

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: P386059

Luminaire Tested: GAW-SA1C-830-U-T2

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1C-830-U-T2
Description: GALLEON WALL LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5890 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

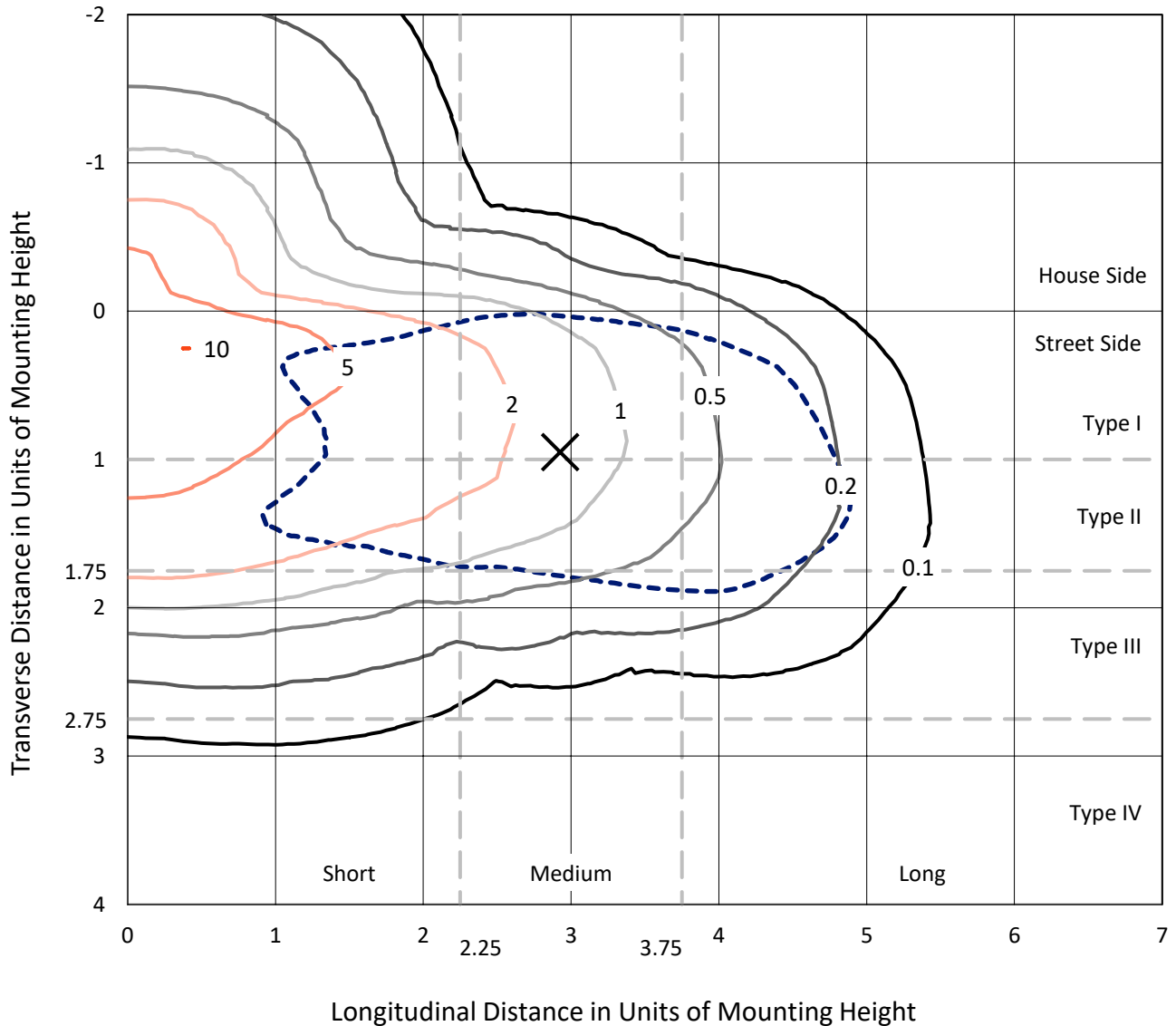
Input Watts (W): 58
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

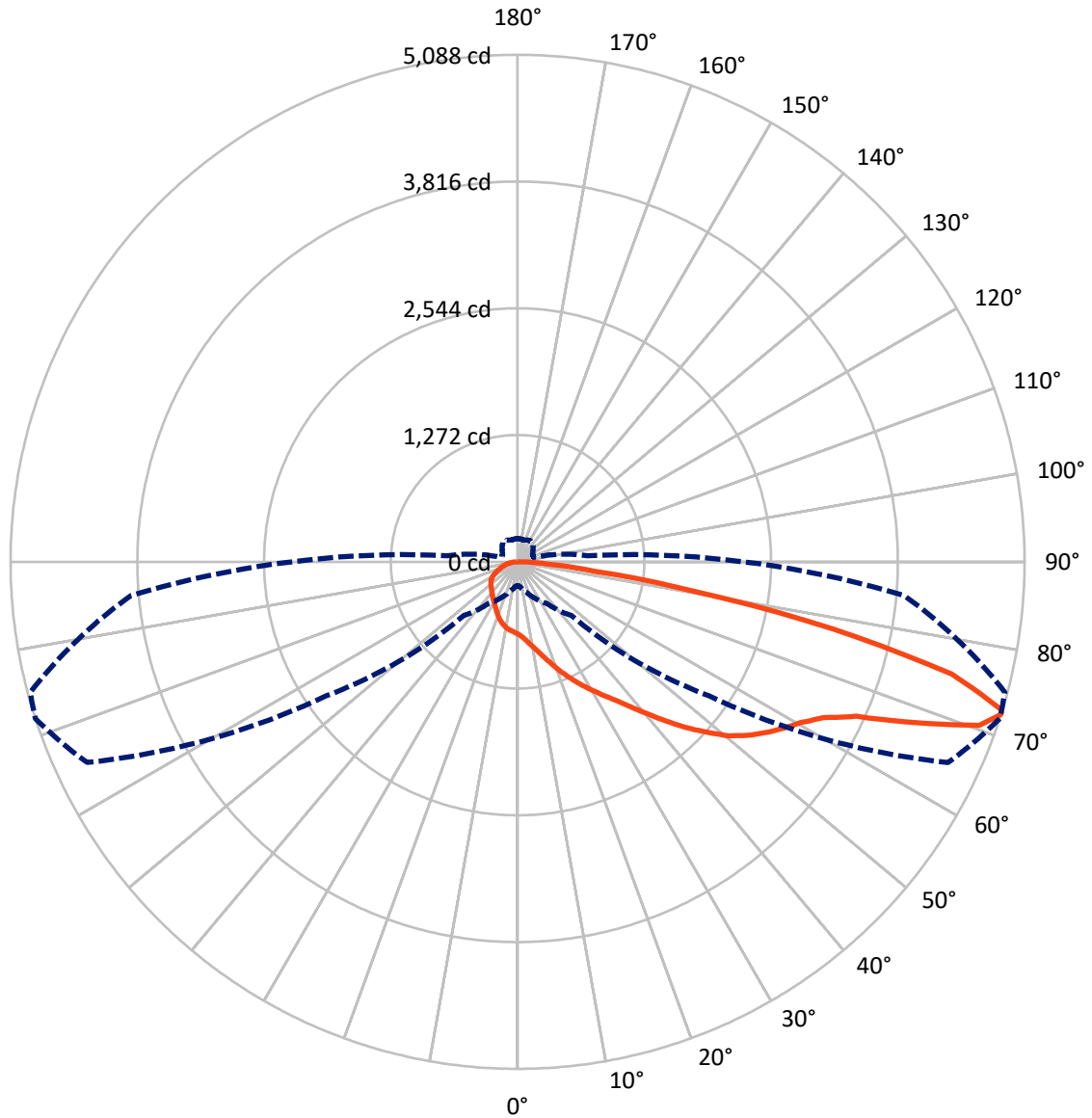
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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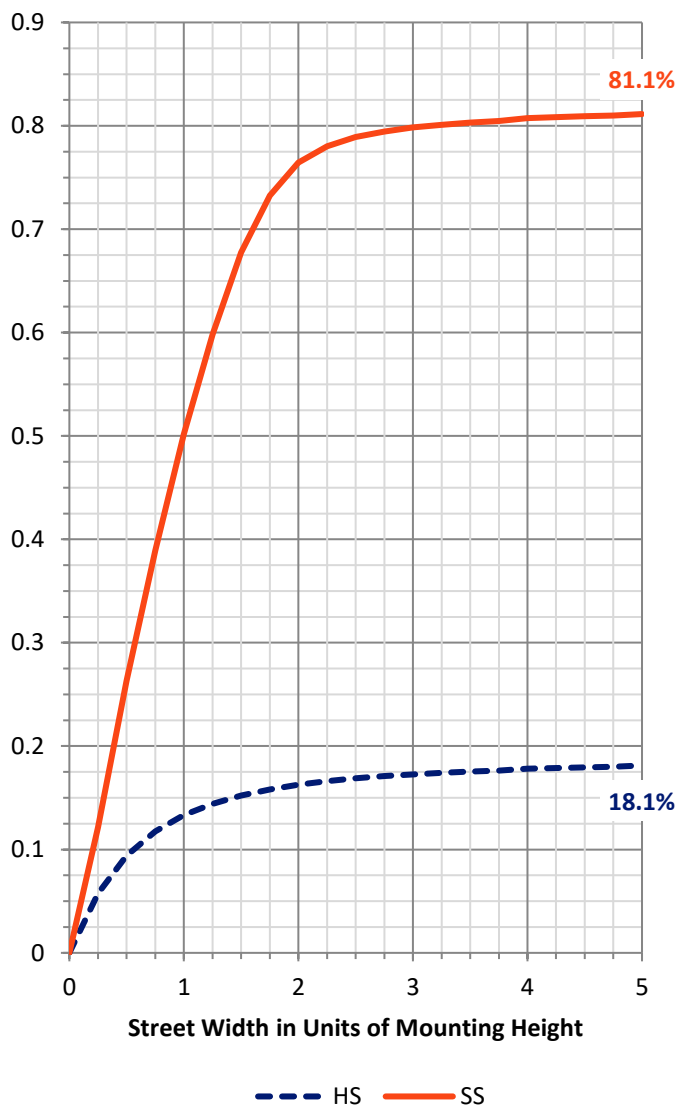
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1092.6	0.0	1092.6
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	4797.4	0.0	4797.4
	% Fixture	81.4	0.0	81.4
Total	Lumens	5890.0	0.0	5890.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.6	1.2
10°-20°	234.6	4.0
20°-30°	411.2	7.0
30°-40°	609.6	10.4
40°-50°	891.6	15.1
50°-60°	1226.9	20.8
60°-70°	1365.9	23.2
70°-80°	925.5	15.7
80°-90°	152.1	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°	5890.0	100.0
0°-180°	5890.0	100.0

Coefficient of Utilization

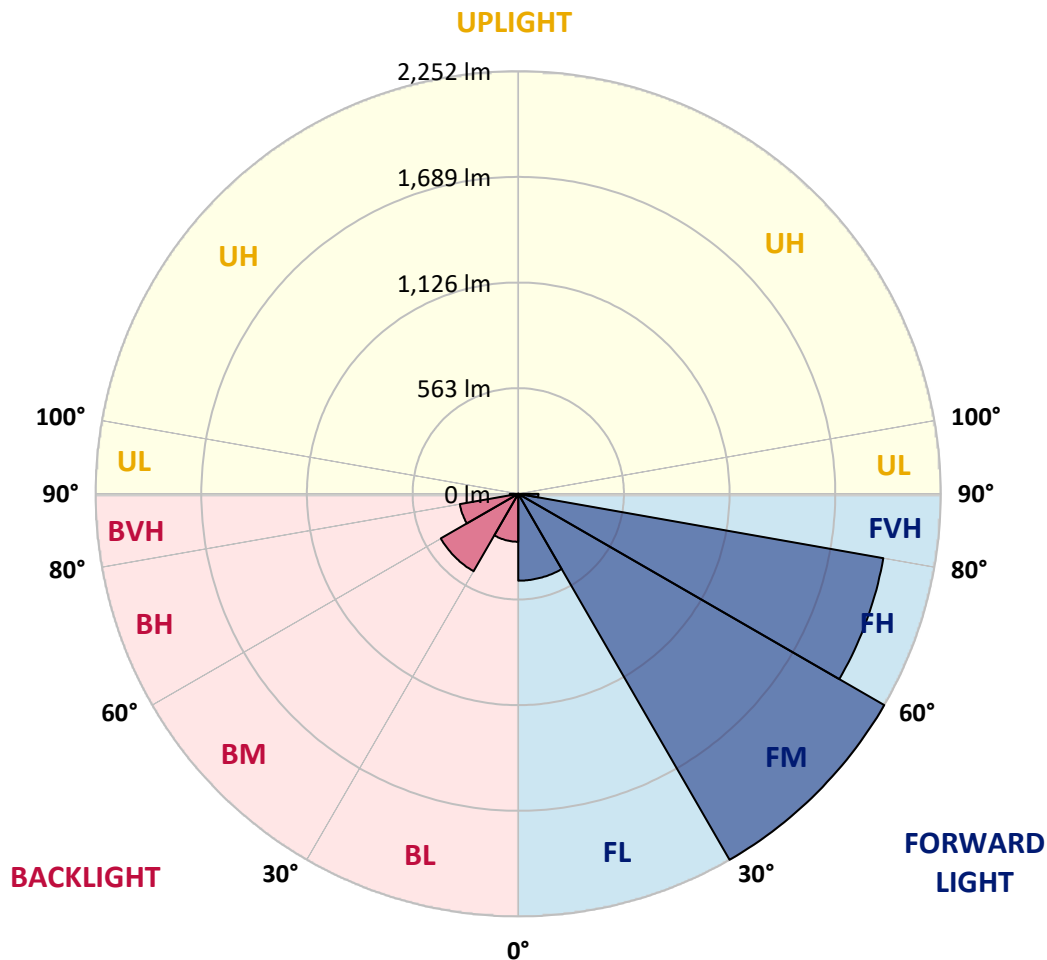


