

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: P200653

Luminaire Tested: **GAP-AF-01-LED-U-T2-8030-800**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P200653  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24139)  
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-T2-8030-800  
Description: GALLEON PEDESTRIAN LUMINAIRE  
(1) 80 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

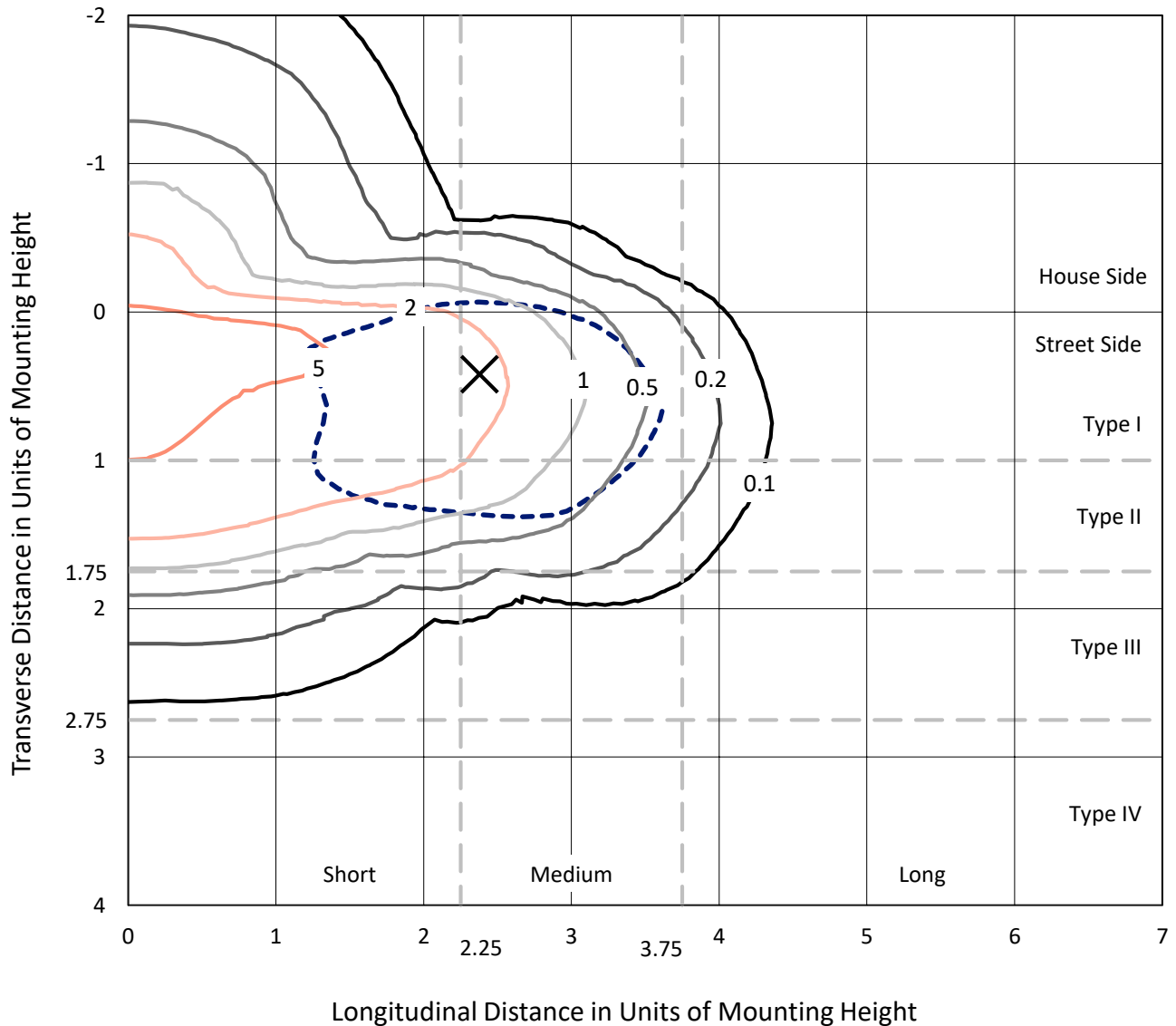
Lumens per Lamp: N/A  
Luminaire Lumens: 4113 lumens  
Efficiency: N/A  
Efficacy: 93.5 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium - Full Cutoff  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (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

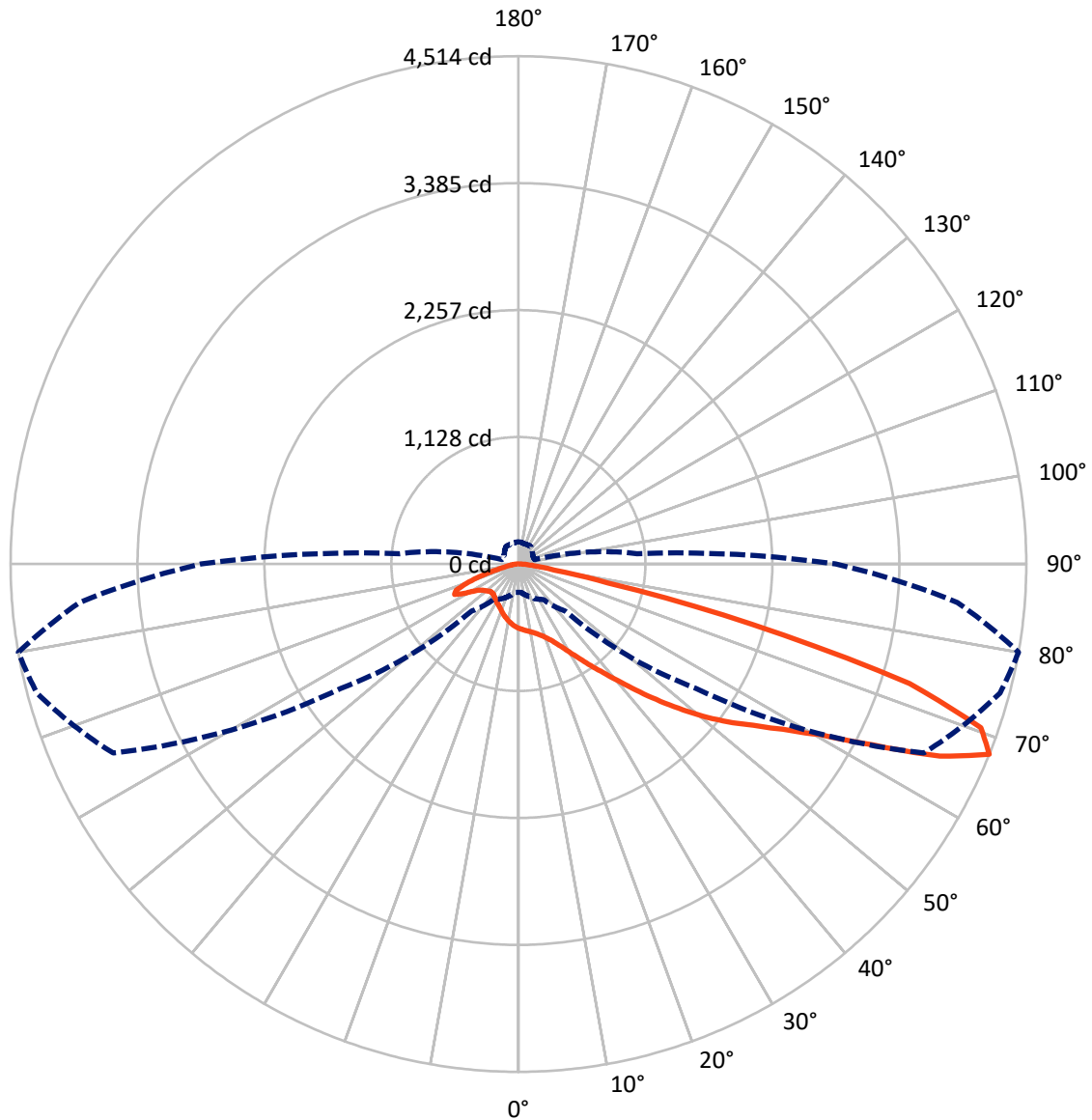
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc  
 Type II - Medium - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical



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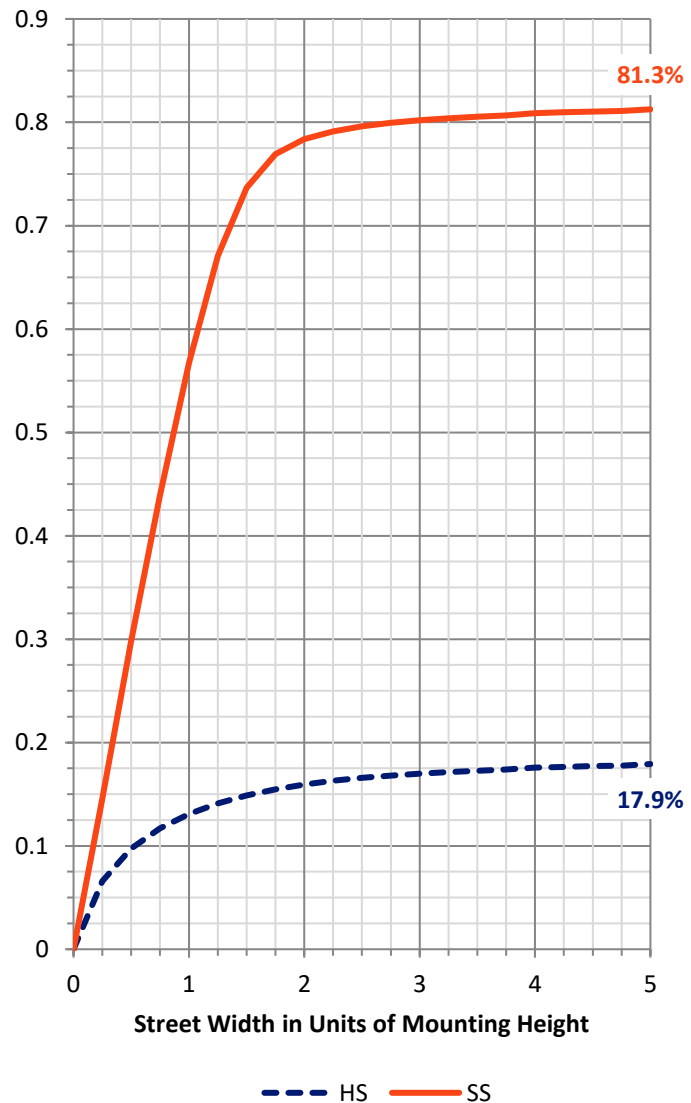
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	757.5	0.0	757.5
	% Fixture	18.4	0.0	18.4
<b>Street Side</b>	Lumens	3355.5	0.0	3355.5
	% Fixture	81.6	0.0	81.6
<b>Total</b>	Lumens	4113.0	0.0	4113.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.7	1.3
