

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: P385941

Luminaire Tested: GAW-SA1C-740-U-SL4

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385941
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA1C-740-U-SL4
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 4000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7178 lumens
Efficiency: N/A
Efficacy: 121.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

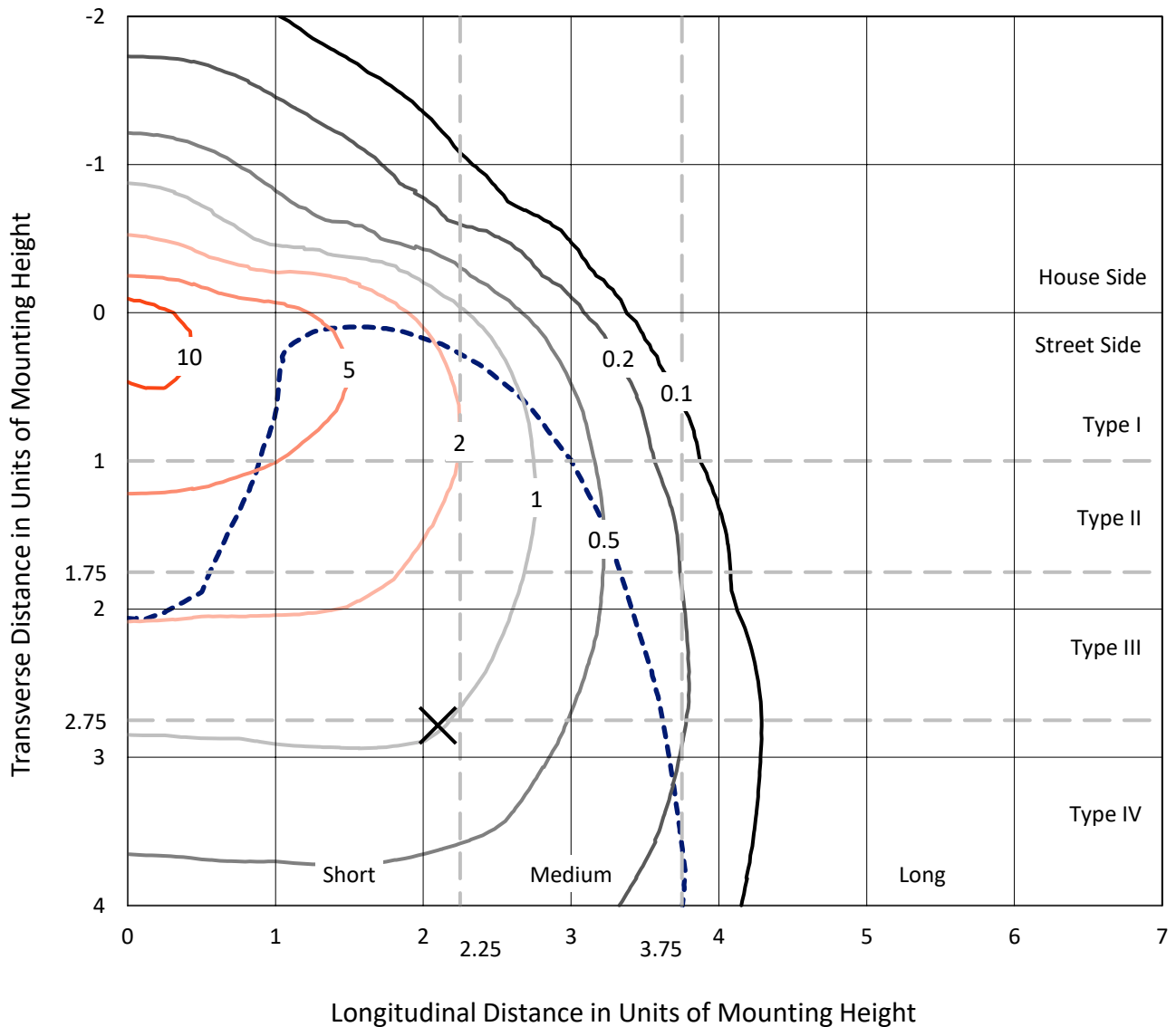
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

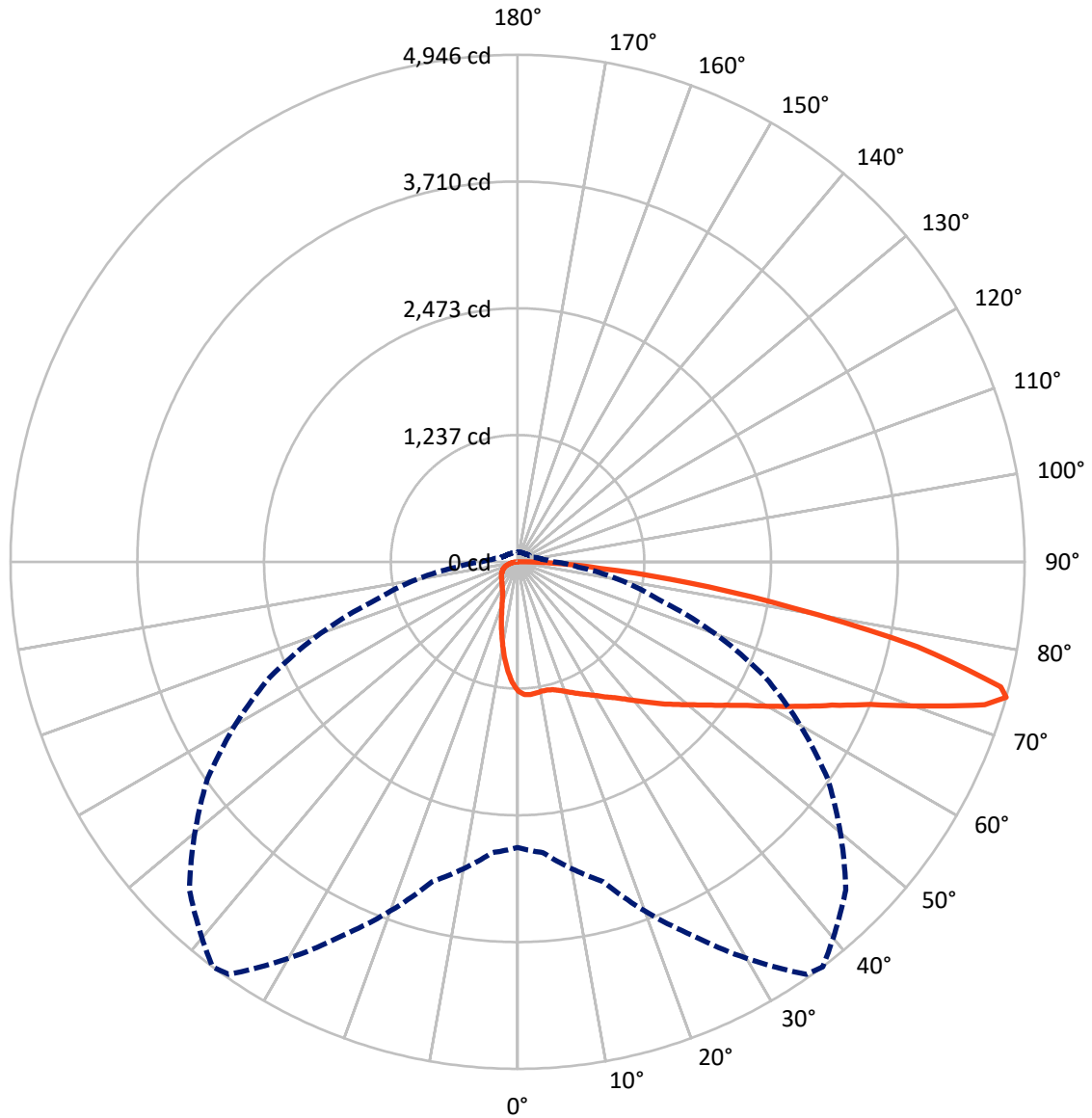
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral - - - Horizontal Cone Through 74-Deg Vertical



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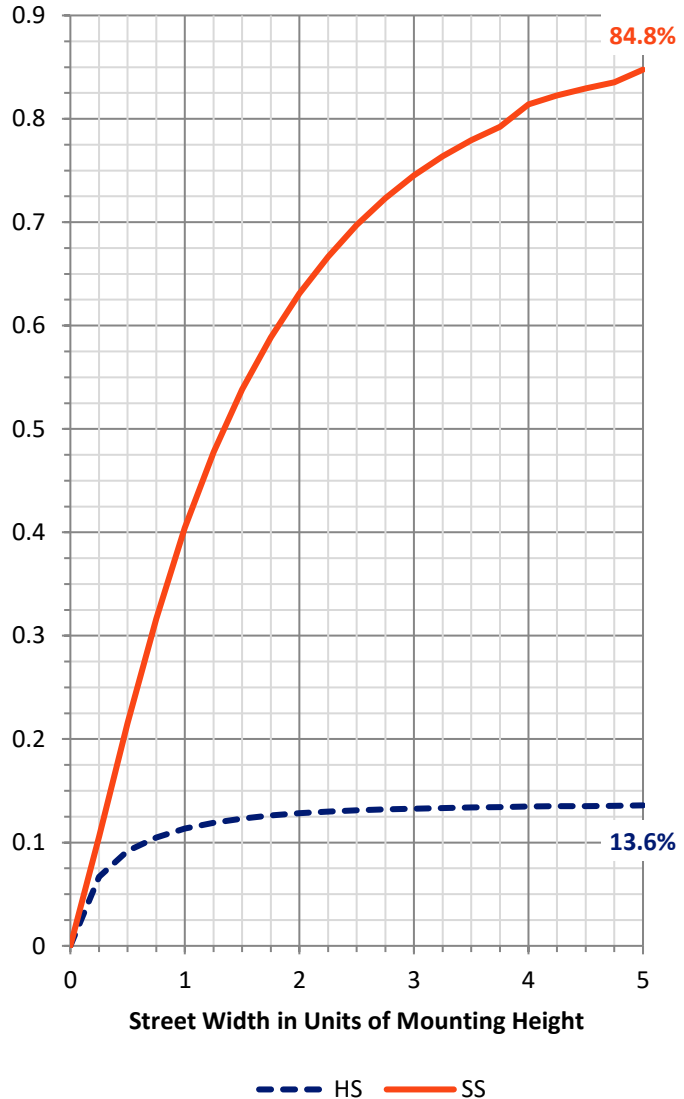
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	987.6	0.0	987.6
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	6190.4	0.0	6190.4
	% Fixture	86.2	0.0	86.2
Total	Lumens	7178.0	0.0	7178.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.4	1.6
10°-20°	285.5	4.0
20°-30°	439.9	6.1
30°-40°	639.6	8.9
40°-50°	941.4	13.1
50°-60°	1322.1	18.4
60°-70°	1673.3	23.3
70°-80°	1473.4	20.5
80°-90°	291.3	4.1
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°	7178.0	100.0
