

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: P385947

Luminaire Tested: GAW-SA1C-735-U-T2

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385947
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-735-U-T2
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 3500K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6962.8 lumens
Efficiency: N/A
Efficacy: 118.0 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

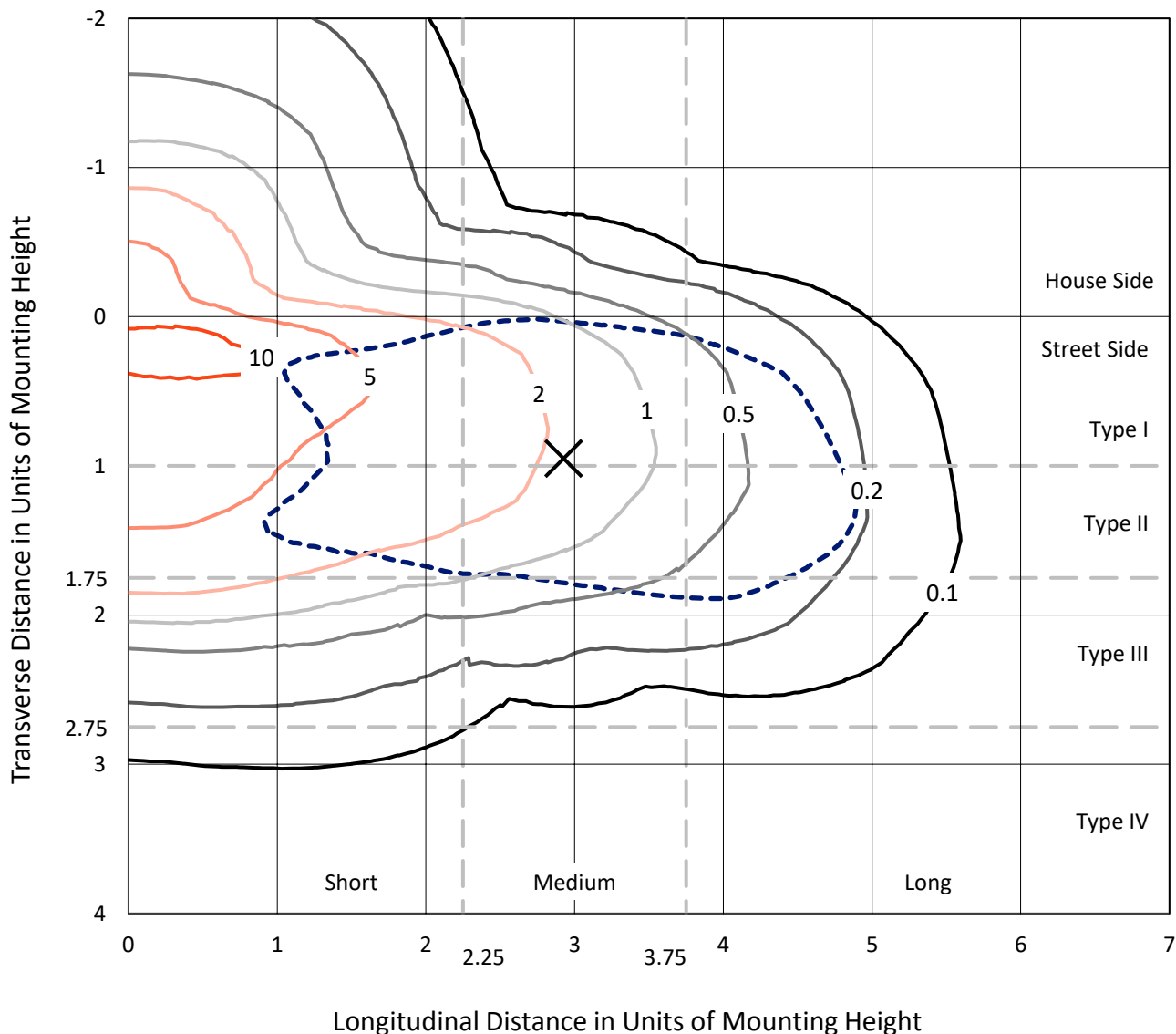
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

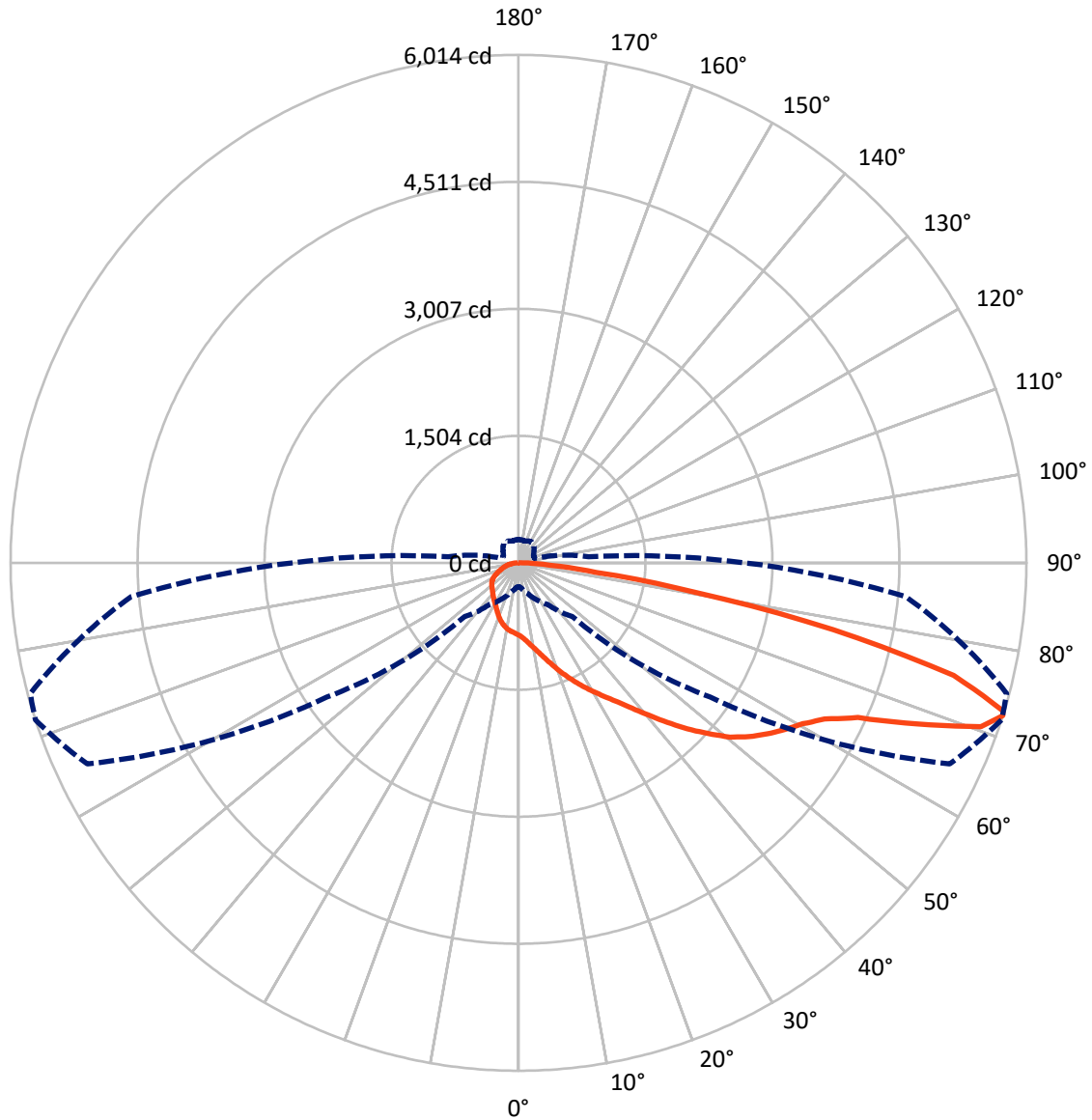
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.8 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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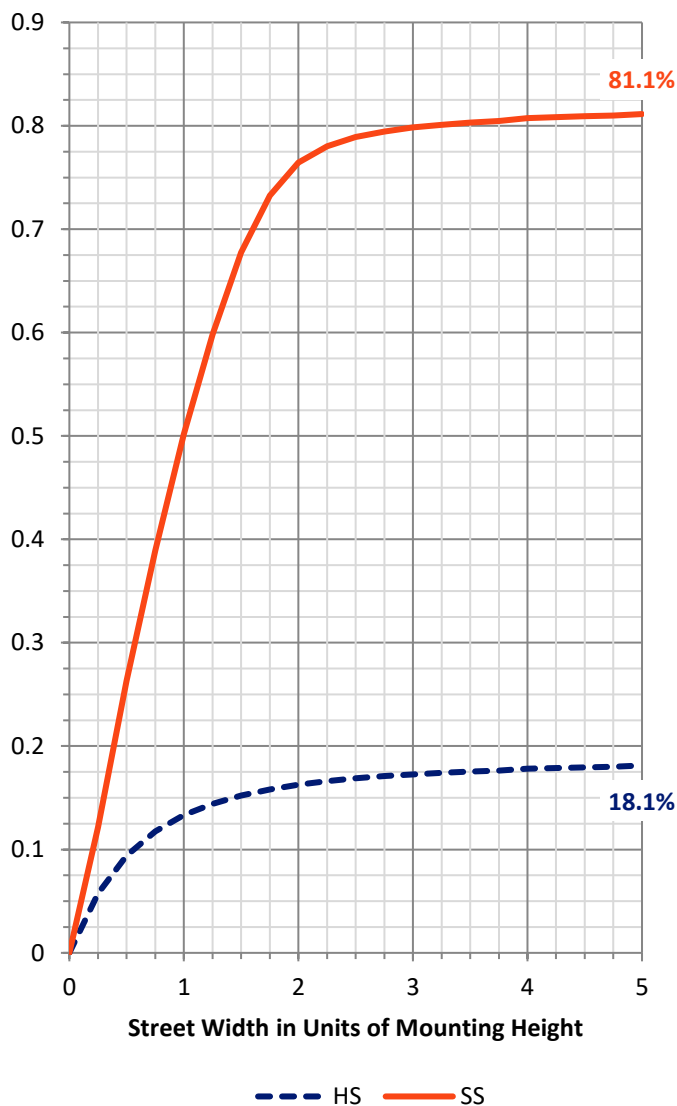
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1291.6	0.0	1291.6
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	5671.1	0.0	5671.1
	% Fixture	81.4	0.0	81.4
Total	Lumens	6962.8	0.0	6962.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	1.2
10°-20°	277.4	4.0
20°-30°	486.0	7.0
30°-40°	720.7	10.4
40°-50°	1054.0	15.1
50°-60°	1450.3	20.8
60°-70°	1614.6	23.2
70°-80°	1094.1	15.7
80°-90°	179.8	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°	6962.8	100.0