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	463.0	7.9			
FM (30°-60°)	2251.8	38.2			
FH (60°-80°)	1975.3	33.5			G2/5000
FVH (80°-90°)	107.3	1.8			G2/225
BL (0°-30°)	255.4	4.3	B1/500		
BM (30°-60°)	476.3	8.1	B1/1000		
BH (60°-80°)	316.1	5.4	B1/500		G1/500
BVH (80°-90°)	44.8	0.8			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	724.6	724.6	724.6	724.6	724.6	724.6	724.6	724.6	724.6	724.6	724.6
2.5°	800.5	799.3	795.0	795.0	786.9	780.0	767.0	758.3	747.9	744.3	732.1
5°	877.9	878.4	873.1	869.4	857.5	842.9	820.8	800.7	780.6	772.5	747.5
7.5°	943.0	942.2	940.8	937.8	926.6	911.6	881.8	852.0	822.4	810.2	767.2
10°	984.8	986.6	987.9	989.3	984.6	973.9	945.7	909.4	870.6	854.0	790.7
12.5°	1005.9	1009.2	1014.8	1024.6	1032.3	1031.1	1010.6	972.0	926.0	905.1	820.1
15°	1018.3	1022.5	1031.5	1048.9	1070.6	1083.0	1077.5	1042.6	991.3	965.6	856.0
17.5°	1026.0	1029.4	1043.2	1066.6	1098.8	1131.7	1146.1	1116.8	1065.1	1035.7	897.2
20°	1031.3	1033.9	1051.1	1078.5	1120.3	1172.6	1212.8	1205.5	1146.5	1108.3	940.2
22.5°	1043.0	1045.3	1061.7	1089.3	1135.5	1203.0	1277.1	1288.0	1232.2	1189.0	986.2
25°	1075.9	1075.9	1089.7	1108.9	1152.3	1229.4	1331.4	1379.9	1319.9	1269.6	1028.8
