

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: P385969

Luminaire Tested: GAW-SA1C-750-U-SL4

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P385969
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-750-U-SL4
Description: GALLEON WALL LUMINAIRE
(1) 70 CRI, 5000K, 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: 7177 lumens
Efficiency: N/A
Efficacy: 121.6 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

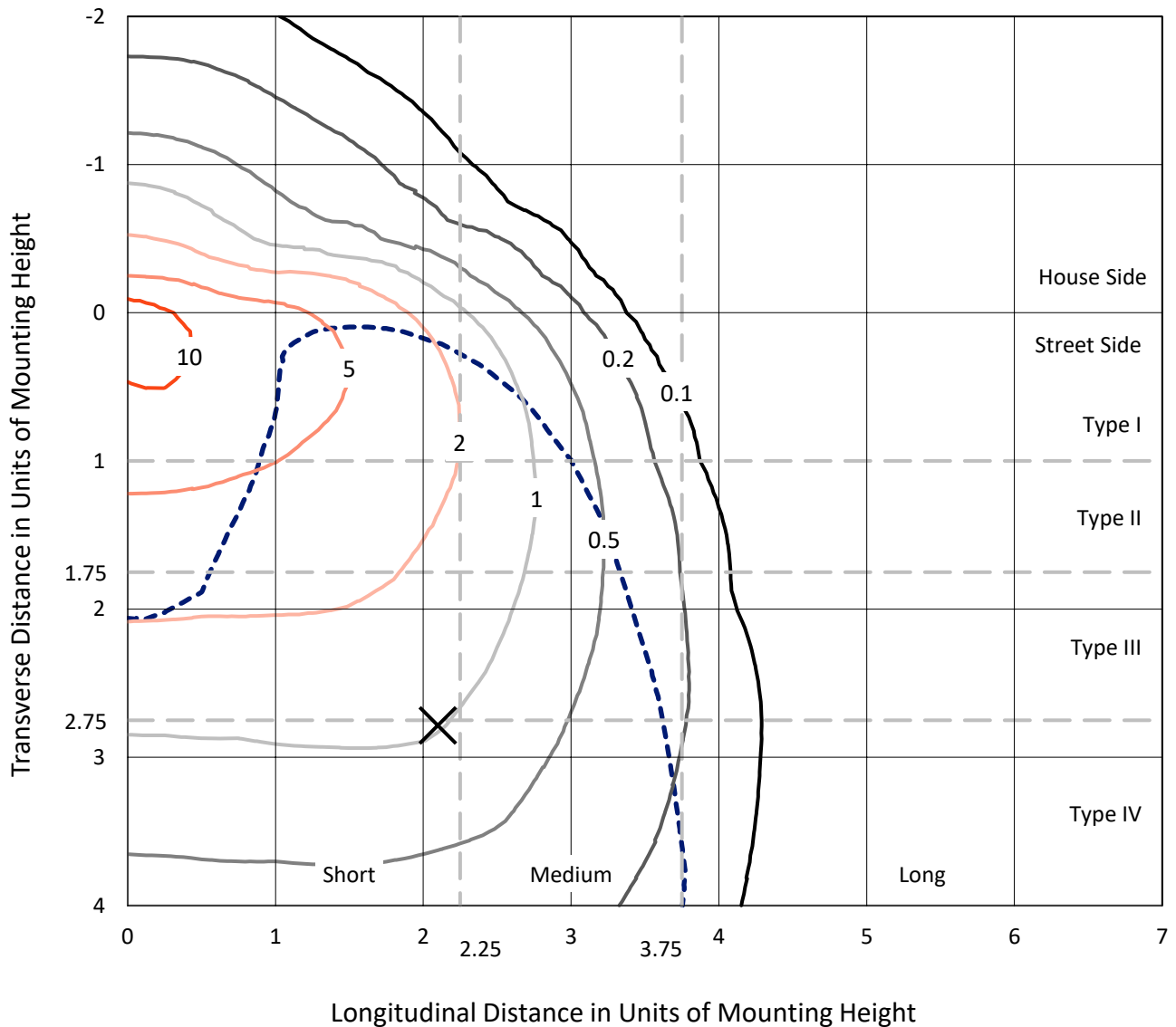
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