0°-180°	6962.8	100.0

Coefficient of Utilization

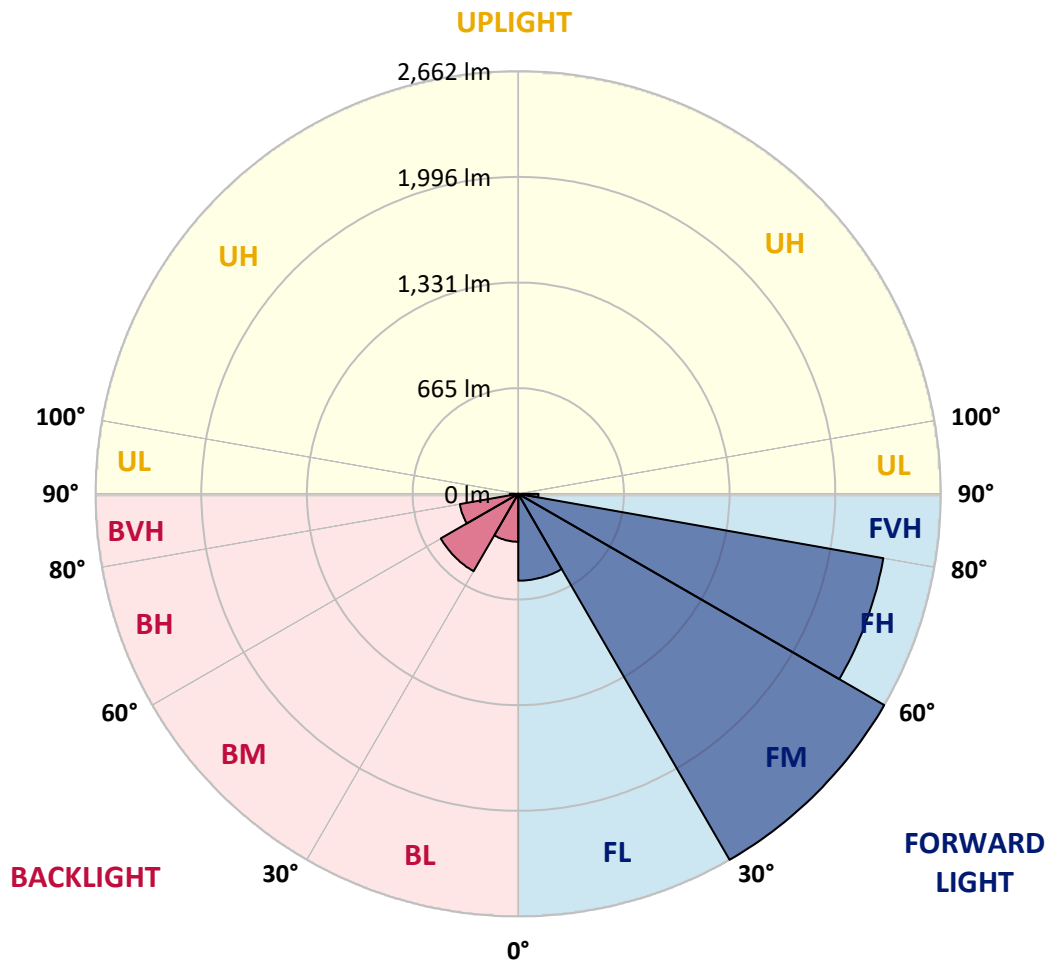


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	547.3	7.9			
FM (30°-60°)	2662.0	38.2			
FH (60°-80°)	2335.0	33.5			G2/5000
FVH (80°-90°)	126.8	1.8			G2/225
BL (0°-30°)	301.9	4.3	B1/500		
BM (30°-60°)	563.0	8.1	B1/1000		
BH (60°-80°)	373.7	5.4	B1/500		G1/500
BVH (80°-90°)	53.0	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°	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6
2.5°	946.3	944.8	939.8	939.8	930.2	922.0	906.7	896.4	884.2	879.8	865.5
5°	1037.8	1038.3	1032.1	1027.8	1013.6	996.4	970.2	946.5	922.8	913.2	883.7
7.5°	1114.8	1113.8	1112.1	1108.6	1095.4	1077.7	1042.4	1007.1	972.2	957.8	907.0
10°	1164.2	1166.4	1167.8	1169.5	1164.0	1151.2	1117.9	1075.0	1029.2	1009.6	934.8
12.5°	1189.1	1192.9	1199.7	1211.2	1220.3	1218.9	1194.6	1149.1	1094.7	1070.0	969.5
15°	1203.7	1208.8	1219.3	1240.0	1265.6	1280.2	1273.7	1232.5	1171.9	1141.5	1011.9
17.5°	1212.9	1217.0	1233.2	1260.9	1298.9	1337.8	1354.8	1320.2	1259.2	1224.4	1060.7
20°	1219.1	1222.2	1242.6	1274.9	1324.4	1386.2	1433.7	1425.1	1355.3	1310.2	1111.5
22.5°	1233.0	1235.7	1255.0	1287.6	1342.3	1422.1	1509.7	1522.6	1456.7	1405.6	1165.9