27.5°	1138.5	1137.9	1143.0	1149.7	1182.6	1256.2	1379.9	1461.0	1410.7	1355.8	1070.2
30°	1212.8	1216.8	1217.4	1214.2	1229.6	1289.6	1424.7	1546.6	1502.2	1443.0	1112.6
32.5°	1308.3	1310.9	1307.9	1297.1	1294.9	1337.1	1468.7	1636.2	1601.1	1534.0	1151.3
35°	1429.6	1424.5	1415.0	1393.1	1372.2	1400.6	1519.0	1725.9	1712.3	1644.1	1204.7
37.5°	1559.6	1559.8	1548.0	1498.3	1469.5	1481.7	1588.4	1827.5	1846.7	1775.2	1273.0
40°	1663.8	1669.3	1676.6	1611.3	1574.0	1590.8	1676.6	1945.3	2005.7	1930.5	1362.0
42.5°	1736.6	1742.9	1763.6	1722.6	1683.9	1715.1	1780.4	2071.0	2184.2	2109.8	1466.3
45°	1813.7	1817.1	1831.7	1814.1	1789.4	1859.7	1897.4	2201.2	2373.0	2300.8	1582.9
47.5°	1894.8	1898.5	1913.5	1901.7	1888.7	1994.8	2019.5	2323.9	2553.9	2510.7	1707.4
50°	1995.0	1997.4	2011.6	1990.3	1994.4	2096.6	2128.6	2436.5	2743.6	2699.3	1832.3
52.5°	2131.7	2132.3	2152.0	2132.7	2113.6	2171.2	2222.5	2542.6	2892.2	2871.3	1957.3
55°	2238.8	2245.3	2309.8	2305.7	2294.7	2239.0	2301.0	2643.6	3024.8	3034.8	2089.9
57.5°	2170.4	2195.8	2326.4	2418.5	2508.1	2407.5	2407.1	2757.3	3148.1	3195.2	2235.7
60°	1900.9	1935.4	2127.8	2332.1	2612.5	2700.8	2627.3	2896.3	3272.7	3354.2	2418.5
62.5°	1357.6	1414.4	1675.2	2001.3	2469.4	2895.0	3075.5	3116.7	3442.0	3538.3	2655.9
