

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P319963

Luminaire Tested: **GAN-SA9B-730-U-SL4**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319963
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 (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA9B-730-U-SL4
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44211 lumens
Efficiency: N/A
Efficacy: 118.2 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

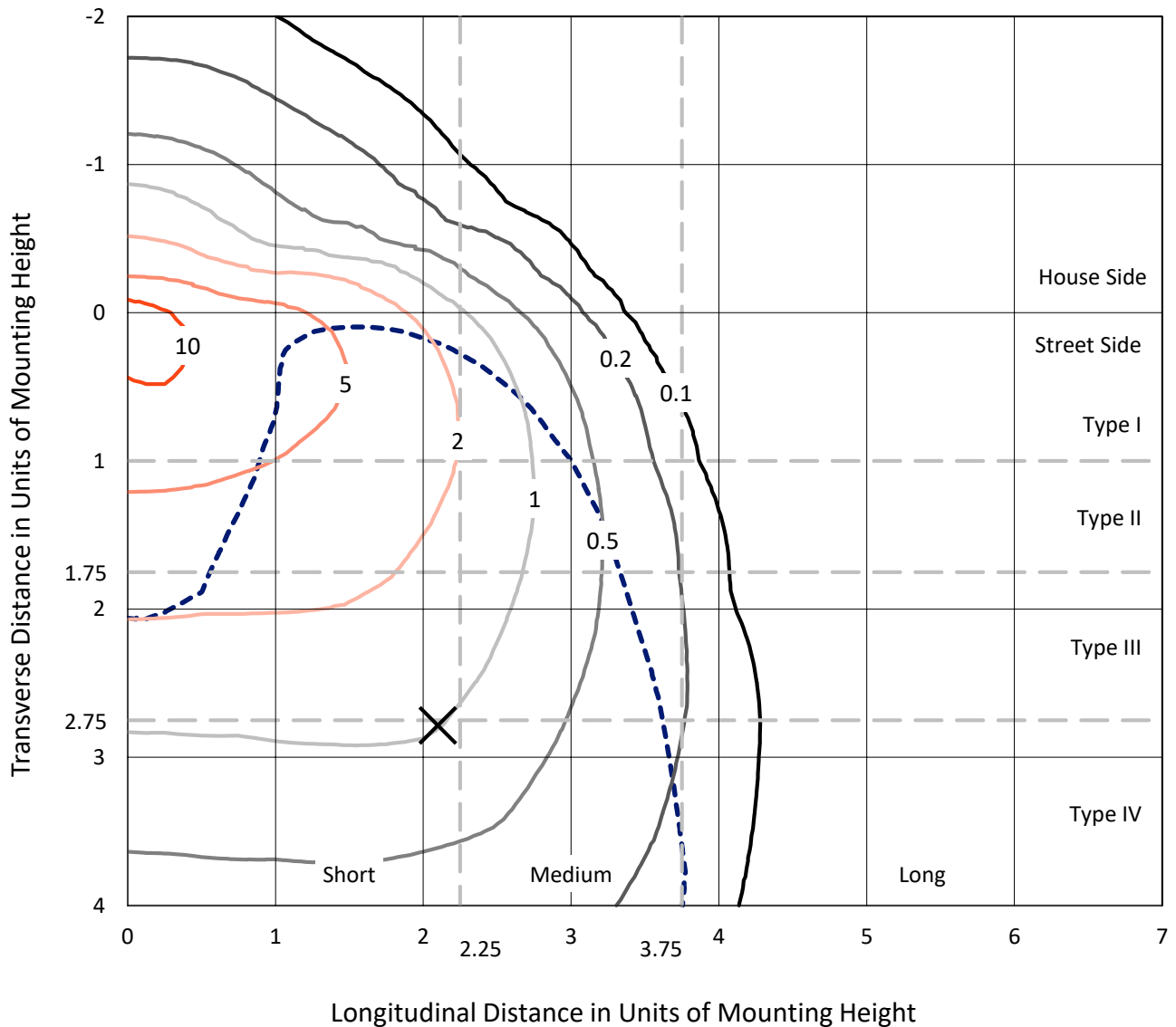
Input Watts (W): 374
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P319963
 CATALOG NUMBER: GAN-SA9B-730-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

