

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: P322897

Luminaire Tested: **GAN-SA3D-740-U-T4W-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322897
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3D-740-U-T4W-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17169 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G4

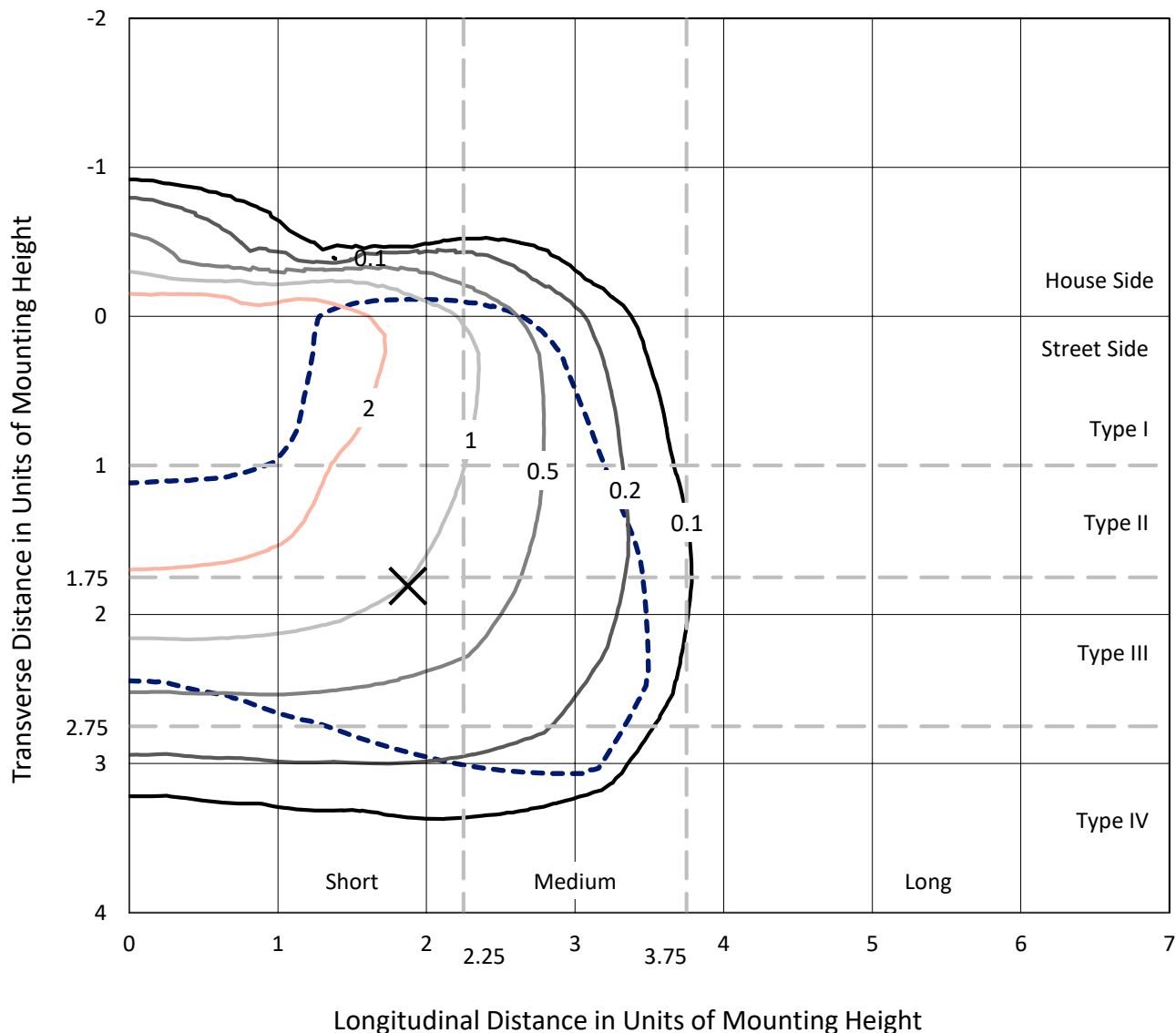
Input Watts (W): 191
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P322897
 CATALOG NUMBER: GAN-SA3D-740-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

