

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P385761

Luminaire Tested: GAW-SA1B-750-U-T4W

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-2019  
Report Number: P385761  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: GAW-SA1B-750-U-T4W  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 5000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6060 lumens  
Efficiency: N/A  
Efficacy: 137.7 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

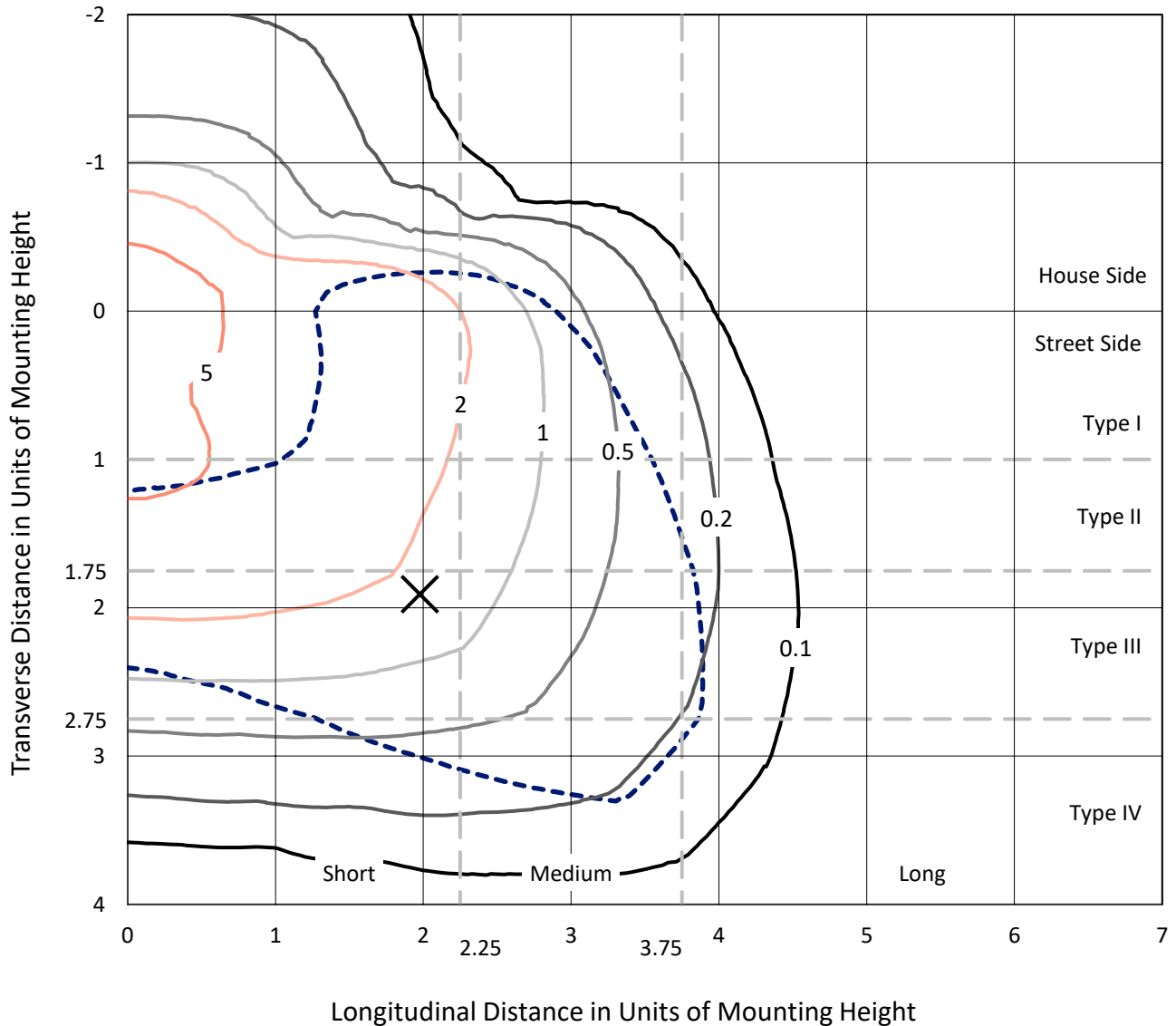
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

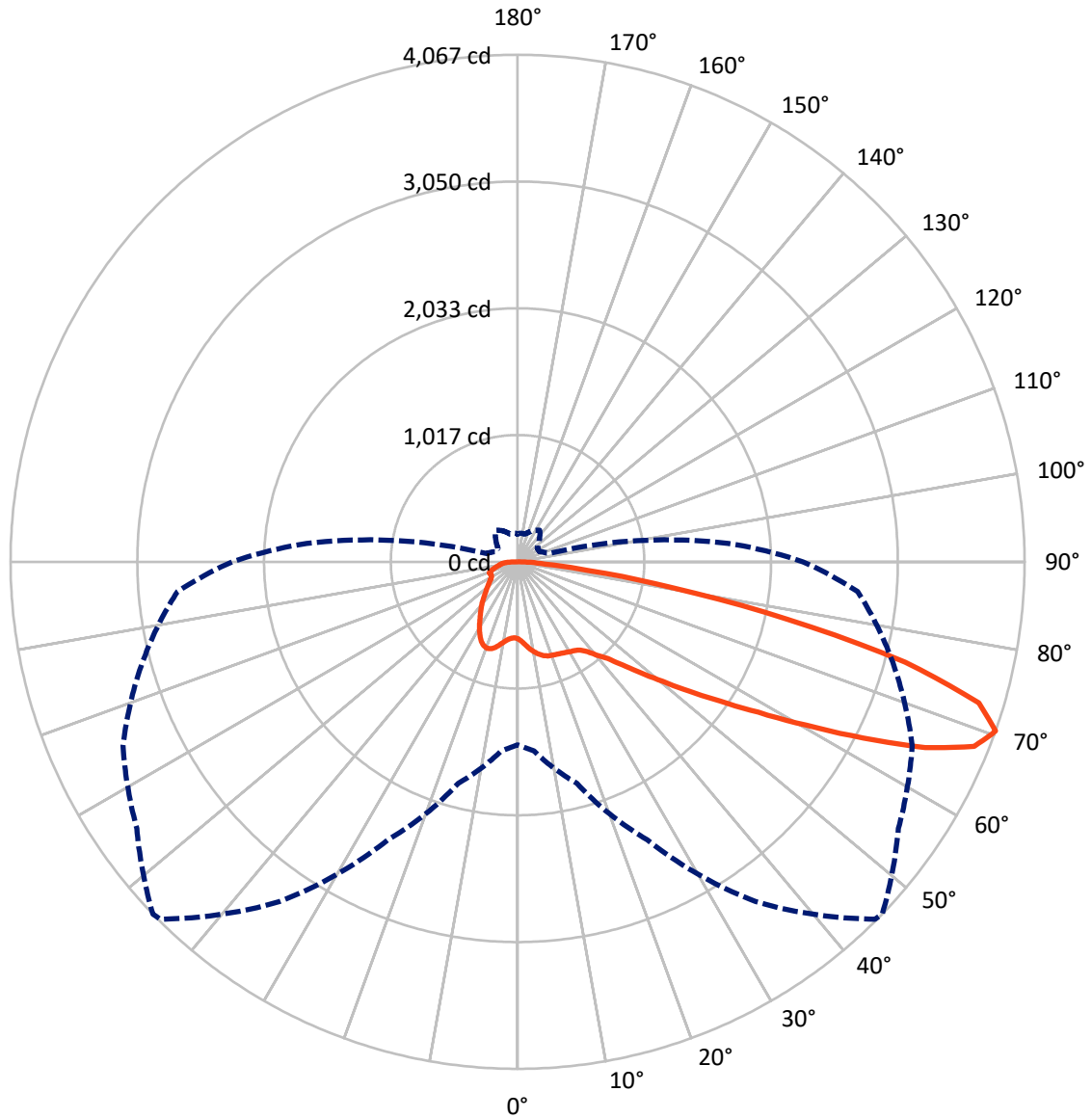
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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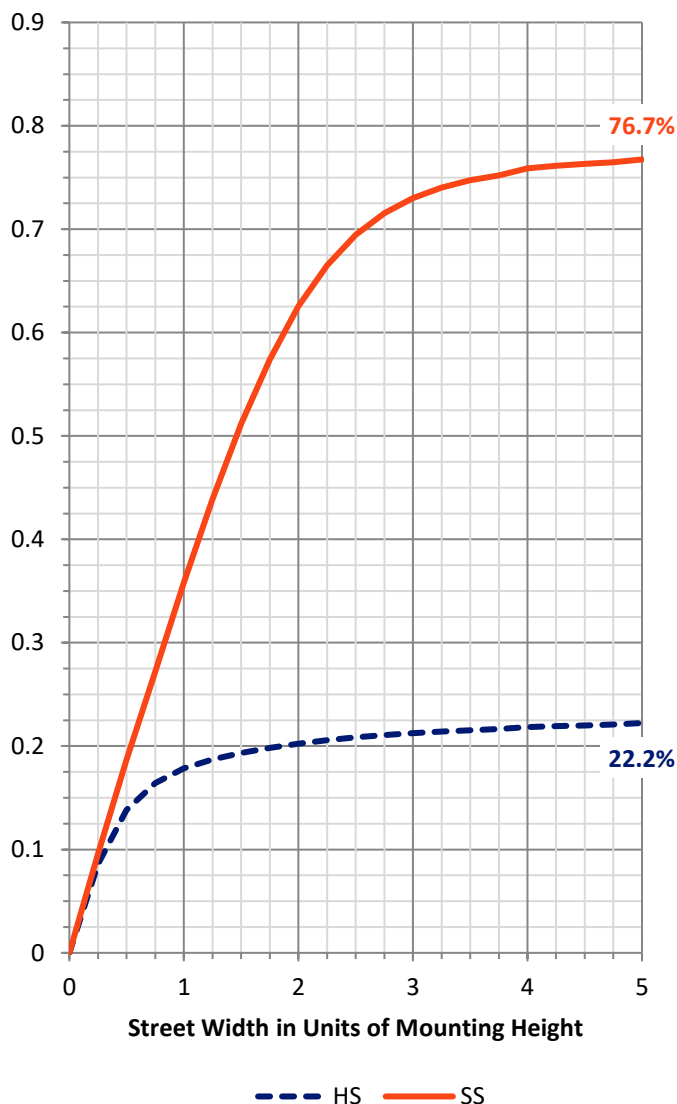
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1388.9	0.0	1388.9
	% Fixture	22.9	0.0	22.9
<b>Street Side</b>	Lumens	4671.1	0.0	4671.1
	% Fixture	77.1	0.0	77.1
<b>Total</b>	Lumens	6060.0	0.0	6060.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.9	1.0
10°-20°	209.7	3.5
20°-30°	349.6	5.8
30°-40°	496.2	8.2
40°-50°	729.8	12.0
50°-60°	1236.0	20.4
60°-70°	1754.4	29.0
70°-80°	1065.8	17.6
80°-90°	155.5	2.6