10°-20°	151.8	3.7
20°-30°	251.3	6.1
30°-40°	411.1	10.0
40°-50°	663.8	16.1
50°-60°	958.3	23.3
60°-70°	1057.6	25.7
70°-80°	487.5	11.9
80°-90°	78.9	1.9
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°	4113.0	100.0
0°-180°	4113.0	100.0



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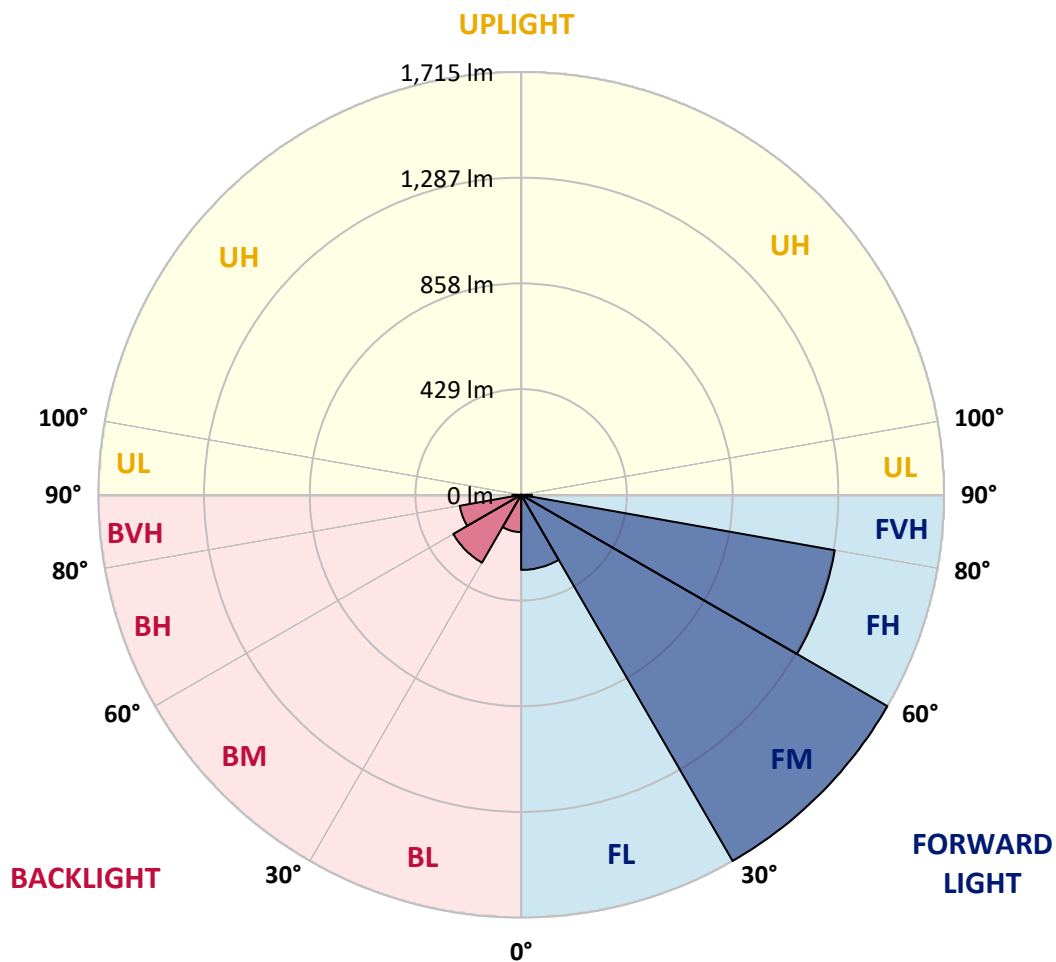
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	304.8	7.4			
FM (30°-60°)	1715.4	41.7			
FH (60°-80°)	1292.0	31.4			G1/1800
FVH (80°-90°)	43.4	1.1			G1/100
BL (0°-30°)	151.1	3.7	B1/500		
BM (30°-60°)	317.8	7.7	B1/1000		
BH (60°-80°)	253.0	6.2	B1/500		G1/500
BVH (80°-90°)	35.5	0.9			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 II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	571.4	571.4	571.4	571.4	571.4	571.4	571.4	571.4	571.4	571.4	571.4
2.5°	625.1	621.4	622.0	621.0	618.0	612.7	607.1	596.7	586.0	580.3	575.9
5°	677.3	676.3	674.9	671.6	664.0	653.0	639.5	621.2	601.6	591.3	581.3
7.5°	716.4	715.8	714.0	711.9	704.4	691.3	670.8	644.9	616.4	602.2	586.8
10°	719.6	720.6	722.1	727.5	728.5	721.5	700.6	669.2	631.8	613.5	593.9
12.5°	692.1	694.3	699.8	713.8	728.5	737.3	726.5	694.7	649.8	627.7	602.8