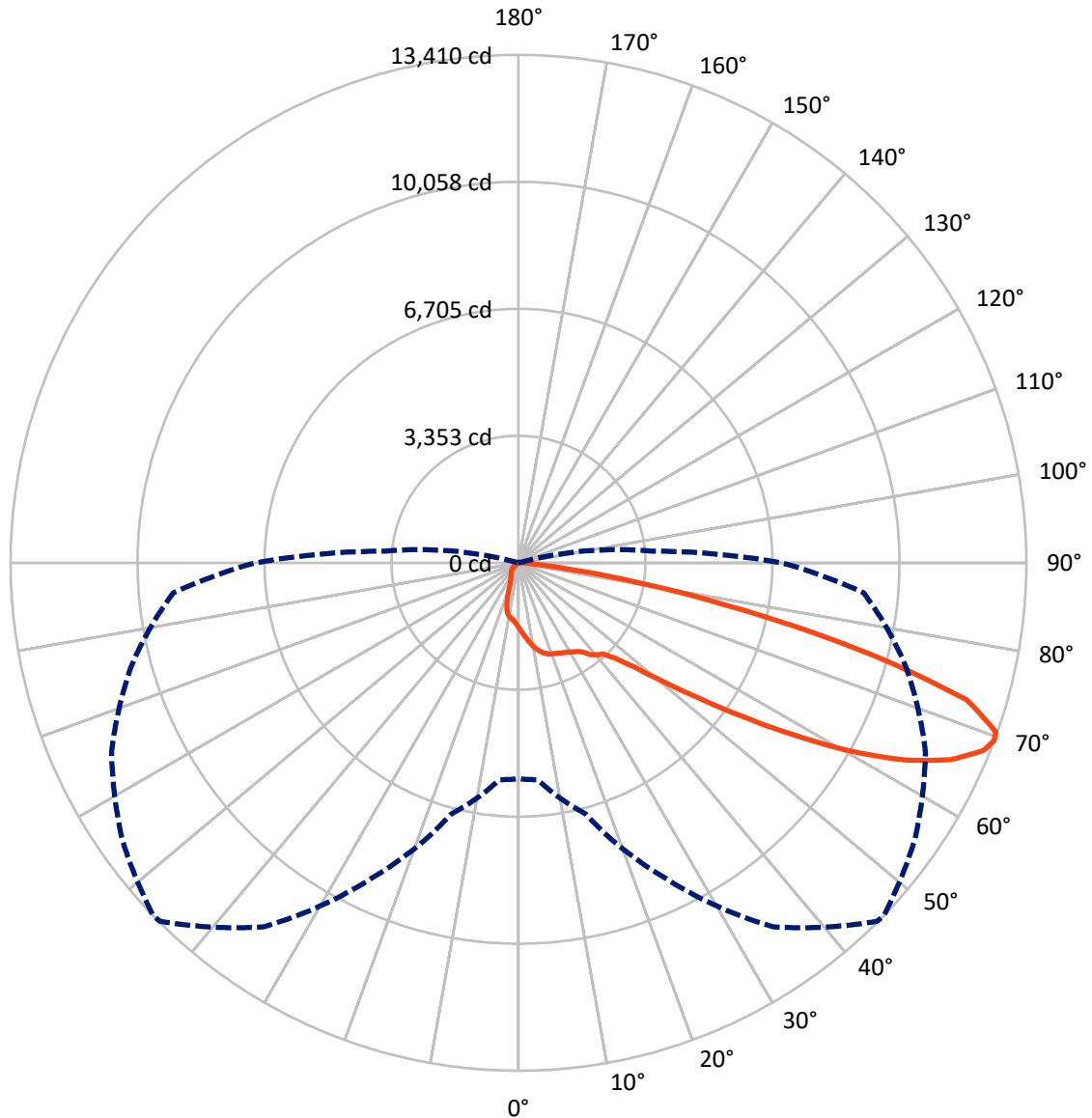
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type IV - Short - N/A

REPORT NUMBER: P322897
CATALOG NUMBER: GAN-SA3D-740-U-T4W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P322897
 CATALOG NUMBER: GAN-SA3D-740-U-T4W-HSS