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°	6060.0	100.0
0°-180°	6060.0	100.0

**Coefficient of Utilization**

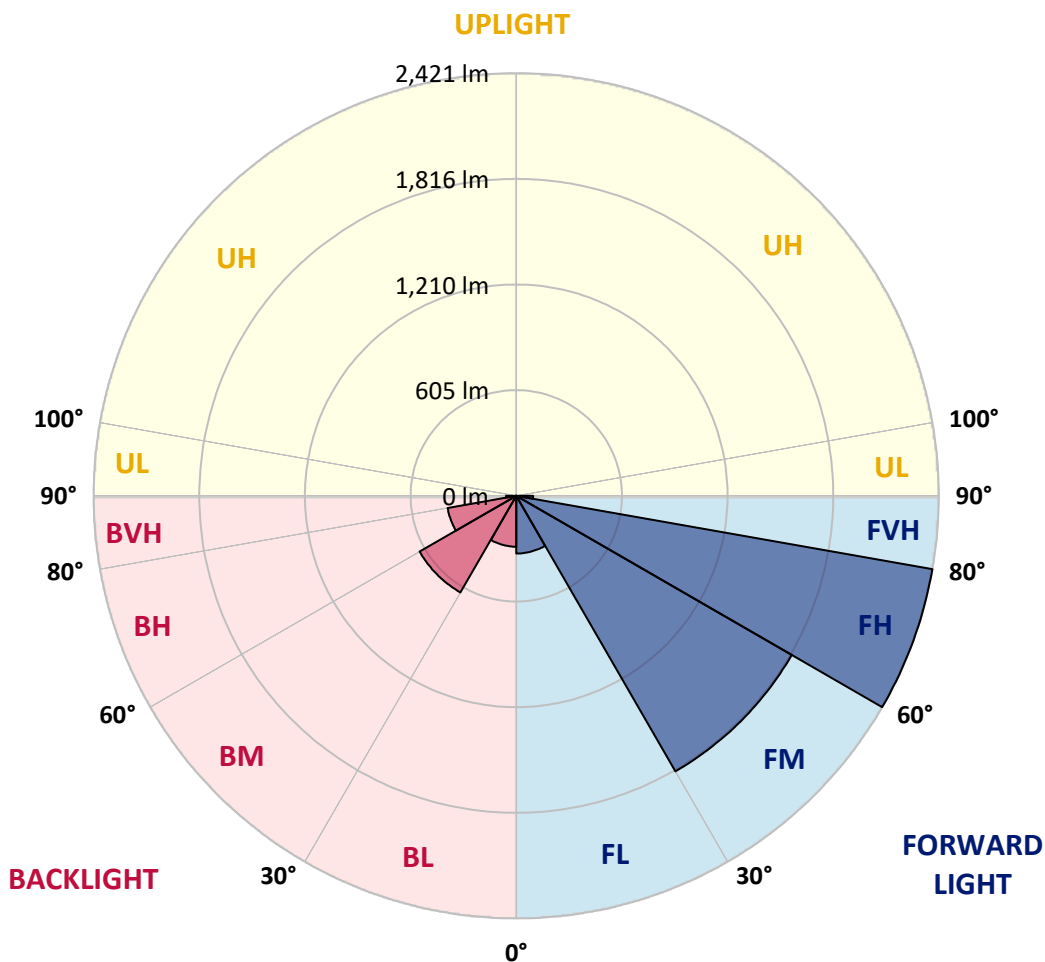


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	330.7	5.5			
FM (30°-60°)	1822.6	30.1			
FH (60°-80°)	2420.9	39.9			G2/5000
FVH (80°-90°)	96.9	1.6			G1/100
BL (0°-30°)	291.6	4.8	B1/500		
BM (30°-60°)	639.4	10.6	B1/1000		
BH (60°-80°)	399.3	6.6	B1/500		G1/500
BVH (80°-90°)	58.6	1.0			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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4
2.5°	648.3	648.7	649.5	647.5	641.7	640.0	639.4	633.4	629.4	623.6	618.6
5°	700.1	700.6	699.3	693.5	680.6	671.1	670.3	656.6	644.1	630.9	620.9
7.5°	754.3	754.9	751.0	740.0	721.9	705.3	704.3	685.6	666.8	646.6	631.7
10°	802.2	799.7	793.3	777.9	756.6	736.2	735.4	715.9	694.1	669.9	650.0
12.5°	834.1	832.0	823.7	805.1	781.6	763.0	761.3	743.3	722.1	695.6	671.7
15°	851.7	853.2	842.0	820.8	798.0	782.3	780.8	768.0	749.1	722.3	695.0
17.5°	854.0	855.3	844.5	823.5	804.9	794.1	793.5	785.0	771.3	745.6	716.9
20°	840.8	841.6	832.7	815.5	803.2	799.9	799.7	796.0	785.8	763.0	735.2
22.5°	821.5	822.1	815.7	803.2	799.1	804.3	805.7	804.3	797.0	775.6	749.5