15°	655.6	656.9	663.5	682.8	709.3	736.2	746.4	722.9	673.1	645.9	616.2
17.5°	640.1	640.7	645.3	658.1	682.8	721.3	757.5	753.5	701.6	668.6	632.6
20°	632.2	633.6	640.3	652.8	668.4	702.0	759.1	786.5	735.6	697.0	653.2
22.5°	654.6	654.0	656.5	662.7	675.9	696.1	757.9	820.5	779.0	733.4	680.2
25°	707.1	709.3	705.1	698.0	702.2	716.4	764.4	857.3	833.2	780.2	715.4
27.5°	781.8	779.6	773.3	756.7	748.0	754.1	785.8	897.0	900.7	841.7	762.0
30°	856.3	854.5	848.4	828.2	810.3	805.3	827.6	942.6	981.0	915.6	819.1
32.5°	933.7	931.6	926.0	905.7	884.3	872.5	886.9	995.2	1075.8	1003.9	886.3
35°	1029.0	1025.2	1013.2	985.1	964.0	954.9	961.6	1061.4	1185.2	1108.4	967.9
37.5°	1118.7	1124.6	1112.5	1073.6	1046.2	1043.0	1050.5	1142.2	1303.0	1225.2	1061.6
40°	1208.8	1209.9	1198.9	1167.1	1139.0	1133.7	1152.5	1240.2	1442.1	1365.0	1175.6
42.5°	1302.0	1304.0	1285.6	1256.2	1235.6	1236.6	1258.0	1355.0	1601.7	1529.6	1306.8
45°	1412.3	1415.4	1395.1	1356.7	1337.8	1375.7	1366.8	1483.8	1776.6	1716.7	1457.5
47.5°	1527.8	1532.4	1517.0	1481.0	1457.5	1509.5	1475.5	1626.6	1964.9	1917.3	1622.9
50°	1590.7	1597.4	1612.4	1609.8	1604.7	1596.0	1596.8	1779.6	2159.1	2126.3	1793.0
52.5°	1556.9	1556.7	1611.4	1677.8	1748.7	1753.9	1744.6	1941.0	2340.5	2330.6	1953.2