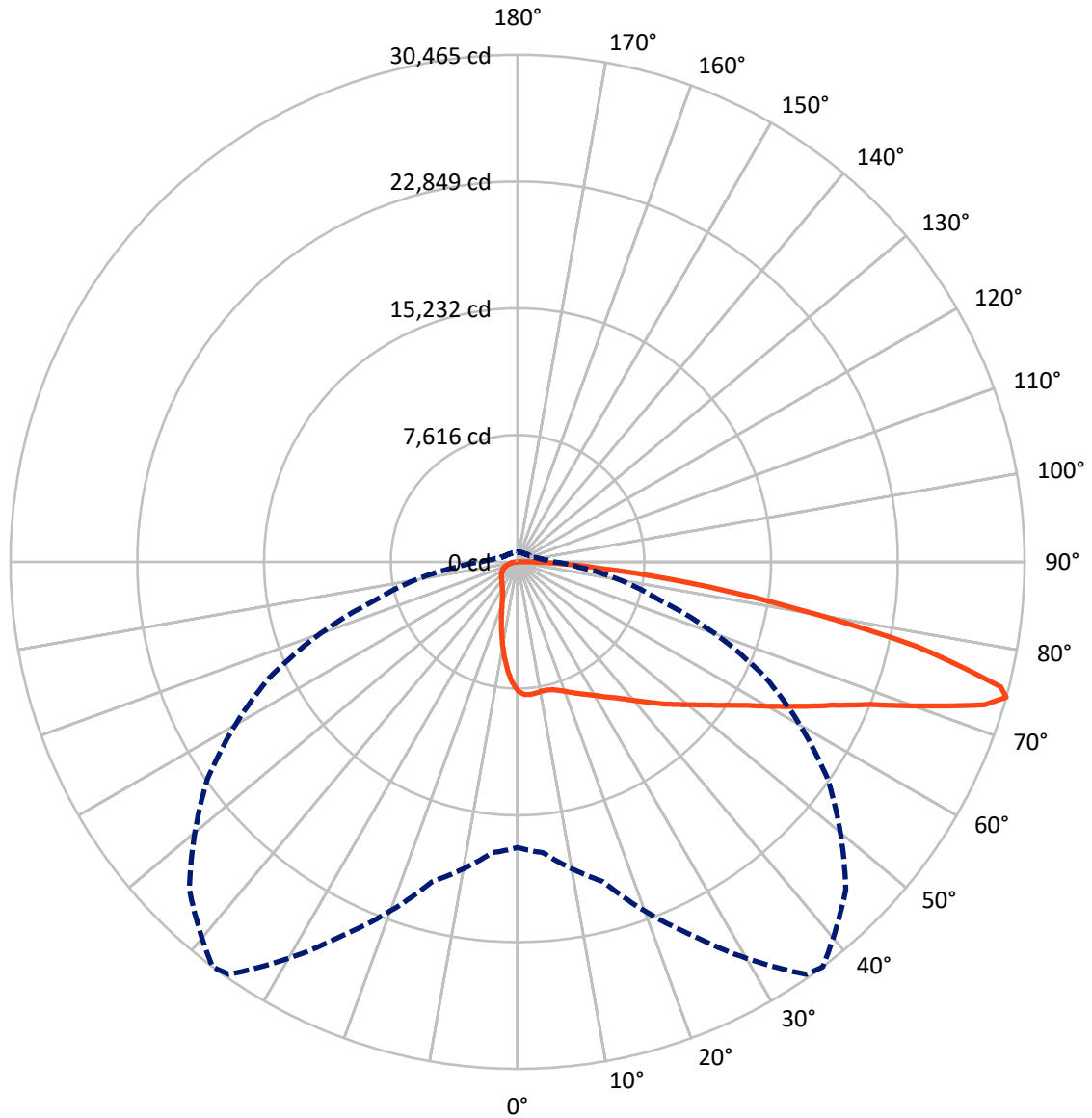
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 fc
 Type IV - Short - N/A