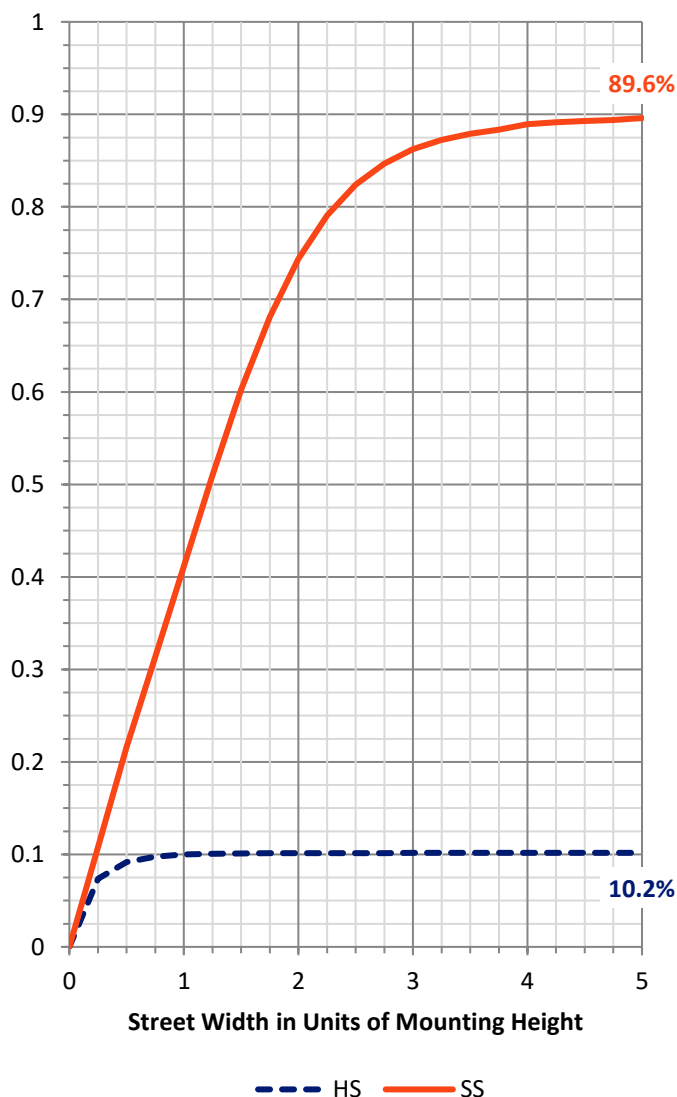
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1762.0	0.0	1762.0
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	15407.0	0.0	15407.0
	% Fixture	89.7	0.0	89.7
Total	Lumens	17169.0	0.0	17169.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.2	1.0
10°-20°	519.5	3.0
20°-30°	816.9	4.8
30°-40°	1171.5	6.8
40°-50°	2024.8	11.8
50°-60°	4000.1	23.3
60°-70°	5590.5	32.6
70°-80°	2700.8	15.7
80°-90°	173.6	1.0
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°	17169.0	100.0
0°-180°	17169.0	100.0

