

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: P319704

Luminaire Tested: **GAN-SA0D-740-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319704
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0D-740-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 76805 lumens
Efficiency: N/A
Efficacy: 120.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

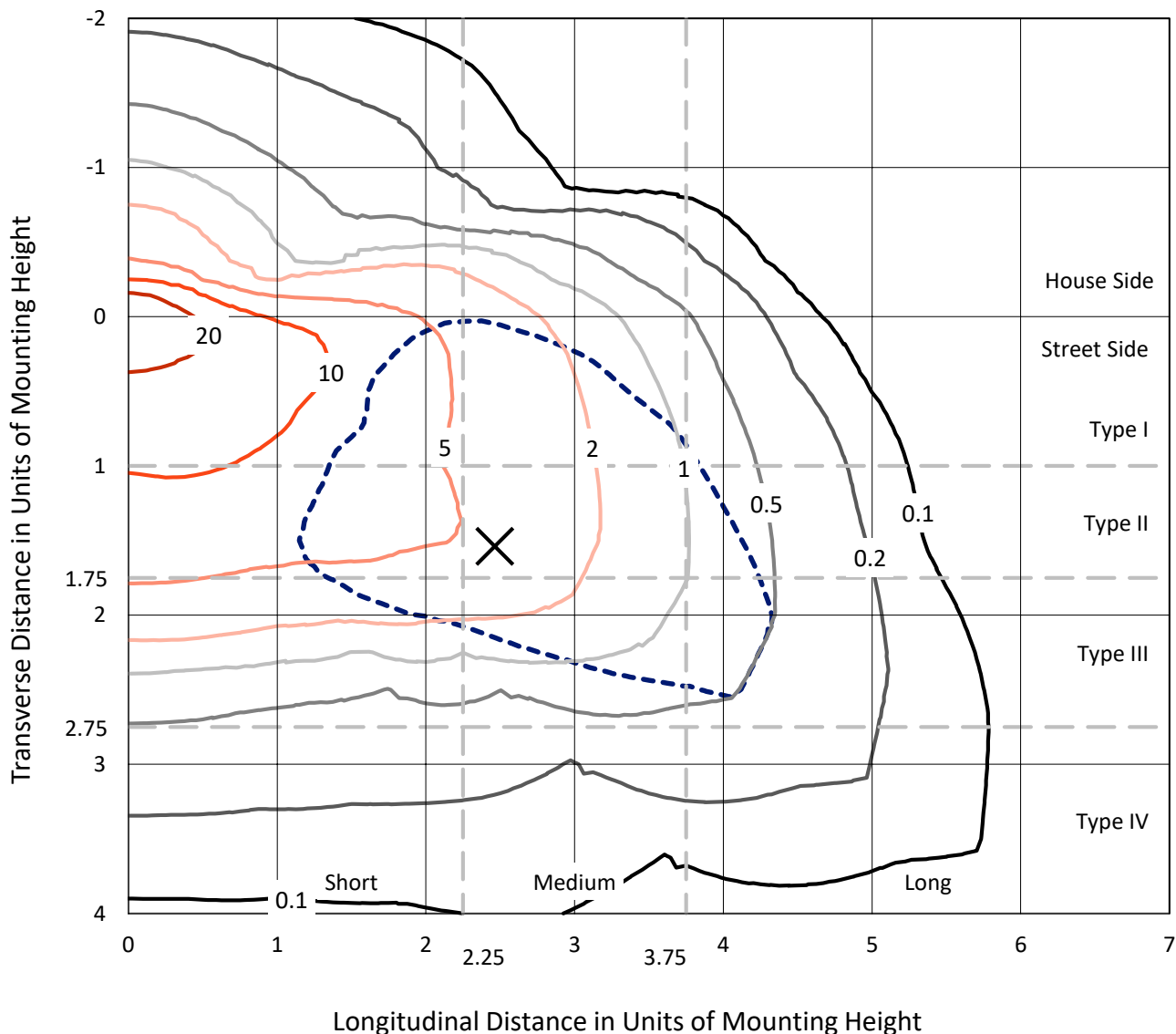
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P319704
 CATALOG NUMBER: GAN-SA0D-740-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