REPORT NUMBER: P319963
CATALOG NUMBER: GAN-SA9B-730-U-SL4

Luminous Intensity Polar Plot



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

REPORT NUMBER: P319963
 CATALOG NUMBER: GAN-SA9B-730-U-SL4

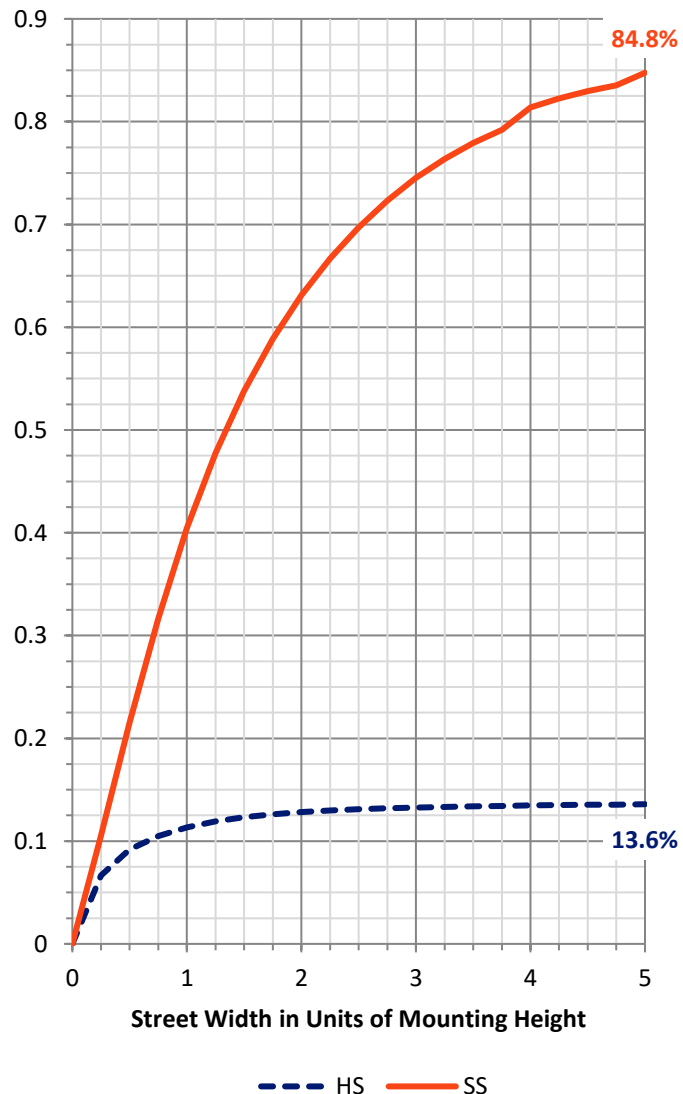
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6083.1	0.0	6083.1
	% Fixture	13.8	0.0	13.8
Street Side	Lumens	38127.9	0.0	38127.9
	% Fixture	86.2	0.0	86.2
Total	Lumens	44211.0	0.0	44211.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	686.0	1.6
10°-20°	1758.3	4.0
20°-30°	2709.3	6.1
30°-40°	3939.7	8.9
40°-50°	5798.5	13.1
50°-60°	8143.0	18.4
60°-70°	10306.5	23.3
70°-80°	9075.3	20.5
80°-90°	1794.4	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°	44211.0	100.0
0°-180°	44211.0	100.0