55°	1402.2	1412.7	1495.6	1624.1	1817.7	1938.6	1966.1	2125.9	2518.7	2530.3	2115.8
57.5°	1144.7	1153.4	1265.1	1444.3	1724.6	2048.3	2281.2	2394.6	2718.0	2771.8	2332.2
60°	776.3	786.9	905.3	1120.6	1473.9	1987.2	2581.1	2874.1	2956.5	3079.0	2636.0
62.5°	456.2	465.7	562.3	706.9	1037.7	1703.1	2712.7	3556.3	3335.3	3542.5	3099.2
65°	314.1	320.5	367.5	440.0	596.3	1147.1	2549.5	4027.2	3918.3	4116.7	3636.4
67.5°	252.7	251.9	289.1	338.6	383.9	591.5	1927.9	3974.0	4431.0	4513.8	3915.3
70°	208.2	207.3	232.7	273.6	306.8	333.1	1050.1	3353.6	4326.5	4360.1	3658.5
72.5°	174.1	174.9	191.1	221.5	251.7	250.9	461.5	2359.2	3403.6	3636.0	2916.4
75°	147.0	147.4	158.1	179.6	204.3	202.1	250.3	1278.1	1978.5	2140.3	1616.6
77.5°	125.1	125.5	132.4	144.4	162.0	161.2	182.6	552.2	825.3	815.2	553.0
80°	111.6	111.6	114.8	117.0	126.8	123.1	135.5	265.3	348.9	322.2	220.7
82.5°	87.5	87.9	107.7	106.9	99.8	95.2	95.2	156.3	184.9	170.9	129.2
85°	49.2	49.0	69.5	83.8	87.9	67.0	66.4	87.5	100.6	88.7	62.6
87.5°	21.1	21.5	32.2	37.3	49.8	41.7	41.1	45.2	51.2	44.3	29.0
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°	571.4	571.4	571.4	571.4	571.4	571.4	571.4	571.4	571.4	571.4	571.4
2.5°	571.6	566.4	554.8	540.4	527.5	519.0	511.3	500.1	500.7	493.1	487.4