25°	1271.8	1271.8	1288.1	1310.9	1362.2	1453.3	1574.0	1631.3	1560.2	1500.8	1216.2
27.5°	1346.0	1345.2	1351.2	1359.1	1397.9	1485.0	1631.3	1727.1	1667.6	1602.7	1265.1
30°	1433.7	1438.5	1439.2	1435.3	1453.5	1524.5	1684.2	1828.2	1775.7	1705.8	1315.2
32.5°	1546.6	1549.7	1546.1	1533.4	1530.7	1580.6	1736.2	1934.2	1892.8	1813.4	1361.0
35°	1690.0	1684.0	1672.7	1646.8	1622.1	1655.7	1795.7	2040.2	2024.1	1943.6	1424.1
37.5°	1843.7	1843.8	1829.9	1771.2	1737.2	1751.6	1877.7	2160.3	2183.2	2098.5	1504.9
40°	1966.9	1973.3	1981.9	1904.8	1860.7	1880.6	1981.9	2299.6	2371.0	2282.2	1610.1
42.5°	2053.0	2060.4	2084.8	2036.4	1990.6	2027.5	2104.7	2448.2	2582.0	2494.1	1733.4
45°	2144.1	2148.1	2165.4	2144.5	2115.2	2198.5	2243.1	2602.2	2805.2	2719.9	1871.2
47.5°	2239.9	2244.2	2262.0	2248.1	2232.8	2358.2	2387.4	2747.3	3019.1	2968.0	2018.4
50°	2358.3	2361.3	2378.0	2352.8	2357.6	2478.5	2516.4	2880.3	3243.3	3191.0	2166.1
52.5°	2519.9	2520.7	2543.9	2521.1	2498.6	2566.7	2627.4	3005.7	3419.0	3394.3	2313.7
55°	2646.6	2654.2	2730.4	2725.7	2712.7	2646.7	2720.1	3125.1	3575.8	3587.5	2470.6
57.5°	2565.8	2595.7	2750.1	2859.0	2964.9	2846.0	2845.5	3259.6	3721.5	3777.2	2642.9
60°	2247.1	2287.9	2515.4	2756.8	3088.4	3192.6	3105.9	3423.8	3868.7	3965.1	2859.0
