

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: P522714

Luminaire Tested: **GLAN-SA3D-730-U-T4W**

Issue Date: 5/13/2021

Test Information

Test Method: LM-79-08
Report Number: P522714
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2011-042-41)
Test Lab: INNOVATION CENTER
Issue Date: 5/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3D-730-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21047 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 184
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

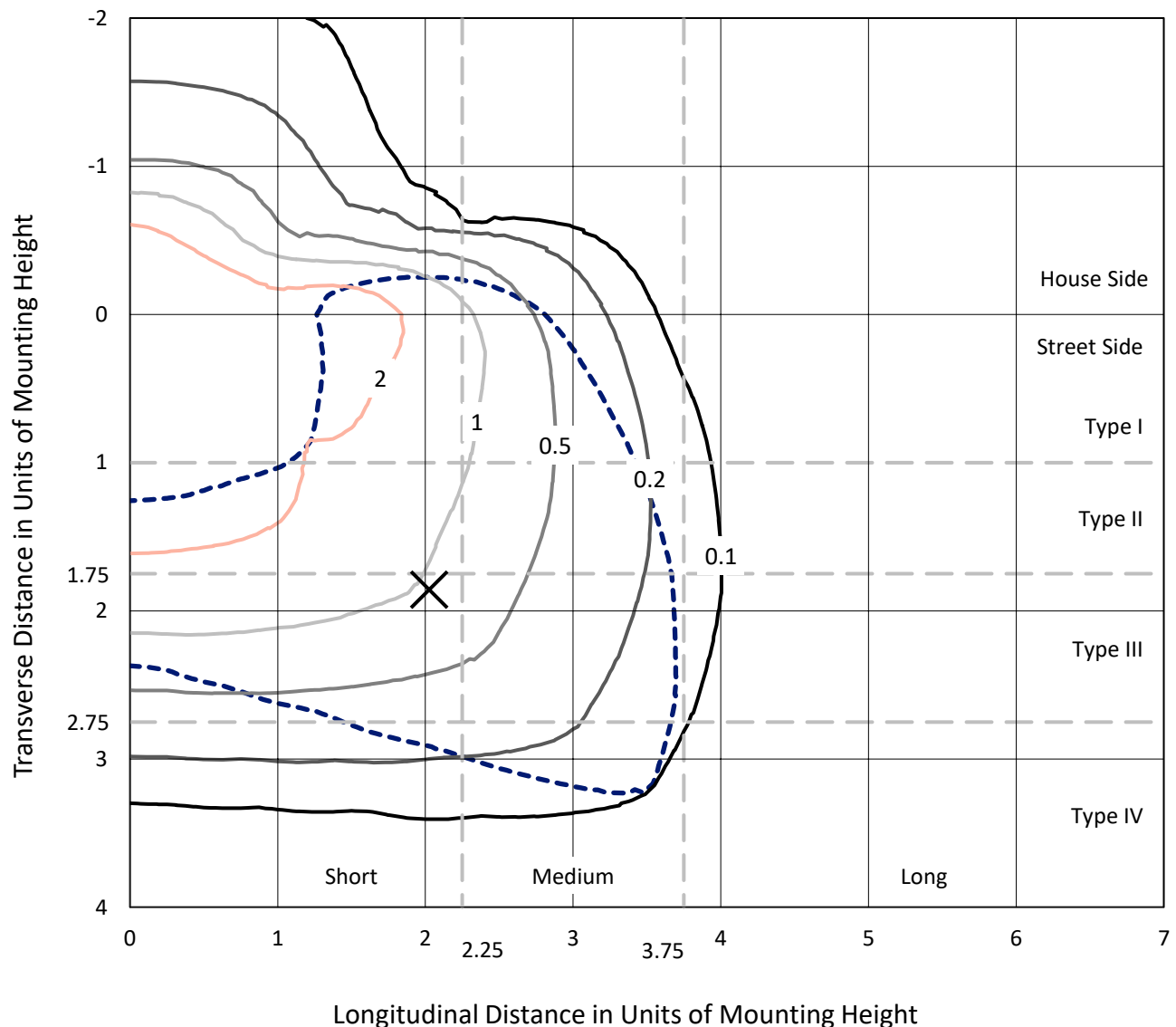