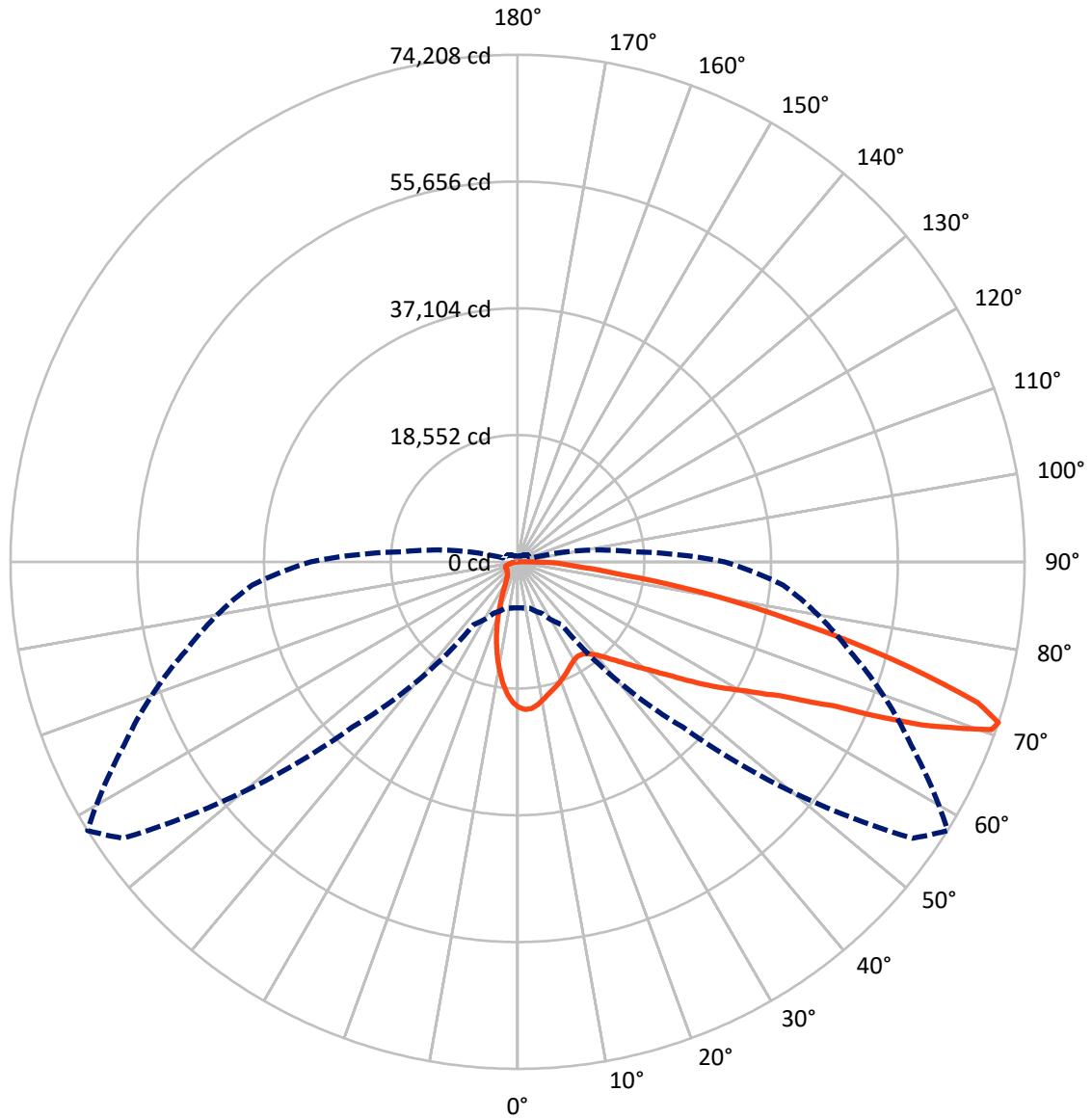
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 34 fc
 Type III - Medium - N/A

REPORT NUMBER: P319704
CATALOG NUMBER: GAN-SA0D-740-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P319704
 CATALOG NUMBER: GAN-SA0D-740-U-SL3