65°	686.3	729.3	947.9	1340.7	1972.9	2768.1	3562.7	3599.4	3736.3	3821.9	3021.6
67.5°	417.0	433.2	539.9	745.7	1209.5	2156.2	3721.7	4403.9	4305.8	4351.2	3543.0
70°	307.3	319.2	385.7	495.3	695.6	1265.3	3233.7	4978.1	4913.6	4908.5	3928.3
72°	239.3	248.0	306.8	400.1	508.6	759.1	2343.8	4766.1	5087.6	5062.0	3893.1
72.5°	226.9	234.6	288.2	376.6	480.6	688.1	2107.4	4623.2	5075.0	5063.4	3847.4
75°	178.7	184.1	213.4	291.2	376.2	390.4	1154.8	3582.8	4502.1	4689.3	3460.5
77.5°	147.8	148.7	164.1	211.9	293.3	276.0	567.2	2485.8	3223.8	3429.6	2451.3
80°	120.5	121.5	128.8	148.7	221.9	204.2	269.3	1429.4	1805.0	1807.2	1165.7
82.5°	95.9	96.1	104.2	108.7	159.4	146.0	154.3	671.1	788.7	758.7	419.0
85°	67.5	66.1	101.8	89.2	104.2	93.7	85.2	265.7	326.1	311.9	131.2
87.5°	22.5	23.3	45.2	57.8	60.8	53.1	37.9	101.8	123.1	122.1	41.6
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°	724.6	724.6	724.6	724.6	724.6	724.6	724.6	724.6	724.6	724.6	724.6
2.5°	728.3	721.8	712.3	701.7	693.4	684.9	678.6	675.3	671.7	668.6	672.3
5°	736.0	723.8	703.5	683.7	669.1	656.1	646.7	641.9	637.4	634.4	634.8
7.5°	748.6	728.9	694.8	665.8	645.5	631.5	622.0	618.8	615.9	615.1	616.1