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

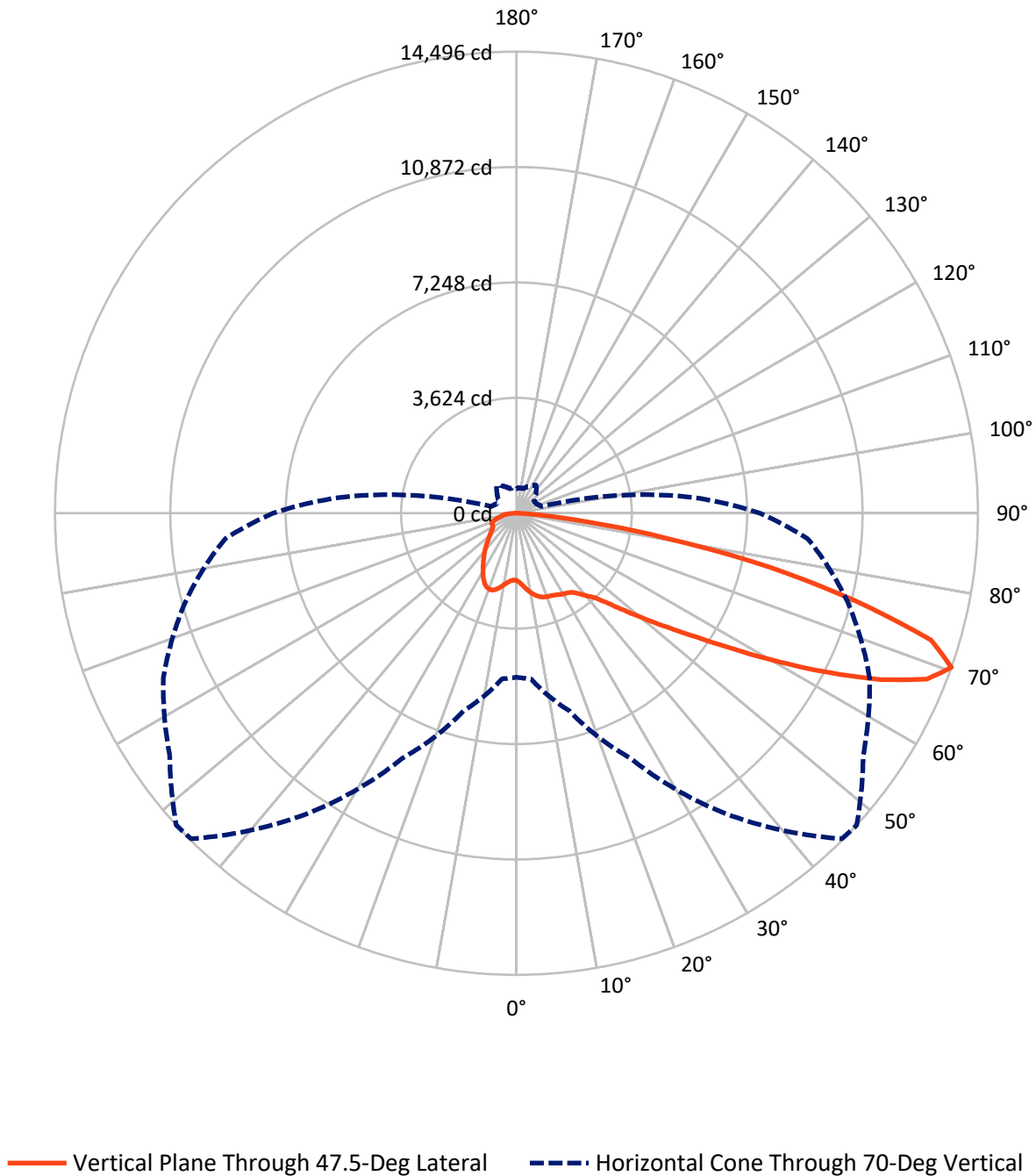


Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4765.4	0.0	4765.4
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	16281.6	0.0	16281.6
	% Fixture	77.4	0.0	77.4
Total	Lumens	21047.0	0.0	21047.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.8	1.0
10°-20°	728.1	3.5
20°-30°	1210.8	5.8
30°-40°	1716.1	8.2
40°-50°	2533.4	12.0
50°-60°	4388.0	20.8
60°-70°	6198.1	29.4
70°-80°	3563.0	16.9
80°-90°	491.6	2.3
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°	21047.0	100.0
0°-180°	21047.0	100.0