0°-180°	7178.0	100.0

Coefficient of Utilization



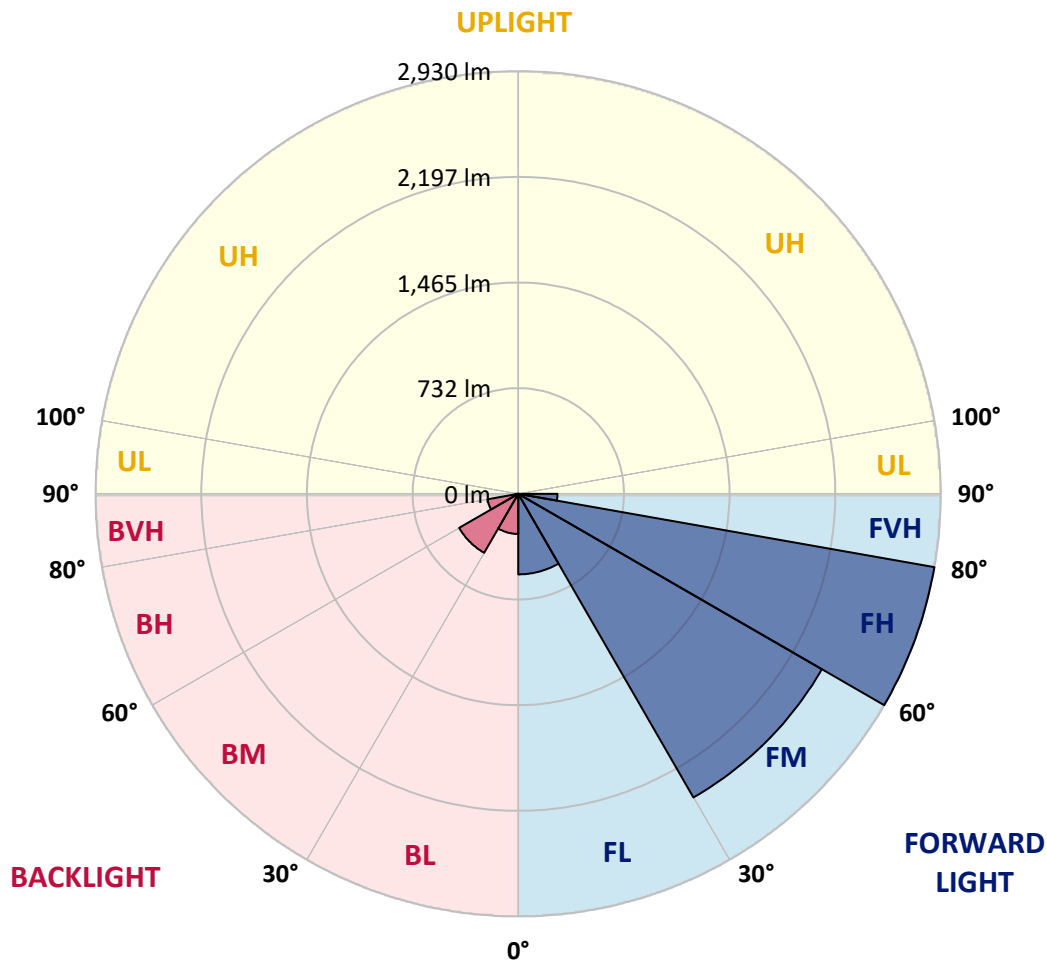
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	558.5	7.8			
FM (30°-60°)	2430.5	33.9			
FH (60°-80°)	2929.7	40.8			G2/5000
FVH (80°-90°)	271.6	3.8			G3/500
BL (0°-30°)	278.2	3.9	B1/500		
BM (30°-60°)	472.6	6.6	B1/1000		
BH (60°-80°)	217.1	3.0	B1/500		G1/500
BVH (80°-90°)	19.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7
2.5°	1308.0	1308.2	1308.0	1305.9	1301.1	1297.1	1293.8	1289.0	1278.4	1270.3	1258.2
5°	1320.4	1318.8	1317.8	1314.0	1306.5	1301.9	1295.6	1286.5	1269.0	1252.9	1233.1
7.5°	1314.5	1312.8	1310.5	1305.9	1297.4	1293.6	1284.7	1272.8	1251.8	1230.6	1202.3
10°	1296.6	1296.1	1295.1	1294.1	1286.7	1283.7	1275.6	1263.0	1242.2	1216.4	1183.3
12.5°	1276.6	1277.9	1281.9	1287.2	1284.0	1282.4	1277.4	1268.8	1247.5	1219.7	1179.8
15°	1264.0	1267.5	1278.4	1292.3	1295.1	1294.6	1293.3	1287.7	1265.2	1234.4	1187.9
17.5°	1259.7	1265.5	1286.2	1309.2	1317.3	1319.1	1319.6	1310.0	1285.0	1252.3	1196.2
20°	1267.5	1274.8	1305.2	1336.8	1349.7	1350.7	1348.4	1331.7	1303.7	1267.8	1200.8
22.5°	1291.3	1297.9	1335.8	1371.4	1386.1	1387.6	1380.8	1355.5	1323.4	1286.0	1207.1