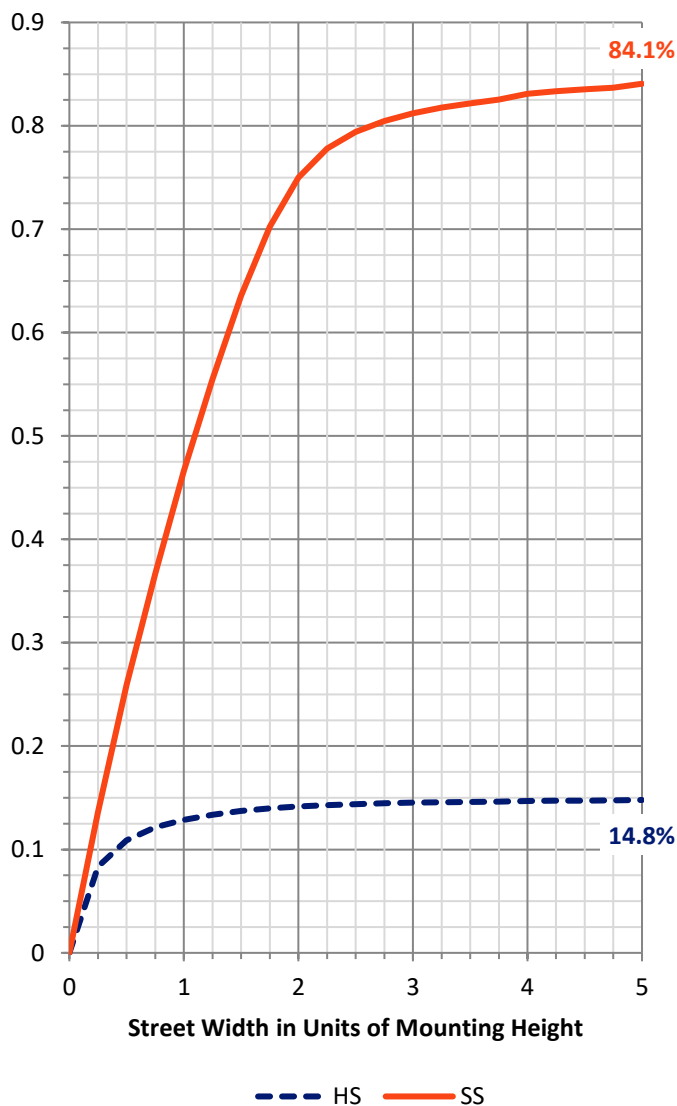
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11482.9	0.0	11482.9
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	65322.1	0.0	65322.1
	% Fixture	85.0	0.0	85.0
Total	Lumens	76805.0	0.0	76805.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1835.8	2.4
10°-20°	4082.2	5.3
20°-30°	5188.1	6.8
30°-40°	6608.5	8.6
40°-50°	9371.2	12.2
50°-60°	14502.3	18.9
60°-70°	19743.1	25.7
70°-80°	13170.9	17.1
80°-90°	2302.7	3.0
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°	76805.0	100.0
0°-180°	76805.0	100.0