Coefficient of Utilization



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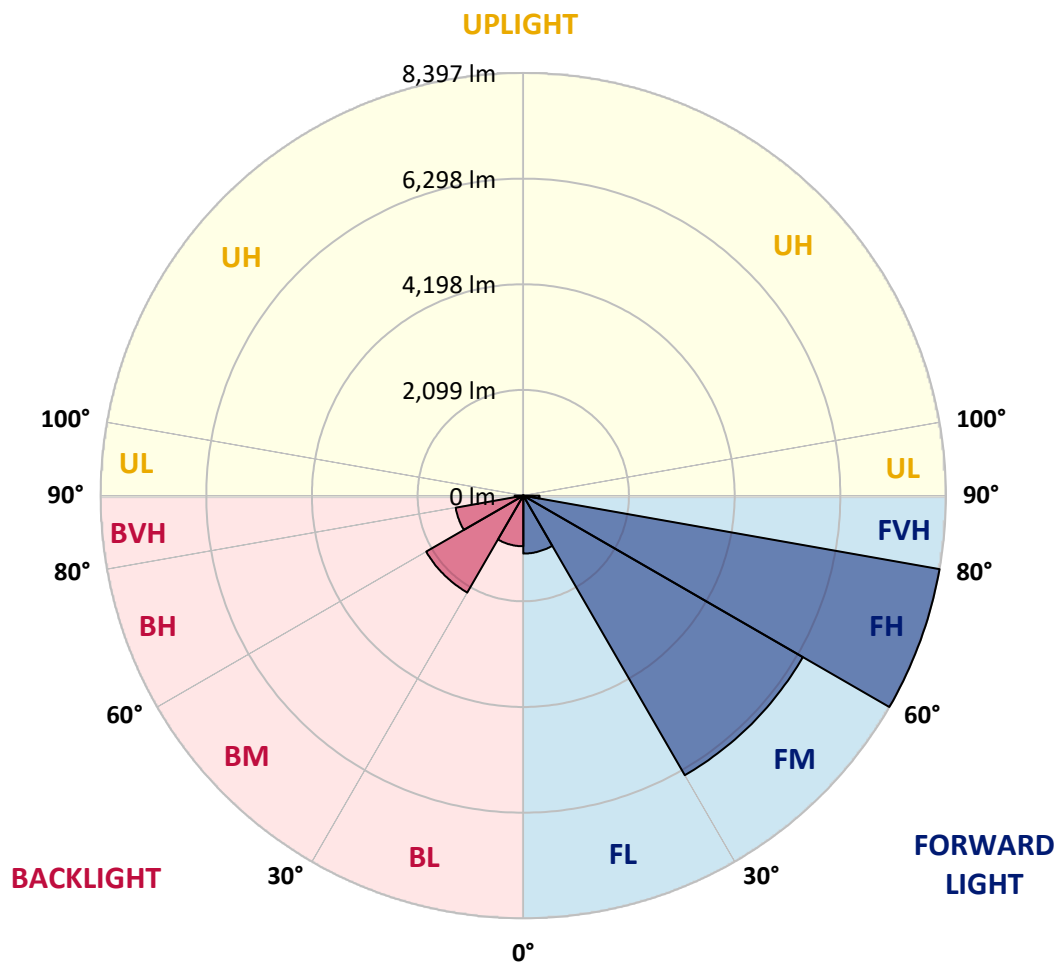
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1150.9	5.5			
FM	(30°-60°)	6412.6	30.5			
FH	(60°-80°)	8396.9	39.9			G4/12000
FVH	(80°-90°)	321.1	1.5			G3/500
BL	(0°-30°)	1005.8	4.8	B3/2500		
BM	(30°-60°)	2224.9	10.6	B2/2500		
BH	(60°-80°)	1364.3	6.5	B3/2500		G3/2500
BVH	(80°-90°)	170.5	0.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47.5°	55°	65°	75°	85°
0°	2112.9	2112.9	2112.9	2112.9	2112.9	2112.9	2112.9	2112.9	2112.9	2112.9	2112.9
2.5°	2249.1	2241.3	2240.1	2223.2	2214.2	2197.3	2190.6	2174.8	2155.7	2136.5	2118.5
5°	2426.0	2426.0	2418.1	2394.4	2357.3	2319.0	2302.1	2271.7	2217.6	2173.7	2136.5
7.5°	2607.3	2609.5	2593.8	2558.9	2505.9	2444.0	2428.2	2383.2	2306.6	2242.4	2187.2
10°	2763.8	2763.8	2742.4	2695.1	2628.7	2561.1	2545.3	2494.7	2409.1	2329.1	2257.0
12.5°	2883.2	2883.2	2855.1	2793.1	2721.0	2660.2	2642.2	2593.8	2513.8	2424.8	2333.6
15°	2960.9	2955.3	2923.8	2853.9	2784.1	2731.2	2718.8	2678.2	2605.0	2514.9	2412.5
17.5°	2964.3	2962.1	2931.7	2873.1	2812.3	2776.2	2768.3	2741.3	2683.9	2598.3	2490.2
20°	2899.0	2903.5	2883.2	2841.6	2812.3	2796.5	2793.1	2784.1	2743.6	2663.6	2555.5
22.5°	2829.2	2837.1	2817.9	2795.4	2793.1	2808.9	2811.1	2813.4	2787.5	2709.8	2610.7
25°	2812.3	2817.9	2798.8	2778.5	2790.9	2832.5	2841.6	2850.6	2830.3	2765.0	2676.0
27.5°	2897.9	2893.4	2856.2	2812.3	2820.2	2876.5	2888.9	2899.0	2888.9	2832.5	2757.1
30°	3140.0	3125.4	3051.0	2922.6	2882.1	2921.5	2933.9	2962.1	2962.1	2920.4	2844.9
32.5°	3545.5	3517.3	3381.0	3128.8	2988.0	2964.3	2976.7	3022.9	3046.5	3013.9	2931.7
35°	4037.6	4008.4	3813.5	3474.5	3181.7	3049.9	3046.5	3098.3	3161.4	3088.2	2981.2
37.5°	4532.1	4501.7	4267.4	3886.7	3464.4	3230.1	3209.8	3227.9	3254.9	3120.9	3049.9
40°	5026.5	4990.5	4785.5	4347.4	3810.1	3468.9	3415.9	3334.9	3323.6	3227.9	3182.8
42.5°	5516.4	5483.8	5380.1	4864.3	4224.6	3702.0	3620.9	3481.3	3524.1	3466.6	3427.2
45°	6010.9	6013.1	5902.7	5444.3	4724.7	4132.3	4023.0	3804.5	3905.9	3884.5	3907.0
47.5°	6449.0	6443.3	6403.9	6007.5	5345.2	4686.4	4545.6	4292.2	4465.6	4544.5	4716.8