25°	1337.0	1345.1	1383.1	1418.7	1426.3	1426.6	1416.7	1385.3	1349.2	1311.5	1220.7
27.5°	1396.7	1404.8	1438.9	1473.8	1469.8	1467.5	1454.1	1422.8	1382.8	1346.7	1245.0
30°	1463.2	1472.1	1504.4	1529.2	1519.6	1515.1	1504.2	1463.7	1429.6	1394.7	1282.2
32.5°	1532.0	1540.1	1568.4	1585.3	1573.2	1571.2	1554.8	1517.8	1490.5	1468.0	1342.4
35°	1602.5	1608.4	1636.2	1645.8	1629.6	1629.1	1624.5	1590.7	1573.5	1584.1	1429.8
37.5°	1674.6	1676.1	1699.9	1700.4	1695.6	1697.6	1702.4	1681.2	1686.0	1719.1	1543.6
40°	1738.8	1742.9	1760.1	1765.4	1773.7	1780.8	1804.8	1790.9	1828.1	1886.7	1685.2
42.5°	1786.4	1794.2	1821.8	1835.4	1862.5	1873.6	1907.5	1920.4	1995.2	2083.2	1853.6
45°	1826.6	1838.7	1882.9	1911.0	1956.8	1976.2	2024.8	2068.0	2184.1	2296.3	2030.9
47.5°	1870.0	1885.5	1940.8	1994.4	2056.6	2078.6	2166.9	2231.6	2385.6	2510.8	2198.0
50°	1934.0	1945.9	2000.0	2084.2	2161.8	2190.2	2312.3	2405.1	2590.4	2715.1	2342.9
52.5°	2023.3	2018.7	2064.5	2182.6	2286.7	2321.6	2467.5	2589.6	2798.0	2899.9	2465.2
55°	2113.0	2105.4	2137.6	2285.5	2432.4	2469.0	2638.4	2775.0	2995.5	3066.3	2559.1
57.5°	2212.9	2198.5	2225.6	2401.5	2598.2	2642.0	2829.9	2972.0	3189.7	3200.8	2618.7
60°	2315.8	2296.3	2326.7	2545.4	2808.9	2860.4	3053.9	3164.1	3372.7	3308.5	2637.9