25°	816.7	816.3	809.6	797.0	800.5	811.5	813.4	814.0	809.0	790.4	767.8
27.5°	839.7	838.3	825.6	805.3	807.6	820.8	823.3	829.3	826.2	809.9	788.5
30°	906.3	903.8	877.9	836.8	825.6	832.5	835.6	845.1	845.7	832.0	816.1
32.5°	1018.7	1015.6	969.1	895.7	856.1	844.3	847.2	861.5	869.2	858.6	841.4
35°	1160.8	1157.2	1096.3	995.9	907.1	866.9	869.0	880.4	895.7	880.8	858.0
37.5°	1308.8	1300.3	1241.6	1113.7	988.2	915.2	915.2	916.7	923.9	892.8	877.5
40°	1456.1	1447.6	1394.5	1252.2	1093.1	991.3	986.5	954.4	948.6	921.8	916.7
42.5°	1593.0	1590.5	1559.1	1408.8	1216.3	1066.2	1059.5	1005.0	1006.2	989.7	989.9
45°	1738.5	1738.5	1713.0	1566.8	1359.8	1186.5	1179.8	1099.6	1112.0	1104.3	1122.8
47.5°	1857.4	1861.1	1857.6	1731.5	1526.8	1339.3	1327.3	1230.6	1265.5	1291.8	1345.5
50°	1978.7	1984.5	1985.1	1912.1	1728.6	1521.0	1507.3	1404.6	1482.4	1557.9	1663.5
52.5°	2154.8	2167.8	2115.8	2092.3	1975.8	1736.7	1723.2	1628.4	1758.2	1864.2	2046.1
55°	2318.0	2306.6	2269.5	2284.0	2240.4	1982.2	1972.1	1888.9	2065.6	2203.3	2439.5
57.5°	2406.3	2405.5	2442.8	2505.0	2525.8	2285.0	2276.5	2195.6	2412.1	2515.6	2808.9
60°	2510.0	2511.5	2604.0	2745.2	2830.6	2662.0	2658.3	2596.9	2748.7	2807.2	3098.6