10°	761.9	732.9	683.3	644.7	621.6	610.0	605.8	608.0	610.0	611.9	613.9
12.5°	777.2	736.6	666.4	620.0	600.3	595.8	600.1	609.8	616.9	621.2	623.8
15°	797.0	739.8	646.9	595.2	582.1	587.1	601.5	618.4	630.7	638.6	639.9
17.5°	815.3	739.6	622.0	570.3	567.2	582.1	603.8	627.5	644.1	655.3	657.5
20°	834.1	734.2	593.0	546.0	552.2	576.6	604.8	633.4	653.4	666.4	669.5
22.5°	851.8	724.6	561.2	523.8	539.7	569.3	600.9	629.9	650.0	660.5	663.8
25°	863.7	708.0	528.9	505.2	528.5	560.4	588.3	611.7	626.7	631.9	632.8
27.5°	869.8	686.3	498.5	489.0	517.0	545.7	565.0	576.6	580.8	580.4	579.6
30°	870.6	657.7	472.3	475.8	503.6	524.3	533.4	531.1	525.7	516.3	517.2
32.5°	868.0	625.5	450.4	463.2	486.5	498.1	498.5	487.7	473.1	458.3	454.3
35°	868.8	593.8	431.2	449.0	465.8	470.9	466.2	450.4	430.6	411.5	407.4
37.5°	877.7	566.2	414.5	432.6	442.9	444.1	437.5	420.8	406.2	387.6	385.9
40°	899.0	546.6	398.7	414.1	420.0	420.6	411.1	399.3	400.5	390.6	390.4
42.5°	937.4	538.0	384.7	394.9	398.5	399.7	392.4	384.9	395.5	389.0	386.7
45°	986.9	540.1	373.0	376.0	382.7	388.4	383.9	374.8	378.8	350.7	341.3
47.5°	1044.0	553.1	363.6	359.8	371.3	382.1	375.2	361.4	347.0	319.0	313.7
50°	1111.0	573.1	355.1	343.8	359.0	373.6	366.7	347.0	325.3	311.7	309.9