Coefficient of Utilization



REPORT NUMBER: P319704

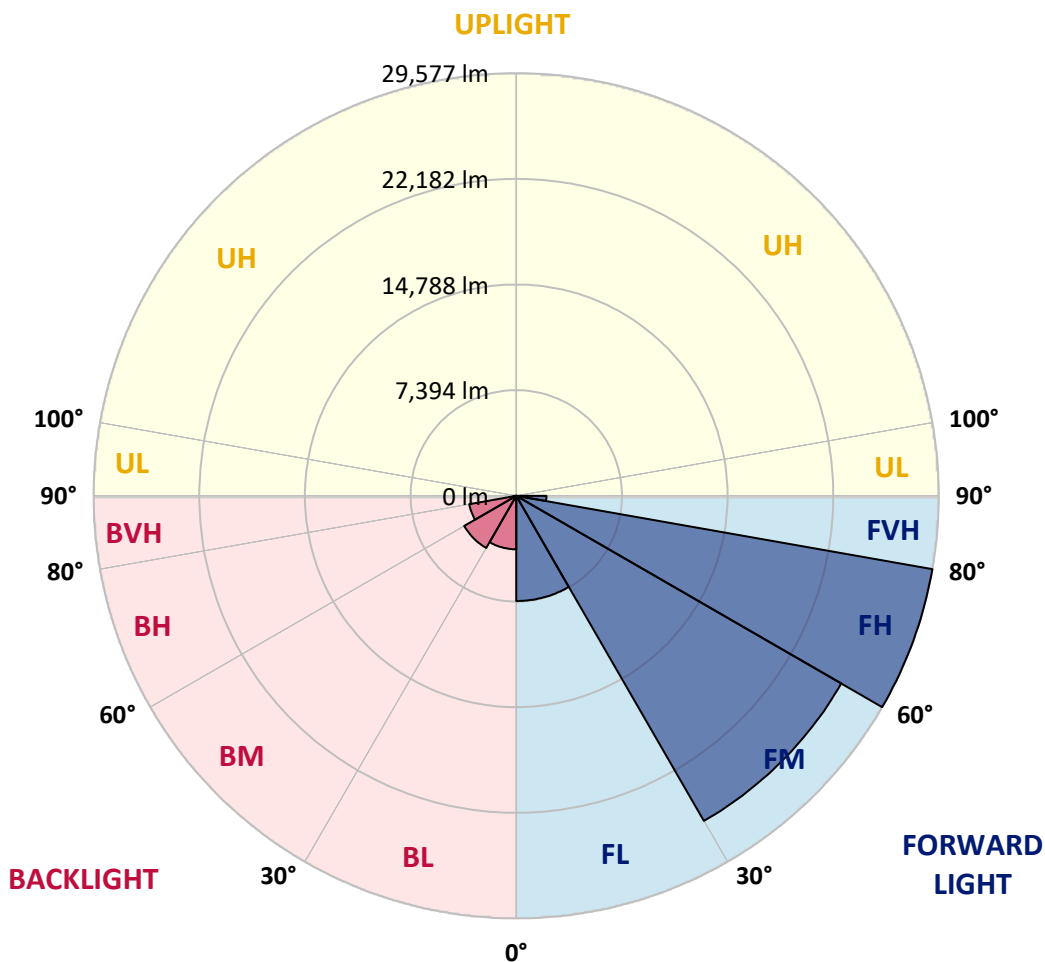
CATALOG NUMBER: GAN-SA0D-740-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7363.0	9.6			
FM (30°-60°)	26271.0	34.2			
FH (60°-80°)	29576.7	38.5			G5
FVH (80°-90°)	2111.4	2.7			G5
BL (0°-30°)	3743.1	4.9	B4/5000		
BM (30°-60°)	4211.1	5.5	B3/5000		
BH (60°-80°)	3337.4	4.3	B4/5000		G4/5000
BVH (80°-90°)	191.3	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Medium