62.5°	2524.5	2550.7	2709.9	2953.0	3116.0	3102.5	3110.8	2958.4	3049.9	3039.9	3314.9
65°	2357.6	2392.0	2680.3	3015.8	3399.7	3584.3	3592.0	3321.9	3287.3	3238.8	3392.3
67.5°	2015.4	2066.4	2379.6	2879.2	3493.3	3940.4	3951.2	3603.8	3484.3	3306.2	3206.0
70°	1466.7	1523.3	1838.5	2459.0	3326.5	4054.2	4066.5	3728.4	3491.8	3114.4	2736.9
72.5°	886.0	930.3	1190.2	1810.3	2807.6	3846.8	3868.6	3570.4	3188.0	2638.0	2021.0
75°	389.1	418.1	575.5	1043.2	2010.0	3182.8	3210.0	3056.1	2590.3	1917.1	1194.6
77.5°	165.7	174.0	236.0	453.1	1136.3	2174.9	2212.2	2233.0	1757.4	1043.2	504.8
80°	103.3	106.6	133.6	205.1	531.7	1221.5	1261.8	1313.8	872.7	383.5	176.3
82.5°	62.8	66.6	88.8	124.0	276.9	553.7	573.0	609.7	338.7	165.7	91.3
85°	37.7	40.4	54.3	78.4	157.6	217.8	217.6	240.6	159.5	106.6	48.1
87.5°	18.0	20.1	29.0	40.6	79.4	81.7	76.5	86.7	96.9	69.9	24.3
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°	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4	617.4
2.5°	617.0	616.2	613.5	611.4	611.0	609.7	608.7	609.3	610.1	610.3	610.3
5°	616.8	614.5	611.0	609.5	611.4	613.9	617.0	621.1	623.6	625.5	626.7
7.5°	626.7	622.4	618.4	617.6	621.3	628.0	635.0	643.7	649.7	653.9	654.7