Coefficient of Utilization



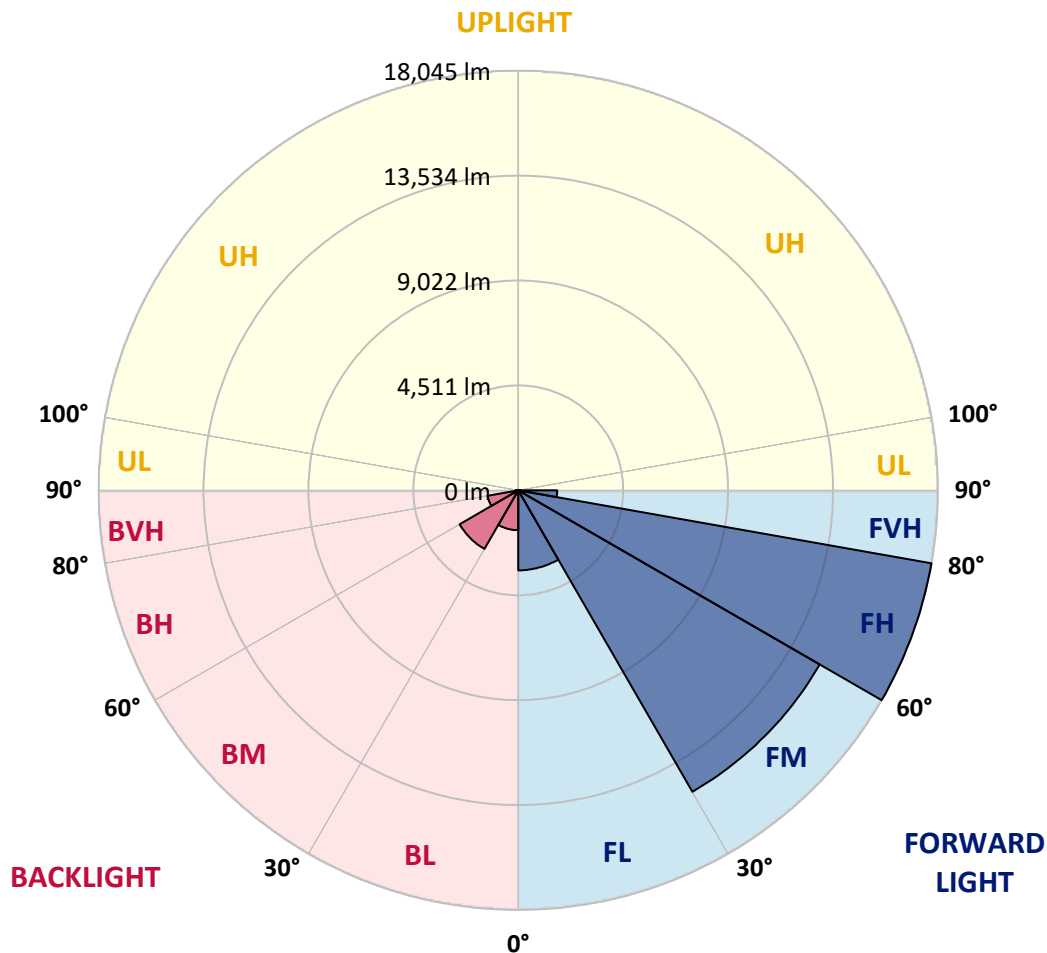
REPORT NUMBER: P319963
 CATALOG NUMBER: GAN-SA9B-730-U-SL4

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3440.1	7.8			
FM (30°-60°)	14970.2	33.9			
FH (60°-80°)	18044.7	40.8			G5
FVH (80°-90°)	1672.9	3.8			G5
BL (0°-30°)	1713.5	3.9	B3/2500		
BM (30°-60°)	2911.0	6.6	B3/5000		
BH (60°-80°)	1337.1	3.0	B3/2500		G3/2500
BVH (80°-90°)	121.5	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short