5°	571.2	560.3	533.6	501.8	471.2	449.1	432.5	417.5	413.9	406.8	402.5
7.5°	571.6	553.8	508.8	458.0	420.2	392.2	378.0	370.1	368.3	365.9	366.1
10°	573.0	547.9	481.7	417.1	377.4	359.0	355.6	358.0	360.8	361.6	361.8
12.5°	576.3	542.7	451.9	380.7	350.7	345.0	350.9	359.2	364.7	367.3	367.1
15°	583.6	538.6	423.4	352.1	335.9	339.0	349.9	361.6	369.5	373.2	373.4
17.5°	591.5	532.7	394.0	330.3	325.0	332.7	346.3	360.0	369.7	373.8	374.6
20°	601.8	525.5	363.3	313.9	314.7	323.4	336.1	349.9	360.6	364.1	365.7
22.5°	615.4	517.6	336.3	300.5	302.9	309.6	319.5	331.5	340.8	342.4	343.8
25°	633.6	509.0	314.9	288.3	289.4	293.2	299.9	307.0	313.4	311.6	313.0
27.5°	658.1	501.8	298.9	277.2	275.4	276.2	279.6	281.9	285.3	280.2	280.8
30°	686.8	493.9	286.5	267.5	262.4	261.0	261.8	263.0	265.7	258.8	257.8
32.5°	720.2	484.3	275.0	259.0	251.9	249.1	249.5	252.7	262.8	258.6	256.3
35°	759.1	473.6	262.8	249.7	244.8	240.8	240.4	250.5	280.6	278.0	276.0
37.5°	804.7	462.9	250.7	239.1	239.5	235.1	233.7	245.2	284.1	273.8	272.3
40°	862.6	457.2	240.4	228.0	233.1	232.5	229.6	235.5	261.4	242.6	240.1
42.5°	934.3	458.0	232.7	216.1	225.4	231.8	227.4	227.6	236.9	222.7	220.5
45°	1022.8	467.5	227.2	206.5	216.7	231.2	226.6	223.3	224.2	216.7	215.4
