

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: P800149

Luminaire Tested: **ARCH2-80-730-U-T2U**

Issue Date: 4/4/2024

Test Information

Test Method: LM-79-08
Report Number: P800149
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2401-285-18)
Test Lab: INNOVATION CENTER
Issue Date: 4/4/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-80-730-U-T2U
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 630mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

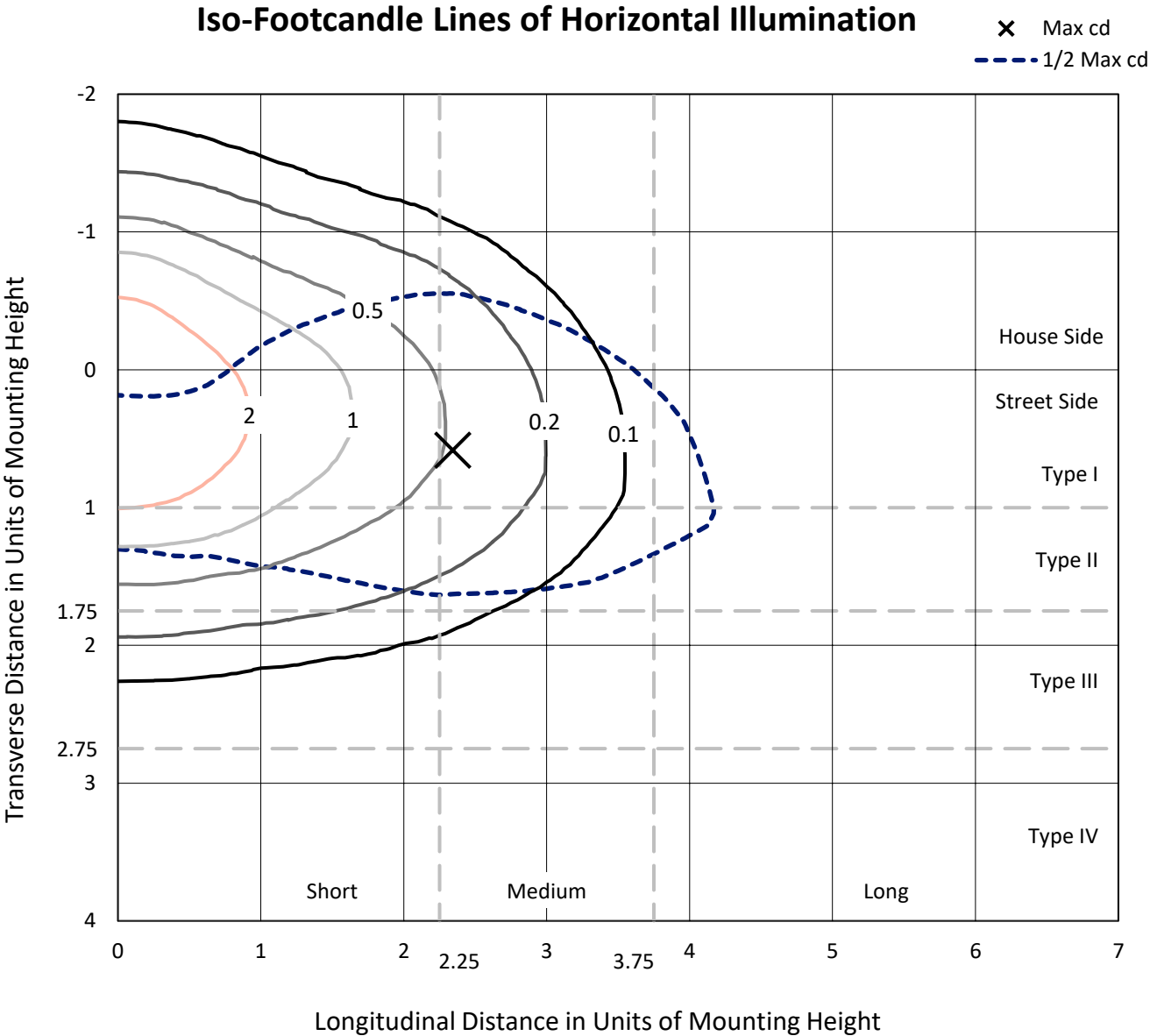
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11051 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 84.3
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