REPORT NUMBER: P319704

CATALOG NUMBER: GAN-SA0D-740-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	21280.1	21280.1	21280.1	21280.1	21280.1	21280.1	21280.1	21280.1	21280.1	21280.1	21280.1
2.5°	21844.6	21815.2	21825.9	21804.5	21753.7	21702.8	21627.9	21641.3	21537.0	21381.8	21189.2
5°	21432.6	21421.9	21502.2	21547.7	21585.1	21555.7	21534.3	21561.0	21408.5	21194.5	20860.1
7.5°	20568.5	20450.7	20552.4	20704.9	20849.4	20959.1	21103.5	21122.3	21026.0	20801.2	20362.5
10°	19340.5	19228.1	19377.9	19616.0	19905.0	20167.2	20458.8	20512.3	20531.0	20327.7	19795.3
12.5°	18067.0	17981.4	18131.2	18465.6	18944.5	19348.5	19814.0	19894.3	20060.1	19923.7	19270.9
15°	16927.2	16895.1	17077.1	17406.1	17957.3	18575.3	19246.8	19394.0	19674.9	19629.4	18861.6
17.5°	15942.7	15934.7	16073.8	16418.9	17028.9	17810.1	18682.3	18931.1	19348.5	19402.0	18524.5
20°	15209.6	15193.6	15289.9	15544.1	16172.8	17058.3	18072.3	18414.8	19016.7	19204.0	18176.7
22.5°	14816.4	14813.7	14816.4	14936.7	15450.4	16274.4	17478.4	17895.7	18693.0	19046.2	17791.4
25°	14749.5	14741.4	14682.6	14669.2	14960.8	15619.0	16889.8	17350.0	18385.3	18936.5	17424.9
27.5°	14923.4	14934.1	14856.5	14730.7	14789.6	15188.2	16378.8	16871.1	18139.2	18915.1	17170.7
30°	15284.6	15279.2	15212.3	15081.2	14966.2	15027.7	16014.9	16507.2	17973.3	19008.7	16996.8
32.5°	15683.2	15712.6	15699.2	15627.0	15455.8	15209.6	15905.2	16386.8	17925.2	19233.4	16921.9
35°	16162.1	16194.2	16290.5	16346.7	16146.0	15750.1	16140.7	16558.0	18064.3	19656.2	17042.3
37.5°	16616.9	16699.8	16970.1	17208.2	17036.9	16595.5	16766.7	17063.7	18495.0	20322.3	17366.0
40°	17141.3	17213.5	17655.0	18160.6	18133.9	17676.4	17775.3	17973.3	19254.8	21277.4	17951.9
42.5°	17657.6	17802.1	18441.5	19158.5	19364.5	18960.5	19118.4	19222.7	20325.0	22542.9	18973.9
45°	18345.2	18500.4	19388.6	20252.8	20734.3	20506.9	20758.4	20798.5	21670.7	24265.9	20458.8
47.5°	19385.9	19562.5	20597.9	21504.9	22240.6	22264.7	22679.4	22663.3	23350.9	26237.6	22328.9
50°	21007.2	21261.4	22109.5	22957.6	23851.2	24348.8	24902.6	24825.0	25365.5	28337.8	24482.6
52.5°	23131.5	23249.2	23877.9	24504.0	25614.3	26729.9	27524.5	27454.9	27650.2	30496.9	26927.9
55°	25333.3	25421.6	25681.1	26023.6	27516.5	29335.7	31015.9	30906.2	30411.3	32738.9	29343.8
57.5°	27313.1	27492.4	27671.6	27813.4	29432.1	32059.3	34587.6	34595.6	33407.7	35157.4	31839.9
60°	27620.8	27778.7	28963.9	30082.2	32709.4	35692.5	38410.7	38330.4	36508.5	37782.0	34622.3
62.5°	24415.7	24771.5	26751.3	29726.4	35866.4	42338.2	43287.9	43189.0	40216.6	41016.5	37862.2
65°	17497.1	17901.1	20290.2	24760.8	34336.1	49660.7	52090.0	50757.7	45273.1	44994.9	41656.0
67.5°	10094.3	10190.6	11226.0	14816.4	26144.0	50043.3	65517.8	63653.1	53125.4	49508.2	43512.7
70°	7464.4	7461.7	7707.8	9117.8	14147.5	40842.6	71904.0	73576.1	61392.4	50993.1	40888.1
71°	6750.0	6758.1	7033.6	8299.1	11204.6	34186.2	70547.6	74207.5	63570.1	50260.0	38988.6
72.5°	5773.5	5800.3	6182.8	7443.0	9425.4	23575.6	64704.5	70419.2	64602.8	48451.5	36016.2
75°	4379.6	4441.2	4970.9	6273.8	8614.8	11956.4	47488.3	56231.5	57390.0	42752.9	26762.0
77.5°	3124.9	3194.4	3793.7	5275.9	8189.4	9010.7	31802.5	41016.5	42233.8	27398.8	12071.4
80°	1974.4	2057.4	2509.5	4197.7	7694.4	8555.9	19985.2	27570.0	23029.8	8767.3	3071.4
82.5°	1158.4	1222.7	1557.1	2742.3	6284.5	8240.2	11758.4	15281.9	8962.6	2648.6	1396.6
85°	671.5	701.0	971.2	1747.0	4564.2	7777.4	8638.9	8542.5	3890.0	1294.9	660.8