52.5°	1180.7	597.7	346.6	326.1	343.3	367.1	363.6	343.8	317.0	303.6	301.2
55°	1259.8	622.4	335.8	305.6	326.5	364.0	362.2	332.0	310.7	303.2	301.4
57.5°	1358.2	650.6	321.6	284.3	310.7	353.1	347.4	324.9	304.2	298.5	297.9
60°	1486.4	692.2	301.2	261.6	291.4	336.3	335.0	314.6	293.9	289.8	289.0
62.5°	1678.6	760.9	273.0	238.9	269.9	307.7	318.8	300.6	282.9	282.7	283.1
65°	1976.7	864.4	242.4	219.0	248.2	283.5	299.9	286.2	271.8	275.8	276.4
67.5°	2322.3	950.1	212.3	199.6	226.1	260.6	282.9	271.8	257.0	267.5	267.7
70°	2437.3	873.5	186.0	180.3	203.2	238.5	264.5	255.9	240.9	251.5	250.5
72°	2268.2	705.2	168.9	165.7	186.0	220.2	248.0	241.1	226.3	233.4	230.8
72.5°	2214.8	672.3	164.7	162.0	181.3	215.6	243.8	237.5	222.7	228.8	226.3
75°	1975.7	583.9	141.6	142.2	158.2	192.9	219.8	217.8	202.6	203.2	202.4
77.5°	1433.0	428.1	119.2	123.3	134.7	169.5	195.7	194.5	177.9	174.8	174.2
80°	665.0	218.4	97.1	99.0	110.7	141.8	166.9	165.3	151.9	148.0	145.8
82.5°	227.8	103.8	73.0	74.2	85.8	114.2	144.8	143.8	132.6	125.1	120.5
85°	81.3	51.7	51.1	49.9	61.2	89.8	126.1	120.7	104.2	88.8	88.4
87.5°	26.4	22.1	26.4	26.2	35.7	60.8	91.7	78.1	75.6	62.9	61.7
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)