Coefficient of Utilization

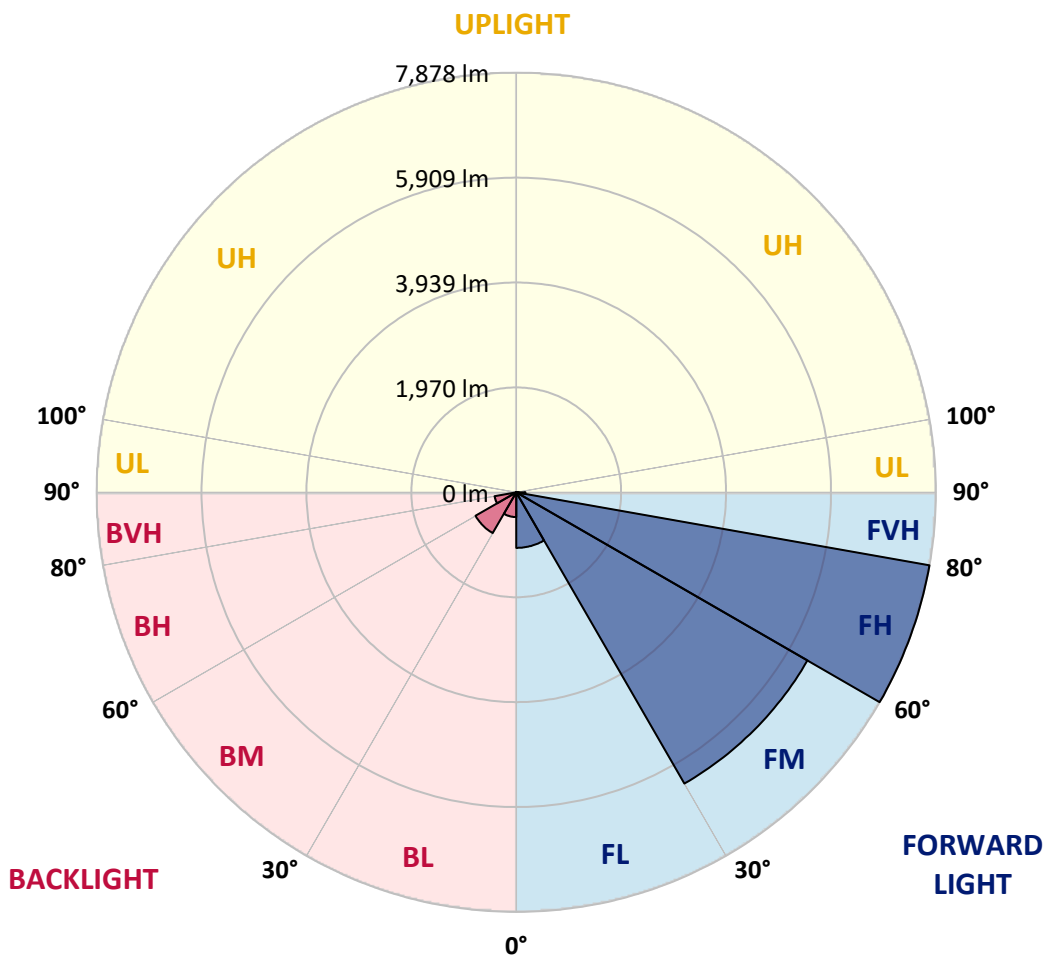


REPORT NUMBER: P322897
 CATALOG NUMBER: GAN-SA3D-740-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1043.2	6.1			
FM (30°-60°)	6313.4	36.8			
FH (60°-80°)	7878.2	45.9			G4/12000
FVH (80°-90°)	172.1	1.0			G2/225
BL (0°-30°)	464.4	2.7	B1/500		
BM (30°-60°)	883.0	5.1	B1/1000		
BH (60°-80°)	413.2	2.4	B1/500		G1/500
BVH (80°-90°)	1.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G4
 Type IV Short