REPORT NUMBER: P319963

CATALOG NUMBER: GAN-SA9B-730-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	7789.8	7789.8	7789.8	7789.8	7789.8	7789.8	7789.8	7789.8	7789.8	7789.8	7789.8
2.5°	8056.1	8057.7	8056.1	8043.7	8014.1	7989.1	7968.9	7939.3	7873.9	7824.1	7749.3
5°	8132.4	8123.1	8116.8	8093.5	8046.8	8018.7	7979.8	7923.7	7816.3	7716.6	7595.1
7.5°	8096.6	8085.7	8071.7	8043.7	7990.7	7967.3	7912.8	7839.6	7710.4	7579.6	7405.1
10°	7986.0	7982.9	7976.7	7970.5	7925.3	7906.6	7856.8	7778.9	7651.2	7492.4	7288.3
12.5°	7863.0	7870.8	7895.7	7928.4	7908.2	7898.8	7867.7	7814.7	7683.9	7512.6	7266.5
15°	7785.1	7806.9	7873.9	7959.6	7976.7	7973.6	7965.8	7931.5	7792.9	7602.9	7316.4
17.5°	7758.7	7794.5	7922.2	8063.9	8113.7	8124.6	8127.7	8068.6	7914.4	7713.5	7367.8
20°	7806.9	7852.1	8039.0	8233.6	8313.1	8319.3	8305.3	8202.5	8029.6	7808.5	7395.8
22.5°	7953.3	7993.8	8227.4	8447.0	8537.3	8546.7	8504.6	8348.9	8151.1	7920.6	7434.7
25°	8235.2	8285.0	8518.6	8738.2	8784.9	8786.5	8725.8	8532.7	8310.0	8077.9	7518.8
27.5°	8602.7	8652.6	8862.8	9077.7	9052.8	9038.8	8956.3	8763.1	8517.1	8294.4	7668.3
30°	9012.3	9066.8	9266.2	9418.8	9359.6	9331.6	9264.6	9015.4	8805.2	8590.3	7897.3
32.5°	9435.9	9485.7	9660.2	9764.5	9689.8	9677.3	9576.1	9348.7	9180.5	9041.9	8267.9
35°	9870.4	9906.2	10077.5	10136.7	10037.0	10033.9	10005.9	9797.2	9691.3	9756.7	8806.7
37.5°	10314.3	10323.6	10470.0	10473.1	10443.5	10456.0	10485.6	10354.7	10384.3	10588.3	9507.6
40°	10709.8	10734.7	10840.6	10873.3	10924.7	10968.3	11116.3	11030.6	11259.6	11620.9	10379.7
42.5°	11002.6	11050.9	11220.6	11304.7	11471.4	11539.9	11748.6	11828.0	12289.0	12830.9	11416.8
45°	11250.2	11325.0	11597.5	11770.4	12052.2	12172.2	12471.2	12737.5	13452.3	14143.7	12508.5
47.5°	11518.1	11613.1	11954.1	12284.3	12667.4	12802.9	13346.4	13745.1	14693.5	15464.4	13537.9
50°	11912.1	11985.3	12318.5	12837.1	13315.2	13489.7	14241.9	14813.4	15954.9	16722.7	14430.3
52.5°	12461.8	12433.8	12715.7	13442.9	14084.6	14299.5	15198.1	15950.3	17233.5	17861.1	15184.0
55°	13014.7	12968.0	13165.7	14076.8	14981.6	15207.4	16250.8	17091.8	18449.8	18885.8	15761.8
57.5°	13629.8	13541.1	13707.7	14791.6	16003.2	16272.6	17429.7	18305.0	19645.8	19714.3	16129.4
60°	14263.7	14143.7	14330.6	15677.7	17300.5	17618.2	18809.5	19488.5	20773.3	20377.8	16247.7
62.5°	14818.1	14734.0	15022.1	16666.6	18762.8	19111.7	20164.4	20746.9	21885.3	20653.4	15821.0
65°	15302.4	15316.4	15814.8	17778.6	20393.3	20765.6	21718.6	22298.0	22760.5	20489.9	14822.7
67.5°	15880.2	15959.6	16809.9	19242.5	22445.9	22853.9	23979.9	23989.2	23249.5	19530.6	12857.4
70°	16722.7	16886.2	18178.8	21273.2	25364.4	25925.0	26794.0	24982.8	22562.7	16929.8	10116.5
72.5°	17470.2	17775.5	19634.9	23596.8	28921.3	29346.5	28440.1	24409.7	19692.5	12687.6	6302.5
74°	17166.5	17545.0	19899.7	24741.4	30260.6	30464.7	27884.1	22737.1	16419.0	8786.5	3662.9
75°	16512.5	16923.6	19513.5	24730.5	30090.9	29977.2	26541.7	20826.3	13522.4	5992.6	2437.2
77.5°	13326.1	13760.6	16442.4	21195.4	24672.9	24565.5	20388.7	13970.9	5922.6	1965.4	1238.1
80°	7747.8	8079.5	10206.8	13460.1	16637.0	16831.7	13408.7	6913.0	2329.8	1104.2	839.4
82.5°	3441.7	3670.6	4930.5	6871.0	10040.2	10290.9	7022.0	3622.4	1439.0	671.2	504.6
85°	2258.1	2427.9	2993.2	3272.0	4781.0	4952.3	3437.0	2820.3	950.0	369.1	370.6