50°	6873.6	6870.2	6872.4	6646.1	6066.0	5345.2	5189.8	4924.0	5314.8	5588.5	5897.1
52.5°	7481.8	7500.9	7364.6	7304.9	6942.3	6123.5	5952.3	5677.5	6318.3	6749.7	7352.2
55°	8092.2	8076.4	7969.4	8031.4	7859.0	7044.8	6865.7	6647.2	7435.6	7907.5	8813.0
57.5°	8451.5	8457.1	8566.3	8869.3	8990.9	8193.5	8031.4	7862.4	8691.4	9025.9	10112.7
60°	8774.7	8800.6	9114.8	9687.0	10017.0	9604.8	9460.6	9296.2	9843.5	9976.4	11241.2
62.5°	8876.1	8956.0	9504.5	10360.5	11017.1	11197.3	11018.2	10655.6	10940.5	10888.7	12005.9
65°	8370.4	8479.6	9462.8	10612.8	11910.2	12708.7	12595.0	11921.5	11875.3	11563.3	12131.0
67.5°	7039.1	7148.4	8410.9	10083.4	12279.6	14017.4	13903.7	12845.0	12442.9	11626.4	11184.9
70°	5150.4	5219.1	6426.4	8489.8	11537.4	14456.7	14496.1	13295.5	12240.2	10769.3	9183.5
72.5°	2967.7	3119.7	3965.6	5972.6	9425.7	13346.2	13619.9	12358.5	10958.5	8984.2	6420.8
75°	1276.1	1279.4	1833.6	3294.3	6383.6	10727.6	10992.3	10244.5	8605.8	6212.5	3428.3
77.5°	607.1	618.3	806.4	1470.9	3513.9	7411.9	8126.0	7237.4	5504.0	2984.6	1295.2
80°	394.2	402.1	493.3	729.8	1723.2	4297.8	4795.6	4175.0	2428.2	1066.6	558.6
82.5°	238.8	241.0	330.0	446.0	948.3	1946.2	2294.2	1812.2	1036.2	638.6	328.9
85°	145.3	146.4	200.5	275.9	575.5	672.4	690.4	684.8	608.2	417.8	175.7
87.5°	69.8	72.1	103.6	130.6	226.4	208.4	197.1	228.6	287.2	225.3	75.5
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°	2112.9	2112.9	2112.9	2112.9	2112.9	2112.9	2112.9	2112.9	2112.9	2112.9	2112.9
2.5°	2110.6	2107.2	2099.4	2096.0	2093.7	2094.8	2093.7	2093.7	2094.8	2094.8	2094.8
5°	2120.7	2115.1	2102.7	2102.7	2109.5	2125.3	2139.9	2151.2	2163.5	2162.4	2162.4
7.5°	2164.7	2154.5	2139.9	2144.4	2161.3	2186.1	2212.0	2236.8	2261.5	2263.8	2262.7
10°	2228.9	2218.7	2203.0	2208.6	2235.6	2272.8	2305.5	2341.5	2368.5	2376.4	2374.2
12.5°	2302.1	2281.8	2268.3	2284.1	2326.9	2376.4	2407.9	2435.0	2454.1	2465.4	2460.9
15°	2376.4	2357.3	2341.5	2374.2	2426.0	2472.1	2487.9	2492.4	2495.8	2507.1	2504.8
17.5°	2448.5	2422.6	2417.0	2459.8	2509.3	2529.6	2520.6	2501.4	2486.8	2495.8	2494.7
20°	2512.7	2492.4	2490.2	2533.0	2552.1	2533.0	2494.7	2460.9	2435.0	2437.2	2436.1