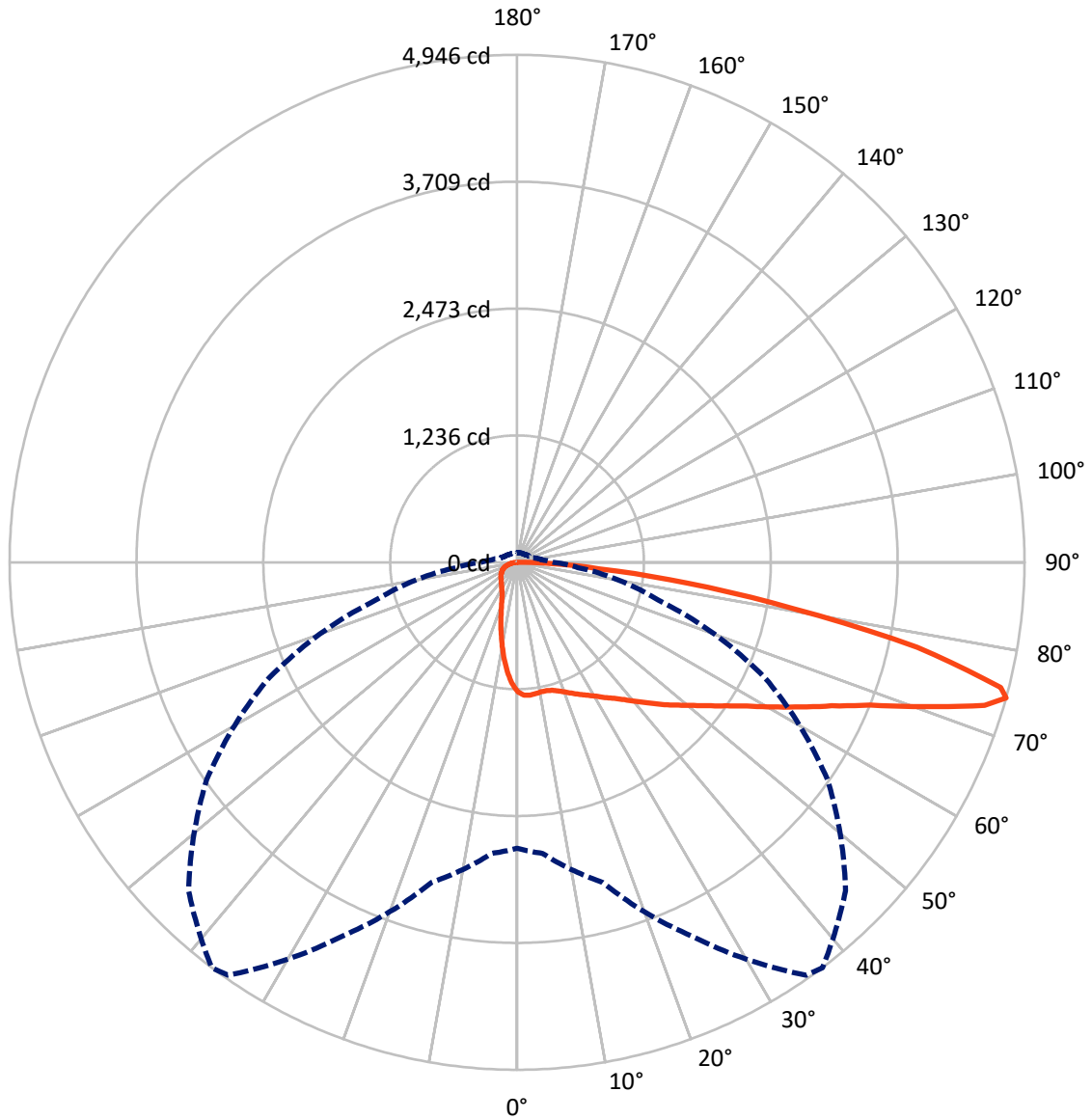
× Max cd
 - - - 1/2 Max cd



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	987.5	0.0	987.5
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	6189.5	0.0	6189.5
	% Fixture	86.2	0.0	86.2
Total	Lumens	7177.0	0.0	7177.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.4	1.6
10°-20°	285.4	4.0
20°-30°	439.8	6.1
30°-40°	639.5	8.9
40°-50°	941.3	13.1
50°-60°	1321.9	18.4
60°-70°	1673.1	23.3
70°-80°	1473.2	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°	7177.0	100.0
0°-180°	7177.0	100.0