62.5°	2405.8	2392.2	2439.0	2706.0	3046.3	3102.9	3273.9	3368.4	3553.2	3353.2	2568.7
65°	2484.5	2486.7	2567.7	2886.5	3311.0	3371.4	3526.2	3620.2	3695.3	3326.7	2406.6
67.5°	2578.3	2591.2	2729.2	3124.2	3644.3	3710.5	3893.3	3894.8	3774.7	3170.9	2087.5
70°	2715.1	2741.6	2951.5	3453.9	4118.1	4209.1	4350.2	4056.2	3663.2	2748.7	1642.5
72.5°	2836.4	2886.0	3187.9	3831.1	4695.6	4764.6	4617.5	3963.1	3197.2	2059.9	1023.3
74°	2787.1	2848.6	3230.9	4017.0	4913.1	4946.2	4527.2	3691.6	2665.8	1426.6	594.7
75°	2680.9	2747.7	3168.2	4015.2	4885.5	4867.0	4309.3	3381.3	2195.5	973.0	395.7
77.5°	2163.6	2234.1	2669.5	3441.2	4005.8	3988.4	3310.3	2268.3	961.6	319.1	201.0
80°	1257.9	1311.8	1657.2	2185.3	2701.2	2732.8	2177.0	1122.4	378.3	179.3	136.3
82.5°	558.8	596.0	800.5	1115.6	1630.1	1670.8	1140.1	588.1	233.6	109.0	81.9
85°	366.6	394.2	486.0	531.2	776.2	804.1	558.0	457.9	154.2	59.9	60.2
87.5°	263.7	290.3	361.1	315.3	356.3	337.3	303.7	423.8	61.9	34.1	20.2
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°	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7	1264.7
2.5°	1252.9	1248.8	1239.7	1222.5	1212.9	1204.8	1191.4	1183.6	1180.0	1179.8	1181.3
5°	1221.8	1212.4	1188.9	1160.1	1137.0	1116.1	1090.0	1074.3	1063.2	1056.6	1058.4