22.5°	2573.5	2557.7	2560.0	2578.0	2547.6	2482.3	2419.2	2373.0	2344.9	2350.5	2353.9
25°	2641.1	2625.3	2630.9	2601.7	2501.4	2387.7	2296.4	2257.0	2245.8	2257.0	2264.9
27.5°	2728.9	2718.8	2715.4	2602.8	2419.2	2248.0	2144.4	2129.8	2139.9	2164.7	2177.1
30°	2823.5	2823.5	2805.5	2583.6	2306.6	2080.2	1990.1	1992.4	2027.3	2062.2	2074.6
32.5°	2914.8	2933.9	2877.6	2531.8	2161.3	1916.9	1848.2	1850.4	1880.9	1923.7	1934.9
35°	2990.2	3045.4	2939.5	2437.2	1990.1	1779.5	1727.7	1697.3	1698.4	1731.1	1740.1
37.5°	3093.8	3196.3	2975.6	2296.4	1807.6	1662.4	1603.8	1550.9	1515.9	1502.4	1502.4
40°	3274.0	3425.0	2984.6	2088.1	1635.3	1550.9	1467.5	1404.4	1336.9	1276.1	1264.8
42.5°	3579.3	3769.6	2966.6	1848.2	1479.9	1428.1	1347.0	1269.3	1175.8	1090.2	1083.5
45°	4119.9	4217.8	2918.1	1599.3	1341.4	1309.8	1231.0	1146.5	1047.4	970.8	965.2
47.5°	4986.0	4847.4	2853.9	1378.5	1215.2	1206.2	1145.4	1047.4	948.3	895.4	889.7
50°	6250.7	5838.5	2844.9	1218.6	1113.9	1118.4	1068.8	978.7	892.0	848.1	841.3
52.5°	7773.5	7035.8	2904.6	1106.0	1024.9	1041.8	1017.0	933.7	857.1	819.9	813.2
55°	9251.1	8112.5	2940.7	1018.1	941.6	973.1	976.5	906.6	836.8	799.6	795.1
57.5°	10450.6	8923.4	2780.7	938.2	869.5	917.9	942.7	890.9	826.7	798.5	794.0
60°	11285.1	9306.3	2325.7	867.2	816.5	874.0	930.3	892.0	851.5	854.8	857.1
62.5°	11550.9	9136.2	1744.6	814.3	780.5	859.3	950.6	938.2	896.5	922.4	926.9
65°	11110.6	8433.4	1264.8	772.6	749.0	869.5	1011.4	972.0	880.7	899.9	899.9
67.5°	9636.3	7265.5	984.4	734.3	712.9	888.6	1072.2	968.6	843.6	866.1	845.8
70°	7643.9	5620.0	819.9	691.5	674.6	860.5	1077.8	933.7	799.6	804.2	765.9
72.5°	5072.7	3695.3	705.0	651.0	616.1	773.7	1031.7	888.6	756.8	730.9	692.7
75°	2485.7	1842.6	614.9	600.3	539.5	673.5	968.6	845.8	710.7	670.1	648.7
77.5°	963.0	783.9	524.8	536.1	469.7	593.5	885.2	785.0	649.9	594.7	577.8
80°	467.4	444.9	430.2	447.1	386.3	505.7	808.7	732.1	593.5	532.7	507.9
82.5°	290.6	274.8	330.0	348.0	297.3	461.8	767.0	687.0	522.6	441.5	421.2
85°	147.5	157.7	220.7	237.6	212.9	367.2	631.8	515.8	377.3	313.1	315.4
87.5°	56.3	75.5	116.0	125.0	113.8	193.7	348.0	300.7	242.1	164.4	152.0
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)