62.5°	1604.9	1671.9	1980.2	2365.8	2919.2	3422.3	3635.7	3684.4	4068.9	4182.8	3139.6
65°	811.3	862.1	1120.6	1584.9	2332.2	3272.3	4211.6	4255.0	4416.8	4518.0	3572.0
67.5°	492.9	512.1	638.2	881.5	1429.9	2549.0	4399.6	5206.0	5090.0	5143.7	4188.3
70°	363.2	377.4	456.0	585.4	822.3	1495.8	3822.7	5884.7	5808.6	5802.5	4643.8
72°	282.9	293.2	362.7	473.0	601.3	897.4	2770.7	5634.2	6014.2	5984.0	4602.1
72.5°	268.3	277.4	340.7	445.2	568.2	813.4	2491.2	5465.2	5999.3	5985.7	4548.2
75°	211.2	217.7	252.2	344.3	444.7	461.5	1365.1	4235.4	5322.0	5543.4	4090.8
77.5°	174.7	175.8	194.0	250.5	346.6	326.3	670.5	2938.5	3810.9	4054.3	2897.7
80°	142.4	143.6	152.3	175.8	262.3	241.4	318.4	1689.7	2133.7	2136.4	1378.1
82.5°	113.4	113.7	123.2	128.5	188.4	172.7	182.4	793.3	932.3	896.8	495.3
85°	79.8	78.2	120.3	105.5	123.2	110.8	100.7	314.0	385.5	368.7	155.1
87.5°	26.6	27.5	53.5	68.3	72.0	62.8	44.8	120.3	145.5	144.3	49.1
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°	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6	856.6
2.5°	861.0	853.3	842.0	829.5	819.7	809.6	802.1	798.4	794.1	790.4	794.7
5°	870.1	855.6	831.6	808.2	790.9	775.6	764.6	758.7	753.5	749.9	750.4
7.5°	884.9	861.6	821.4	787.1	763.1	746.5	735.3	731.4	728.1	727.2	728.3