10°	643.3	637.9	634.0	634.8	641.5	651.0	660.9	672.1	681.3	686.9	687.3
12.5°	662.4	657.2	653.5	657.0	668.0	679.6	690.0	699.7	708.0	713.6	713.6
15°	684.4	680.6	676.3	684.4	699.3	709.7	714.0	718.8	723.4	727.5	726.7
17.5°	705.5	702.0	699.7	709.3	724.8	729.6	726.7	723.2	723.2	725.4	725.9
20°	723.8	720.7	722.1	731.5	739.5	734.6	723.8	712.6	708.0	709.3	710.5
22.5°	739.8	738.3	742.7	747.0	741.2	723.8	703.9	688.7	683.1	682.7	683.1
25°	758.4	758.2	763.6	755.7	730.0	697.9	671.1	656.4	653.3	655.8	659.9
27.5°	781.6	783.9	786.6	757.8	707.2	658.7	631.5	621.3	624.4	630.5	634.4
30°	811.3	817.5	811.7	752.6	674.4	613.9	587.9	585.0	593.5	602.0	606.2
32.5°	840.1	849.9	835.8	739.1	632.1	566.4	546.3	545.4	555.8	564.1	569.9
35°	863.4	882.6	853.8	712.4	583.2	522.6	507.9	502.3	506.0	515.8	522.4
37.5°	893.6	925.8	866.3	671.5	530.1	486.5	469.3	456.5	453.1	457.1	460.4
40°	949.0	991.5	872.1	614.5	478.2	450.4	433.0	414.2	401.1	391.5	391.8
42.5°	1039.4	1077.2	868.3	545.2	430.3	415.2	395.5	373.7	352.6	331.0	329.3
45°	1186.3	1204.5	857.1	471.8	388.2	378.3	359.8	338.0	309.8	285.4	283.1
47.5°	1421.2	1380.8	839.7	407.7	351.1	347.0	330.0	304.9	275.0	255.3	253.6