47.5°	1126.0	487.2	223.3	198.6	208.4	229.0	226.4	222.1	220.3	216.3	215.2
50°	1240.8	515.7	220.5	191.1	200.9	225.4	226.6	220.9	218.9	217.3	216.7
52.5°	1353.6	548.3	216.3	184.7	195.0	220.9	227.2	219.7	217.5	216.3	215.6
55°	1479.4	589.0	209.8	179.2	190.1	215.2	227.2	217.9	215.4	215.6	215.4
57.5°	1649.2	654.8	202.1	174.5	184.3	208.4	223.3	215.9	212.8	213.0	213.2
60°	1914.7	770.9	192.8	169.9	177.0	200.3	218.1	211.4	208.4	209.2	209.4
62.5°	2305.1	941.2	180.6	163.0	169.3	191.6	210.8	205.7	202.7	204.7	204.7
65°	2710.9	1091.4	165.6	154.3	161.2	182.0	201.7	198.6	195.6	200.3	200.1
67.5°	2820.0	1057.8	150.6	144.8	153.1	171.5	190.7	189.1	187.5	195.6	195.2
70°	2505.2	849.2	136.9	135.1	144.2	160.2	179.0	179.0	178.0	184.1	182.6
72.5°	1908.6	602.2	123.7	124.7	134.0	147.8	166.2	167.7	166.0	169.1	167.9
75°	1021.7	344.6	110.6	113.4	121.5	135.3	152.1	153.5	152.5	152.3	152.9
77.5°	339.6	168.5	96.8	101.2	108.3	122.3	137.3	139.5	137.1	136.7	136.5
80°	151.3	105.9	81.6	87.5	93.8	107.5	121.7	123.5	120.9	124.5	119.9
82.5°	97.2	69.7	65.4	71.9	78.0	92.7	106.1	106.5	104.1	120.9	103.1
85°	47.2	43.1	49.2	55.1	60.3	72.9	87.9	88.1	82.0	74.7	72.1
87.5°	23.5	25.1	32.8	38.1	40.7	50.0	64.0	62.8	60.1	54.7	50.4
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)