10°	900.7	866.4	807.7	762.1	734.8	721.2	716.1	718.7	721.2	723.3	725.7
12.5°	918.7	870.7	787.8	732.9	709.6	704.4	709.4	720.9	729.3	734.3	737.4
15°	942.2	874.6	764.8	703.6	688.1	694.0	711.1	730.9	745.6	755.0	756.4
17.5°	963.7	874.4	735.3	674.2	670.5	688.1	713.8	741.7	761.5	774.6	777.3
20°	986.1	867.9	701.0	645.4	652.8	681.6	714.9	748.7	772.5	787.8	791.4
22.5°	1006.9	856.6	663.4	619.2	637.9	673.0	710.4	744.7	768.4	780.8	784.7
25°	1021.0	836.9	625.3	597.2	624.8	662.4	695.5	723.1	740.8	747.0	748.0
27.5°	1028.3	811.3	589.3	578.0	611.1	645.2	667.9	681.6	686.6	686.1	685.2
30°	1029.2	777.4	558.4	562.4	595.3	619.7	630.5	627.9	621.4	610.4	611.4
32.5°	1026.1	739.4	532.4	547.6	575.2	588.8	589.3	576.6	559.3	541.8	537.1
35°	1027.0	702.0	509.7	530.8	550.7	556.7	551.1	532.4	509.0	486.4	481.6
37.5°	1037.7	669.3	490.1	511.4	523.6	525.0	517.1	497.5	480.2	458.1	456.3
40°	1062.8	646.1	471.3	489.5	496.5	497.2	485.9	472.0	473.5	461.7	461.5
42.5°	1108.1	636.1	454.8	466.8	471.1	472.5	463.9	455.0	467.5	459.8	457.2
45°	1166.6	638.4	440.9	444.5	452.4	459.1	453.8	443.0	447.8	414.6	403.5
47.5°	1234.2	653.8	429.9	425.3	439.0	451.7	443.5	427.2	410.2	377.1	370.9
50°	1313.3	677.5	419.8	406.4	424.3	441.6	433.4	410.2	384.6	368.5	366.4