50°	1741.6	1635.3	831.2	356.7	318.3	319.6	305.7	279.1	250.9	236.4	234.8
52.5°	2124.9	1931.6	847.6	317.3	292.0	296.4	286.0	261.1	237.5	226.1	224.4
55°	2522.5	2238.6	865.2	288.7	267.1	275.6	272.1	251.6	230.2	219.6	218.2
57.5°	2862.8	2467.7	830.0	265.5	244.9	258.2	261.3	245.5	226.5	216.9	215.3
60°	3077.0	2560.0	737.5	243.7	227.3	244.3	255.1	243.9	227.9	227.1	225.8
62.5°	3178.6	2551.9	598.7	226.5	216.3	238.3	259.7	253.2	244.5	252.0	252.6
65°	3133.0	2430.0	445.9	215.1	208.4	240.6	273.3	270.8	249.3	256.7	257.8
67.5°	2832.7	2139.0	330.2	205.1	199.7	247.0	298.2	276.7	239.9	245.3	242.0
70°	2289.6	1695.8	254.7	193.9	190.8	246.2	309.4	273.1	229.8	231.0	222.1
72.5°	1578.8	1156.4	207.2	183.5	177.9	224.4	301.5	264.4	221.3	211.7	199.9
75°	858.6	620.7	176.1	172.8	155.3	197.0	287.0	258.2	213.6	201.0	194.3
77.5°	337.8	257.6	152.8	158.0	135.8	174.0	270.8	246.4	203.0	186.4	183.1
80°	137.9	131.5	126.7	136.7	116.8	152.2	251.4	232.5	190.4	173.0	166.3
82.5°	78.2	81.7	98.5	107.8	94.8	140.2	242.0	221.3	175.2	154.9	147.0
85°	40.0	47.9	68.6	77.4	69.7	119.2	222.9	193.7	140.6	118.6	119.2
87.5°	19.3	26.8	43.3	48.5	45.2	86.3	166.5	140.4	109.5	86.7	84.0
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)