Coefficient of Utilization

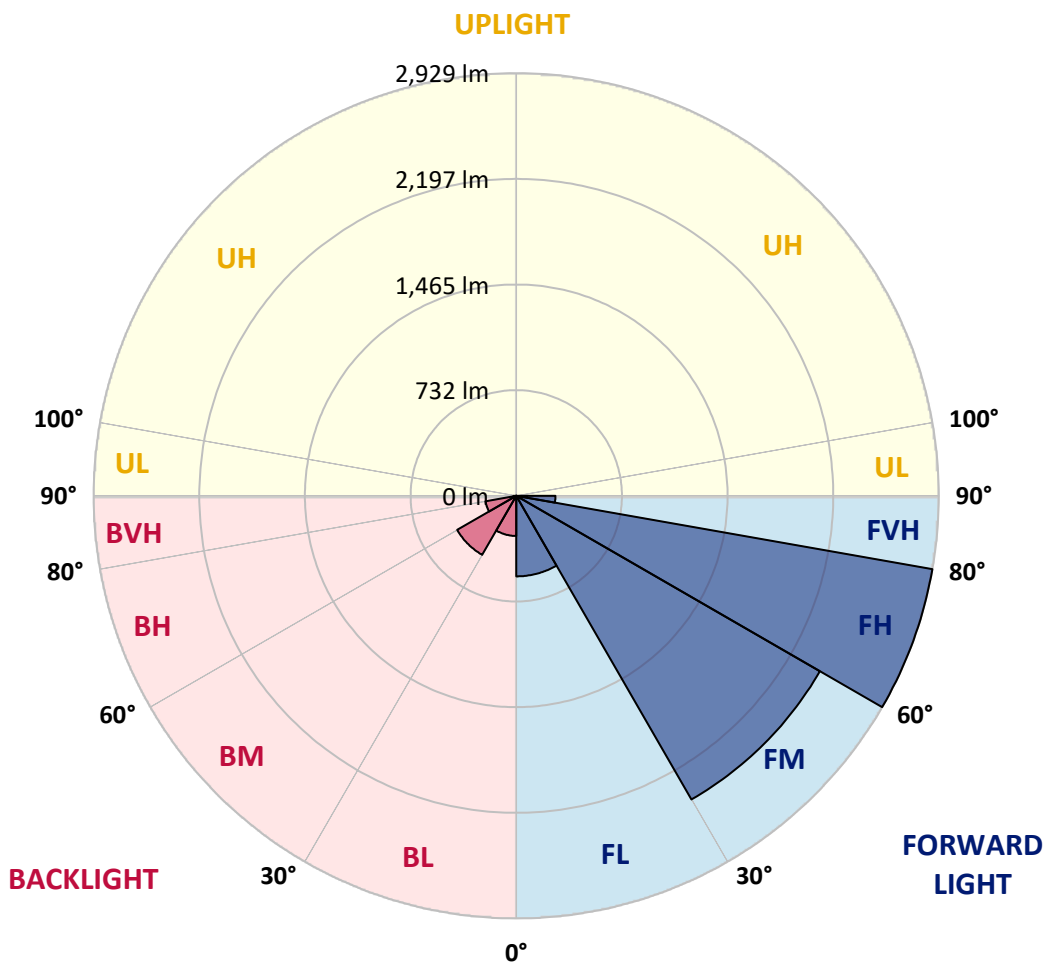


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	558.5	7.8			
FM (30°-60°)	2430.2	33.9			
FH (60°-80°)	2929.3	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°	1264.6	1264.6	1264.6	1264.6	1264.6	1264.6	1264.6	1264.6	1264.6	1264.6	1264.6
2.5°	1307.8	1308.0	1307.8	1305.8	1301.0	1296.9	1293.6	1288.8	1278.2	1270.1	1258.0
5°	1320.2	1318.7	1317.6	1313.9	1306.3	1301.7	1295.4	1286.3	1268.9	1252.7	1233.0
7.5°	1314.4	1312.6	1310.3	1305.8	1297.2	1293.4	1284.5	1272.6	1251.7	1230.4	1202.1
10°	1296.4	1295.9	1294.9	1293.9	1286.6	1283.5	1275.4	1262.8	1242.1	1216.3	1183.2
12.5°	1276.4	1277.7	1281.8	1287.1	1283.8	1282.3	1277.2	1268.6	1247.4	1219.6	1179.6
15°	1263.8	1267.3	1278.2	1292.1	1294.9	1294.4	1293.1	1287.6	1265.1	1234.2	1187.7
17.5°	1259.5	1265.3	1286.0	1309.1	1317.1	1318.9	1319.4	1309.8	1284.8	1252.2	1196.0
20°	1267.3	1274.7	1305.0	1336.6	1349.5	1350.5	1348.2	1331.6	1303.5	1267.6	1200.6
22.5°	1291.1	1297.7	1335.6	1371.2	1385.9	1387.4	1380.6	1355.3	1323.2	1285.8	1206.9
25°	1336.9	1345.0	1382.9	1418.5	1426.1	1426.4	1416.5	1385.2	1349.0	1311.3	1220.6
27.5°	1396.5	1404.6	1438.7	1473.6	1469.6	1467.3	1453.9	1422.6	1382.6	1346.5	1244.8
30°	1463.0	1471.9	1504.2	1529.0	1519.4	1514.8	1504.0	1463.5	1429.4	1394.5	1282.0
32.5°	1531.8	1539.9	1568.2	1585.1	1573.0	1571.0	1554.5	1517.6	1490.3	1467.8	1342.2
35°	1602.3	1608.1	1635.9	1645.5	1629.4	1628.9	1624.3	1590.4	1573.2	1583.9	1429.6
37.5°	1674.4	1675.9	1699.6	1700.2	1695.3	1697.4	1702.2	1680.9	1685.7	1718.9	1543.4
40°	1738.6	1742.6	1759.8	1765.1	1773.5	1780.5	1804.6	1790.7	1827.8	1886.5	1685.0
42.5°	1786.1	1793.9	1821.5	1835.2	1862.2	1873.3	1907.2	1920.1	1994.9	2082.9	1853.4
45°	1826.3	1838.4	1882.7	1910.7	1956.5	1976.0	2024.5	2067.7	2183.8	2296.0	2030.6
47.5°	1869.8	1885.2	1940.6	1994.2	2056.4	2078.4	2166.6	2231.3	2385.3	2510.4	2197.7