7.5°	1185.6	1170.9	1134.0	1088.0	1051.1	1010.4	970.2	946.1	927.4	913.5	916.1
10°	1160.8	1140.6	1086.7	1020.5	959.0	899.9	844.5	811.4	785.1	764.9	766.4
12.5°	1152.5	1125.2	1050.6	962.1	875.9	794.9	722.6	671.8	644.8	621.7	623.5
15°	1153.7	1117.1	1020.2	909.5	801.0	699.1	611.4	552.0	515.3	499.4	499.6
17.5°	1154.7	1107.7	988.4	853.1	726.9	609.6	514.3	454.1	419.5	404.8	405.1
20°	1151.5	1092.5	948.9	788.4	649.6	527.4	435.1	384.1	357.8	346.4	346.4
22.5°	1147.2	1074.6	904.4	723.4	573.2	456.1	378.5	339.6	324.4	316.8	316.6
25°	1149.2	1061.2	858.9	656.6	502.9	399.2	340.8	315.0	304.9	300.1	299.9
27.5°	1160.1	1054.9	816.9	590.1	441.5	356.5	315.6	297.3	290.8	287.7	287.7
30°	1179.8	1054.9	773.2	533.5	390.4	324.9	296.1	283.7	279.1	277.1	277.1
32.5°	1214.2	1060.7	731.0	477.4	349.7	300.1	279.9	271.6	268.0	267.0	267.0
35°	1273.3	1080.4	689.8	424.3	316.8	279.9	264.5	259.7	257.1	256.9	257.7
37.5°	1356.5	1120.6	651.1	385.1	293.6	263.5	251.6	247.8	246.3	247.5	248.5
40°	1461.2	1175.2	615.9	349.7	275.9	250.3	239.7	237.2	236.4	238.2	239.7
42.5°	1587.6	1249.1	587.1	324.1	262.2	239.2	229.6	226.6	225.8	227.8	229.8
45°	1724.4	1328.5	566.9	305.2	251.6	230.8	220.7	217.4	215.9	216.9	219.2
47.5°	1848.8	1403.5	558.8	291.8	241.5	223.8	212.9	208.9	206.3	205.8	207.6
