	52.8	49.0	48.0	48.0	47.5	47.0	46.7
35°	810.7	614.9	143.5	56.4	49.6	46.0	44.6	44.6	44.0	43.7	43.5
37.5°	886.7	642.8	111.6	52.8	46.4	42.4	41.1	40.9	40.3	39.7	39.4
40°	988.0	677.6	87.9	49.6	43.2	38.9	37.9	37.4	36.3	35.6	35.6
42.5°	1114.9	717.0	71.2	46.2	39.4	35.8	34.9	34.1	32.2	31.5	31.3
45°	1247.8	752.6	60.4	42.2	35.8	32.6	32.0	30.7	28.2	27.5	27.5
47.5°	1343.7	760.9	53.1	38.4	32.2	29.0	28.8	26.4	24.3	23.7	23.4
50°	1403.5	744.5	47.3	34.7	29.0	26.0	25.2	22.2	20.8	20.3	20.0
52.5°	1443.8	715.5	42.4	31.5	26.1	22.9	21.1	19.0	17.8	17.3	17.3
55°	1476.1	674.4	37.5	28.6	23.7	20.5	17.8	16.3	15.2	14.7	14.7
57.5°	1485.2	618.7	32.8	26.1	21.4	18.1	15.2	14.2	12.8	12.5	12.5
60°	1419.2	518.1	29.0	23.3	19.3	15.7	13.4	11.9	10.7	10.4	10.2
62.5°	1245.5	400.9	25.6	20.5	16.8	13.7	11.5	9.9	8.9	8.9	8.9
65°	950.0	268.8	22.4	17.8	14.7	11.5	9.9	8.1	7.5	7.5	7.7
67.5°	568.6	146.2	19.3	15.2	12.5	9.6	8.3	6.9	6.6	6.9	6.9
69°	333.4	86.0	17.3	13.7	10.9	8.5	7.1	6.2	6.6	6.9	6.9
70°	205.7	57.9	16.0	12.2	9.9	7.7	6.6	5.8	6.4	6.6	6.6
72.5°	57.4	30.0	12.8	9.6	8.1	6.4	5.3	5.3	6.2	6.4	6.4
75°	37.4	22.2	9.9	7.1	6.2	5.1	4.5	5.1	5.8	6.2	6.2
77.5°	30.9	18.1	8.1	5.8	5.1	4.9	4.3	4.5	5.3	5.6	5.6
80°	28.2	12.8	6.4	5.3	4.5	4.3	4.0	3.8	4.9	5.1	5.1
82.5°	26.9	10.2	5.6	4.9	4.3	3.8	3.5	3.8	4.3	4.5	4.9
85°	16.8	6.6	5.1	4.5	3.8	3.5	3.5	3.5	4.0	4.3	4.3
87.5°	6.2	5.3	4.5	3.8	3.2	3.2	3.2	3.2	3.5	4.0	4.0
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)