87.5°	1624.3	1787.8	2223.9	1942.0	2194.3	2077.5	1870.4	2610.1	381.5	210.2	124.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P319963
 CATALOG NUMBER: GAN-SA9B-730-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7789.8	7789.8	7789.8	7789.8	7789.8	7789.8	7789.8	7789.8	7789.8	7789.8	7789.8
2.5°	7716.6	7691.7	7635.6	7529.7	7470.6	7420.7	7338.2	7289.9	7268.1	7266.5	7275.9
5°	7525.1	7467.4	7322.6	7145.1	7003.4	6874.1	6713.7	6617.1	6548.6	6508.1	6519.0
7.5°	7302.4	7212.0	6984.7	6701.2	6473.9	6223.1	5975.5	5827.6	5712.3	5626.7	5642.2
10°	7149.7	7025.2	6693.4	6285.4	5907.0	5542.6	5201.5	4997.5	4835.5	4710.9	4720.3
12.5°	7098.3	6930.2	6470.7	5925.7	5394.6	4896.3	4450.9	4137.8	3971.2	3829.5	3840.4
15°	7106.1	6880.3	6283.9	5601.7	4933.6	4306.0	3765.6	3399.7	3173.9	3075.7	3077.3
17.5°	7112.4	6822.7	6087.6	5254.5	4477.3	3754.7	3167.6	2797.0	2583.6	2493.3	2494.9
20°	7092.1	6729.3	5844.7	4855.8	4000.8	3248.6	2680.2	2365.6	2203.6	2133.6	2133.6
22.5°	7065.6	6618.7	5570.6	4455.5	3530.5	2809.4	2331.3	2091.5	1998.1	1951.3	1949.8
25°	7078.1	6536.1	5290.3	4044.4	3097.5	2459.0	2099.3	1940.4	1878.2	1848.6	1847.0
27.5°	7145.1	6497.2	5031.8	3634.8	2719.1	2195.8	1943.6	1831.4	1790.9	1772.3	1772.3
30°	7266.5	6497.2	4762.3	3286.0	2404.5	2001.2	1823.6	1747.3	1719.3	1706.8	1706.8
32.5°	7478.3	6533.0	4502.3	2940.3	2153.8	1848.6	1724.0	1672.6	1650.8	1644.5	1644.5
35°	7842.8	6654.5	4248.4	2613.2	1951.3	1724.0	1629.0	1599.4	1583.8	1582.3	1586.9
37.5°	8355.1	6902.1	4010.1	2371.8	1808.1	1622.7	1549.6	1526.2	1516.8	1524.6	1530.9
40°	8999.9	7238.5	3793.7	2153.8	1699.1	1541.8	1476.4	1460.8	1456.1	1467.0	1476.4
42.5°	9778.5	7693.3	3616.1	1996.5	1615.0	1473.2	1414.1	1395.4	1390.7	1403.2	1415.6
45°	10621.0	8182.3	3491.6	1879.7	1549.6	1421.8	1359.6	1339.3	1330.0	1336.2	1350.2
47.5°	11387.3	8644.8	3441.7	1797.2	1487.3	1378.2	1311.3	1286.4	1270.8	1267.7	1278.6
50°	12033.6	8989.0	3465.1	1747.3	1437.4	1330.0	1264.6	1236.5	1213.2	1199.2	1206.9
52.5°	12503.9	9205.4	3486.9	1725.5	1398.5	1277.0	1213.2	1186.7	1155.5	1132.2	1132.2
55°	12844.9	9255.3	3438.6	1708.4	1368.9	1219.4	1155.5	1130.6	1099.5	1073.0	1069.9
57.5°	12978.9	9115.1	3259.5	1683.5	1348.7	1164.9	1094.8	1076.1	1049.6	1018.5	1016.9
60°	12798.2	8682.2	2913.8	1630.5	1322.2	1119.7	1034.1	1021.6	1009.2	979.6	978.0
62.5°	12072.5	7732.2	2466.8	1523.1	1269.2	1071.4	978.0	984.2	985.8	965.5	962.4
65°	10756.5	6427.1	2030.8	1382.9	1189.8	1013.8	920.4	950.0	967.1	964.0	959.3
67.5°	8844.1	5002.2	1720.9	1235.0	1085.5	934.4	858.1	892.4	906.4	917.3	914.2
70°	6564.2	3527.4	1423.4	1079.2	959.3	841.0	777.1	794.2	784.9	797.4	802.0
72.5°	3659.7	2116.4	1160.2	923.5	828.5	731.9	686.8	683.7	663.4	663.4	663.4
74°	2195.8	1552.7	1020.1	826.9	749.1	660.3	621.4	607.4	588.7	590.2	588.7
75°	1766.0	1334.6	936.0	763.1	693.0	618.3	579.3	560.6	546.6	546.6	545.1
77.5°	1115.1	1013.8	753.8	607.4	554.4	509.2	482.8	457.9	457.9	456.3	454.7
80°	842.5	806.7	587.1	459.4	425.2	390.9	373.8	362.9	362.9	367.5	366.0
82.5°	577.8	607.4	412.7	320.8	303.7	278.8	275.6	277.2	272.5	266.3	264.7
85°	422.0	456.3	278.8	202.5	185.3	169.7	182.2	188.4	180.7	166.6	160.4
87.5°	162.0	299.0	149.5	84.1	77.9	67.0	77.9	81.0	87.2	68.5	70.1
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)