REPORT NUMBER: P322897

CATALOG NUMBER: GAN-SA3D-740-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1720.3	1720.3	1720.3	1720.3	1720.3	1720.3	1720.3	1720.3	1720.3	1720.3	1720.3
2.5°	1911.1	1908.6	1897.4	1892.5	1865.2	1849.1	1842.6	1822.5	1793.5	1764.5	1732.3
5°	2128.4	2127.6	2106.7	2086.5	2035.0	1986.7	1977.9	1931.2	1866.0	1804.8	1743.6
7.5°	2350.6	2340.1	2319.2	2280.5	2205.7	2128.4	2121.2	2055.1	1962.6	1874.0	1786.3
10°	2538.9	2532.5	2505.1	2446.4	2358.6	2270.9	2262.0	2180.7	2076.1	1967.4	1855.5
12.5°	2685.5	2680.6	2644.4	2571.1	2477.8	2386.8	2374.7	2302.3	2190.4	2068.8	1936.8
15°	2774.8	2772.4	2728.1	2650.0	2558.3	2479.4	2468.9	2405.3	2301.5	2174.3	2025.4
17.5°	2795.7	2796.5	2750.7	2671.8	2596.1	2539.8	2531.7	2483.4	2396.5	2270.1	2113.9
20°	2749.1	2758.7	2717.7	2649.2	2602.5	2572.8	2566.3	2537.3	2464.1	2344.9	2184.8
22.5°	2683.0	2687.9	2659.7	2613.8	2594.5	2600.1	2596.9	2580.8	2518.8	2409.3	2254.8
25°	2642.8	2642.8	2625.9	2587.2	2600.1	2634.7	2635.5	2632.3	2583.2	2488.2	2340.1
27.5°	2641.2	2636.4	2617.0	2588.1	2623.5	2676.6	2679.8	2701.6	2671.0	2584.0	2446.4
30°	2705.6	2699.9	2658.9	2621.1	2666.1	2723.3	2731.3	2778.8	2763.5	2687.9	2564.7
32.5°	2856.1	2836.0	2745.0	2683.0	2716.9	2785.3	2795.7	2871.4	2895.6	2815.9	2679.0
35°	3062.2	2998.6	2867.4	2800.6	2803.8	2875.4	2885.1	2996.2	3067.8	2933.4	2767.6
37.5°	3346.4	3315.0	3101.6	2922.9	2937.4	3046.1	3074.3	3195.0	3174.9	2997.8	2868.2
40°	3969.4	3920.3	3693.3	3265.9	3065.4	3184.6	3193.4	3257.8	3259.4	3143.5	3077.5
42.5°	4817.9	4797.8	4558.7	3888.1	3317.4	3277.1	3293.2	3401.9	3523.5	3451.0	3447.8
45°	5757.3	5746.8	5493.3	4714.0	3826.9	3580.6	3600.7	3746.4	3979.1	3995.2	4097.4
47.5°	6513.2	6508.4	6362.7	5635.8	4607.0	4095.0	4101.4	4256.0	4664.9	4867.0	5030.4
50°	7202.3	7225.6	7110.5	6633.1	5669.6	4900.8	4885.5	4988.5	5645.4	5976.3	6179.1
52.5°	8160.2	8193.2	7870.4	7563.7	6784.5	5900.6	5888.5	5996.4	6823.9	7071.9	7108.1
55°	9006.3	8949.9	8694.7	8606.2	8144.1	7135.5	7132.2	7227.2	7963.8	8069.2	8136.1
57.5°	9379.8	9358.0	9481.2	9684.1	9568.1	8594.9	8587.7	8515.2	8983.7	8995.0	9200.3
60°	9615.6	9642.2	10019.7	10645.2	10934.2	10165.4	10118.8	9676.8	9957.8	9932.8	10152.6
62.5°	9438.5	9490.9	10170.3	11212.7	11956.6	11536.4	11470.3	10741.0	10790.1	10704.0	10908.5
65°	8498.3	8579.6	9692.9	11105.7	12463.7	12607.8	12541.0	11680.4	11451.0	11309.3	11195.8
67.5°	6900.4	6948.7	8111.1	10174.3	12235.1	13247.0	13233.3	12504.0	11950.1	11207.1	10326.4
69°	5702.6	5750.1	6869.0	9193.8	11732.0	13383.8	13410.4	12768.0	11855.1	10585.7	9149.5
70°	4830.0	4880.7	5923.1	8353.4	11148.3	13320.2	13367.7	12743.0	11583.0	9866.0	8116.7
72.5°	2533.3	2576.8	3646.6	5754.9	9088.4	12231.1	12375.2	11666.0	9818.5	7165.2	4799.4
75°	796.1	821.1	1424.0	3008.3	6222.6	9510.2	9543.2	9151.2	6972.0	3941.2	1998.8
77.5°	303.5	296.2	474.1	1108.5	3145.9	5988.3	6190.4	5718.7	3658.7	1393.4	461.3
80°	163.4	164.2	246.3	458.8	1345.9	3077.5	3248.1	2771.6	1300.1	434.7	106.3
82.5°	70.8	74.1	138.5	243.1	618.2	1135.0	1220.4	1015.9	496.7	292.2	39.4
85°	15.3	16.9	66.8	132.0	252.0	318.8	334.1	329.2	316.4	227.0	15.3
87.5°	0.0	0.0	29.8	47.5	63.6	72.4	63.6	82.9	174.7	152.9	8.0
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: P322897