52.5°	1395.8	706.5	409.8	385.5	405.9	433.9	429.9	406.4	374.7	358.9	356.0
55°	1489.3	735.7	397.0	361.3	386.0	430.3	428.2	392.5	367.3	358.4	356.2
57.5°	1605.5	769.1	380.3	336.1	367.3	417.4	410.7	384.0	359.6	352.9	352.2
60°	1757.0	818.2	356.0	309.2	344.5	397.5	396.0	371.8	347.4	342.6	341.7
62.5°	1984.4	899.6	322.7	282.4	319.1	363.7	376.9	355.3	334.4	334.2	334.7
65°	2336.7	1021.8	286.5	258.9	293.5	335.2	354.6	338.3	321.3	326.1	326.8
67.5°	2745.3	1123.2	251.0	235.9	267.4	308.0	334.4	321.3	303.8	316.2	316.5
70°	2881.2	1032.6	219.8	213.1	240.2	281.9	312.6	302.6	284.8	297.3	296.1
72°	2681.3	833.6	199.7	195.9	219.8	260.4	293.2	285.0	267.5	275.9	272.8
72.5°	2618.3	794.7	194.6	191.5	214.4	254.9	288.2	280.8	263.2	270.5	267.5
75°	2335.6	690.3	167.3	168.1	187.0	228.0	259.8	257.5	239.5	240.2	239.3
77.5°	1694.0	506.1	141.0	145.8	159.2	200.5	231.4	229.9	210.2	206.7	205.9
80°	786.1	258.2	114.8	117.0	130.9	167.6	197.3	195.4	179.6	175.0	172.4
82.5°	269.2	122.8	86.3	87.7	101.5	135.0	171.2	169.9	156.8	148.0	142.4
85°	96.1	61.2	60.4	59.0	72.4	106.2	149.1	142.7	123.2	105.0	104.6
87.5°	31.2	26.1	31.2	30.9	42.2	72.0	108.4	92.3	89.4	74.3	72.9
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)