50°	1933.7	1945.6	1999.7	2083.9	2161.5	2189.8	2312.0	2404.7	2590.0	2714.7	2342.5
52.5°	2023.0	2018.4	2064.2	2182.3	2286.4	2321.3	2467.2	2589.3	2797.6	2899.5	2464.9
55°	2112.7	2105.2	2137.3	2285.2	2432.0	2468.7	2638.1	2774.6	2995.0	3065.8	2558.7
57.5°	2212.6	2198.2	2225.2	2401.2	2597.9	2641.6	2829.5	2971.5	3189.2	3200.3	2618.4
60°	2315.5	2296.0	2326.4	2545.0	2808.5	2860.0	3053.4	3163.7	3372.2	3308.0	2637.6
62.5°	2405.5	2391.8	2438.6	2705.6	3045.9	3102.5	3273.4	3367.9	3552.8	3352.8	2568.3
65°	2484.1	2486.4	2567.3	2886.1	3310.6	3371.0	3525.7	3619.7	3694.8	3326.2	2406.3
67.5°	2577.9	2590.8	2728.8	3123.7	3643.8	3710.0	3892.8	3894.3	3774.2	3170.5	2087.2
70°	2714.7	2741.2	2951.1	3453.4	4117.5	4208.5	4349.6	4055.6	3662.7	2748.3	1642.3
72.5°	2836.0	2885.6	3187.4	3830.6	4694.9	4764.0	4616.8	3962.6	3196.8	2059.6	1023.1
74°	2786.7	2848.2	3230.4	4016.4	4912.4	4945.5	4526.6	3691.0	2665.4	1426.4	594.6
75°	2680.6	2747.3	3167.7	4014.6	4884.8	4866.4	4308.7	3380.8	2195.2	972.8	395.6
77.5°	2163.3	2233.8	2669.2	3440.8	4005.3	3987.8	3309.8	2268.0	961.4	319.0	201.0
80°	1257.7	1311.6	1656.9	2185.0	2700.8	2732.4	2176.7	1122.2	378.2	179.2	136.3
82.5°	558.7	595.9	800.4	1115.4	1629.9	1670.6	1139.9	588.0	233.6	109.0	81.9
85°	366.6	394.1	485.9	531.2	776.1	803.9	558.0	457.8	154.2	59.9	60.2
87.5°	263.7	290.2	361.0	315.3	356.2	337.2	303.6	423.7	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°	1264.6	1264.6	1264.6	1264.6	1264.6	1264.6	1264.6	1264.6	1264.6	1264.6	1264.6
2.5°	1252.7	1248.6	1239.5	1222.3	1212.7	1204.6	1191.2	1183.4	1179.9	1179.6	1181.1
5°	1221.6	1212.2	1188.7	1159.9	1136.9	1115.9	1089.9	1074.2	1063.1	1056.5	1058.3
7.5°	1185.4	1170.8	1133.9	1087.8	1050.9	1010.2	970.0	946.0	927.3	913.4	915.9
10°	1160.7	1140.4	1086.6	1020.3	958.9	899.8	844.4	811.3	785.0	764.8	766.3
12.5°	1152.3	1125.0	1050.4	961.9	875.7	794.8	722.5	671.7	644.7	621.7	623.4
15°	1153.6	1116.9	1020.1	909.4	800.9	699.0	611.3	551.9	515.2	499.3	499.6