CATALOG NUMBER: GAN-SA3D-740-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1720.3	1720.3	1720.3	1720.3	1720.3	1720.3	1720.3	1720.3	1720.3	1720.3	1720.3
2.5°	1721.9	1707.4	1682.4	1655.1	1635.7	1615.6	1599.5	1592.3	1584.2	1578.6	1585.8
5°	1718.7	1690.5	1642.2	1595.5	1561.7	1534.3	1511.8	1502.9	1494.1	1487.6	1486.8
7.5°	1746.8	1707.4	1633.3	1564.9	1512.6	1475.6	1445.0	1432.1	1421.6	1416.8	1412.8
10°	1800.8	1750.1	1651.0	1561.7	1494.1	1431.3	1365.3	1314.6	1281.5	1266.3	1260.6
12.5°	1870.8	1807.2	1684.8	1578.6	1480.4	1359.6	1219.6	1098.8	1020.7	995.0	979.7
15°	1952.9	1874.0	1729.1	1600.3	1430.5	1209.9	972.4	814.7	742.2	727.7	711.6
17.5°	2031.8	1944.9	1782.3	1604.4	1321.0	966.8	712.4	605.4	577.2	586.8	589.3
20°	2101.0	2014.9	1834.6	1568.9	1122.2	725.3	551.4	524.9	535.3	553.8	557.1
22.5°	2171.1	2082.5	1882.9	1475.6	867.8	550.6	496.7	503.1	513.6	532.1	535.3
25°	2256.4	2164.6	1928.0	1304.1	651.2	468.5	471.7	481.4	491.9	508.8	510.4
27.5°	2354.6	2268.5	1957.7	1081.1	483.0	430.7	441.1	455.6	466.1	482.2	485.4
30°	2485.0	2405.3	1967.4	850.1	404.9	396.9	401.7	419.4	434.7	449.2	451.6
32.5°	2607.4	2540.6	1935.2	641.6	375.1	365.5	365.5	375.9	393.6	407.3	410.5
35°	2720.1	2676.6	1832.2	469.3	352.6	336.5	328.4	328.4	339.7	351.0	354.2
37.5°	2869.0	2867.4	1665.5	374.3	330.9	312.3	295.4	282.6	278.5	280.9	282.6
40°	3124.2	3126.6	1448.2	335.7	312.3	287.4	261.6	238.3	216.5	209.3	208.5
42.5°	3522.6	3486.4	1220.4	317.2	296.2	261.6	223.0	191.6	157.8	147.3	146.5
45°	4155.4	3940.4	978.9	300.3	279.3	232.6	184.3	141.7	114.3	106.3	106.3
47.5°	5077.1	4536.9	758.3	281.7	256.8	199.6	139.3	102.2	83.7	79.7	80.5
50°	6030.2	5121.4	581.2	258.4	229.4	165.0	103.0	74.1	63.6	63.6	64.4
52.5°	6875.4	5549.6	453.2	233.4	195.6	129.6	78.1	58.0	53.1	52.3	53.1
55°	7666.8	5825.7	347.0	204.5	155.4	96.6	59.6	47.5	44.3	42.7	41.9
57.5°	8429.9	5962.6	260.0	165.0	112.7	70.0	47.5	40.2	37.0	34.6	33.8
60°	8937.8	5851.5	178.7	121.6	78.1	50.7	39.4	34.6	30.6	28.2	27.4
62.5°	9224.4	5548.0	115.1	87.7	55.5	37.8	31.4	29.0	23.3	20.9	20.9
65°	9108.5	5047.3	80.5	62.8	40.2	28.2	23.3	23.3	16.9	13.7	12.9
67.5°	8071.7	4264.0	61.2	46.7	29.0	20.9	17.7	20.1	10.5	6.4	6.4
69°	6944.7	3533.9	52.3	38.6	24.1	16.9	15.3	18.5	7.2	4.8	4.0
70°	6035.8	3048.5	47.5	33.8	20.1	14.5	13.7	17.7	7.2	4.0	3.2
72.5°	3611.2	1700.1	36.2	24.1	12.9	11.3	11.3	20.1	7.2	4.0	3.2
75°	1459.5	598.9	26.6	16.9	9.7	9.7	13.7	25.8	6.4	3.2	2.4
77.5°	330.9	131.2	15.3	10.5	6.4	9.7	16.1	20.1	4.0	1.6	0.0
80°	80.5	32.2	9.7	6.4	4.0	7.2	12.1	11.3	0.8	0.0	0.0
82.5°	26.6	11.3	4.0	3.2	0.8	2.4	5.6	3.2	0.0	0.0	0.0
85°	11.3	6.4	1.6	0.8	0.0	0.0	0.8	0.0	0.0	0.0	0.0
87.5°	7.2	2.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)