87.5°	313.0	347.8	575.2	912.3	2533.6	5637.1	6827.6	5899.3	2418.6	607.3	310.3
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: P319704
 CATALOG NUMBER: GAN-SA0D-740-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	21280.1	21280.1	21280.1	21280.1	21280.1	21280.1	21280.1	21280.1	21280.1	21280.1	21280.1
2.5°	21095.5	21050.0	20860.1	20691.5	20515.0	20284.9	20030.7	19998.6	19843.4	19872.9	19819.4
5°	20678.2	20563.1	20105.6	19690.9	19201.3	18762.6	18286.3	18067.0	17751.3	17729.9	17649.6
7.5°	20081.5	19867.5	19158.5	18372.0	17585.4	16836.3	16095.2	15608.3	15110.7	14899.3	14880.6
10°	19410.0	19046.2	18002.8	16839.0	15704.6	14610.4	13550.9	12767.0	12060.7	11726.3	11712.9
12.5°	18773.3	18235.5	16804.2	15220.3	13668.6	12250.6	10797.9	9767.9	8882.3	8585.4	8459.6
15°	18232.8	17475.7	15637.7	13612.4	11728.9	9759.9	8106.5	7022.9	6204.2	5920.7	5867.1
17.5°	17708.5	16734.6	14441.8	11988.5	9711.7	7547.3	5891.2	5085.9	4649.8	4534.8	4532.1
20°	17186.8	15972.1	13192.4	10327.0	7761.3	5645.1	4529.4	4168.3	4021.1	4007.7	3986.3
22.5°	16595.5	15164.2	11878.8	8660.3	6057.1	4438.5	3849.9	3705.4	3686.7	3734.9	3734.9
25°	16041.7	14361.5	10546.4	7028.3	4711.4	3702.8	3437.9	3408.5	3459.3	3544.9	3552.9
27.5°	15525.3	13588.3	9246.2	5578.2	3775.0	3261.3	3151.6	3186.4	3277.4	3376.4	3379.0
30°	15099.9	12858.0	7983.4	4395.7	3189.1	2932.2	2913.5	2983.1	3082.1	3159.6	3178.4
32.5°	14770.9	12234.6	6763.4	3534.2	2806.5	2686.1	2702.2	2761.0	2822.5	2865.4	2894.8
35°	14618.4	11699.5	5637.1	2980.4	2563.0	2496.1	2517.5	2549.7	2576.4	2608.5	2632.6
37.5°	14645.1	11284.8	4631.1	2635.3	2399.8	2365.1	2365.1	2365.1	2365.1	2381.1	2383.8
40°	14893.9	11046.7	3812.4	2415.9	2290.1	2252.7	2223.3	2196.5	2175.1	2185.8	2180.4
42.5°	15530.7	11025.3	3213.2	2276.8	2201.9	2140.3	2081.5	2044.0	2017.3	2028.0	2033.3
45°	16611.5	11292.9	2809.2	2177.8	2118.9	2025.3	1950.4	1910.2	1891.5	1926.3	1931.6
47.5°	18010.8	11876.1	2563.0	2105.5	2041.3	1918.3	1838.0	1800.5	1805.9	1856.7	1870.1
50°	19814.0	12823.2	2445.3	2060.1	1987.8	1827.3	1744.4	1712.3	1728.3	1800.5	1816.6
52.5°	21793.8	14187.6	2458.7	2046.7	1953.0	1760.4	1672.1	1634.7	1661.4	1728.3	1741.7
55°	24078.6	15827.7	2680.7	2065.4	1902.2	1717.6	1613.3	1549.1	1570.5	1632.0	1642.7
57.5°	26617.5	17705.8	3127.5	2060.1	1838.0	1677.5	1551.7	1455.4	1471.5	1508.9	1519.6
60°	29260.8	19974.5	3820.5	2076.1	1808.6	1629.3	1468.8	1348.4	1343.1	1375.2	1380.5
62.5°	32433.9	22599.1	4612.4	2086.8	1827.3	1567.8	1359.1	1241.4	1225.3	1233.4	1238.7
65°	35703.2	24498.6	4315.4	2044.0	1886.2	1517.0	1262.8	1137.0	1107.6	1102.3	1104.9
67.5°	35804.9	22462.6	3025.9	1958.4	1910.2	1490.2	1190.6	1048.8	1000.6	981.9	979.2
70°	32110.1	18248.9	2357.0	1867.4	1813.9	1447.4	1123.7	976.5	904.3	874.9	872.2
71°	30306.9	16798.8	2234.0	1821.9	1741.7	1404.6	1094.2	944.4	869.5	837.4	832.0
72.5°	27479.0	15059.8	2084.1	1749.7	1602.6	1294.9	1038.1	898.9	821.3	783.9	775.9
75°	19720.4	9848.1	1789.8	1559.8	1327.0	1032.7	909.6	808.0	741.1	695.6	690.3
77.5°	7598.1	3919.5	1353.8	1297.6	1016.7	808.0	749.1	698.3	650.1	604.6	602.0
80°	2349.0	1752.4	987.2	976.5	735.7	602.0	583.2	569.9	551.1	503.0	492.3
82.5°	1254.8	1005.9	679.6	631.4	481.6	401.3	422.7	428.1	430.7	379.9	374.6
85°	599.3	532.4	382.6	358.5	280.9	224.7	259.5	280.9	283.6	232.8	216.7
87.5°	286.3	278.2	179.3	136.4	104.3	74.9	91.0	112.4	123.1	88.3	77.6
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)