17.5°	1154.6	1107.6	988.2	853.0	726.8	609.5	514.2	454.0	419.4	404.8	405.0
20°	1151.3	1092.4	948.8	788.3	649.5	527.4	435.1	384.0	357.7	346.4	346.4
22.5°	1147.0	1074.4	904.3	723.3	573.1	456.1	378.5	339.5	324.4	316.8	316.5
25°	1149.0	1061.0	858.8	656.5	502.8	399.2	340.8	315.0	304.9	300.1	299.8
27.5°	1159.9	1054.7	816.8	590.1	441.4	356.5	315.5	297.3	290.7	287.7	287.7
30°	1179.6	1054.7	773.1	533.4	390.3	324.9	296.0	283.7	279.1	277.1	277.1
32.5°	1214.0	1060.5	730.9	477.3	349.6	300.1	279.9	271.5	268.0	267.0	267.0
35°	1273.2	1080.3	689.7	424.2	316.8	279.9	264.4	259.6	257.1	256.9	257.6
37.5°	1356.3	1120.5	651.0	385.0	293.5	263.4	251.5	247.8	246.2	247.5	248.5
40°	1461.0	1175.1	615.8	349.6	275.8	250.3	239.7	237.1	236.4	238.1	239.7
42.5°	1587.4	1248.9	587.0	324.1	262.2	239.2	229.6	226.5	225.8	227.8	229.8
45°	1724.2	1328.3	566.8	305.1	251.5	230.8	220.7	217.4	215.9	216.9	219.2
47.5°	1848.6	1403.4	558.7	291.7	241.4	223.7	212.9	208.8	206.3	205.8	207.6
50°	1953.5	1459.2	562.5	283.7	233.3	215.9	205.3	200.7	196.9	194.7	195.9
52.5°	2029.8	1494.4	566.0	280.1	227.0	207.3	196.9	192.6	187.6	183.8	183.8
55°	2085.2	1502.5	558.2	277.3	222.2	198.0	187.6	183.5	178.5	174.2	173.7
57.5°	2106.9	1479.7	529.1	273.3	218.9	189.1	177.7	174.7	170.4	165.3	165.1
60°	2077.6	1409.4	473.0	264.7	214.6	181.8	167.9	165.8	163.8	159.0	158.8
62.5°	1959.8	1255.2	400.5	247.2	206.0	173.9	158.8	159.8	160.0	156.7	156.2
65°	1746.2	1043.4	329.7	224.5	193.1	164.6	149.4	154.2	157.0	156.5	155.7
67.5°	1435.7	812.0	279.4	200.5	176.2	151.7	139.3	144.9	147.1	148.9	148.4
70°	1065.6	572.6	231.1	175.2	155.7	136.5	126.2	128.9	127.4	129.4	130.2
72.5°	594.1	343.6	188.3	149.9	134.5	118.8	111.5	111.0	107.7	107.7	107.7
74°	356.5	252.1	165.6	134.2	121.6	107.2	100.9	98.6	95.6	95.8	95.6
75°	286.7	216.7	151.9	123.9	112.5	100.4	94.0	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	44.7	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)