50°	1953.7	1459.4	562.6	283.7	233.4	215.9	205.3	200.8	197.0	194.7	196.0
52.5°	2030.1	1494.6	566.1	280.2	227.1	207.3	197.0	192.7	187.6	183.8	183.8
55°	2085.5	1502.7	558.3	277.4	222.3	198.0	187.6	183.6	178.5	174.2	173.7
57.5°	2107.2	1479.9	529.2	273.3	219.0	189.1	177.8	174.7	170.4	165.4	165.1
60°	2077.9	1409.6	473.1	264.7	214.7	181.8	167.9	165.9	163.8	159.0	158.8
62.5°	1960.1	1255.4	400.5	247.3	206.1	174.0	158.8	159.8	160.1	156.8	156.3
65°	1746.4	1043.5	329.7	224.5	193.2	164.6	149.4	154.2	157.0	156.5	155.8
67.5°	1435.9	812.1	279.4	200.5	176.2	151.7	139.3	144.9	147.2	148.9	148.4
70°	1065.7	572.7	231.1	175.2	155.8	136.5	126.2	129.0	127.4	129.5	130.2
72.5°	594.2	343.6	188.4	149.9	134.5	118.8	111.5	111.0	107.7	107.7	107.7
74°	356.5	252.1	165.6	134.3	121.6	107.2	100.9	98.6	95.6	95.8	95.6
75°	286.7	216.7	152.0	123.9	112.5	100.4	94.1	91.0	88.7	88.7	88.5
77.5°	181.0	164.6	122.4	98.6	90.0	82.7	78.4	74.3	74.3	74.1	73.8
80°	136.8	131.0	95.3	74.6	69.0	63.5	60.7	58.9	58.9	59.7	59.4
82.5°	93.8	98.6	67.0	52.1	49.3	45.3	44.8	45.0	44.2	43.2	43.0
85°	68.5	74.1	45.3	32.9	30.1	27.6	29.6	30.6	29.3	27.1	26.0
87.5°	26.3	48.5	24.3	13.7	12.6	10.9	12.6	13.1	14.2	11.1	11.4
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)