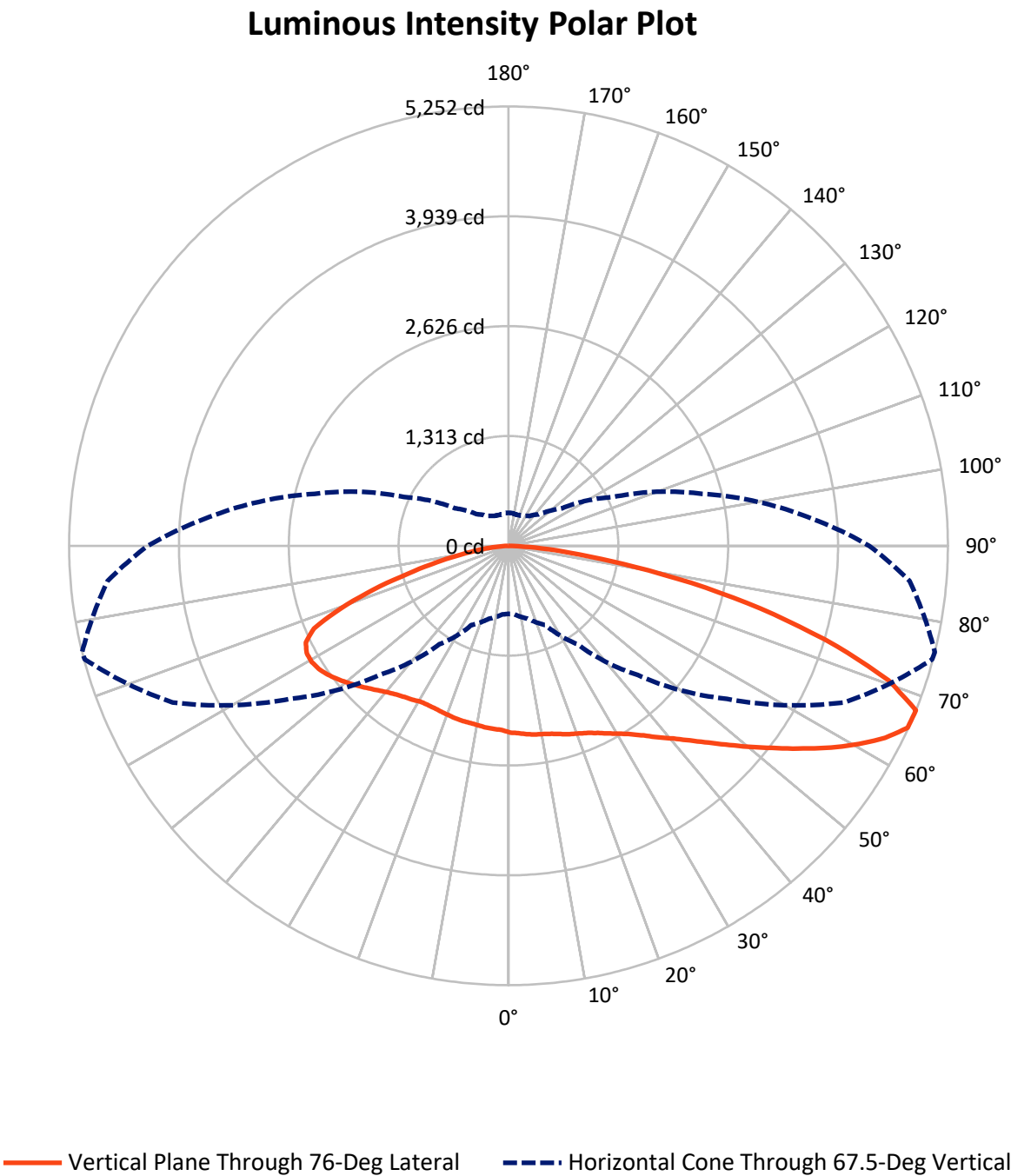


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Based on 25 foot mounting height. Maximum calculated value = 4 fc
Type II - Medium - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3734.2	0.0	3734.2
	% Fixture	33.8	0.0	33.8
Street Side	Lumens	7316.8	0.0	7316.8
	% Fixture	66.2	0.0	66.2
Total	Lumens	11051.0	0.0	11051.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	215.3	1.9
10°-20°	658.1	6.0
20°-30°	1118.1	10.1
30°-40°	1590.9	14.4
40°-50°	2009.2	18.2
50°-60°	2175.4	19.7
60°-70°	2023.3	18.3
70°-80°	1086.7	9.8
80°-90°	174.1	1.6
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°	11051.0	100.0
0°-180°	11051.0	100.0

Coefficient of Utilization



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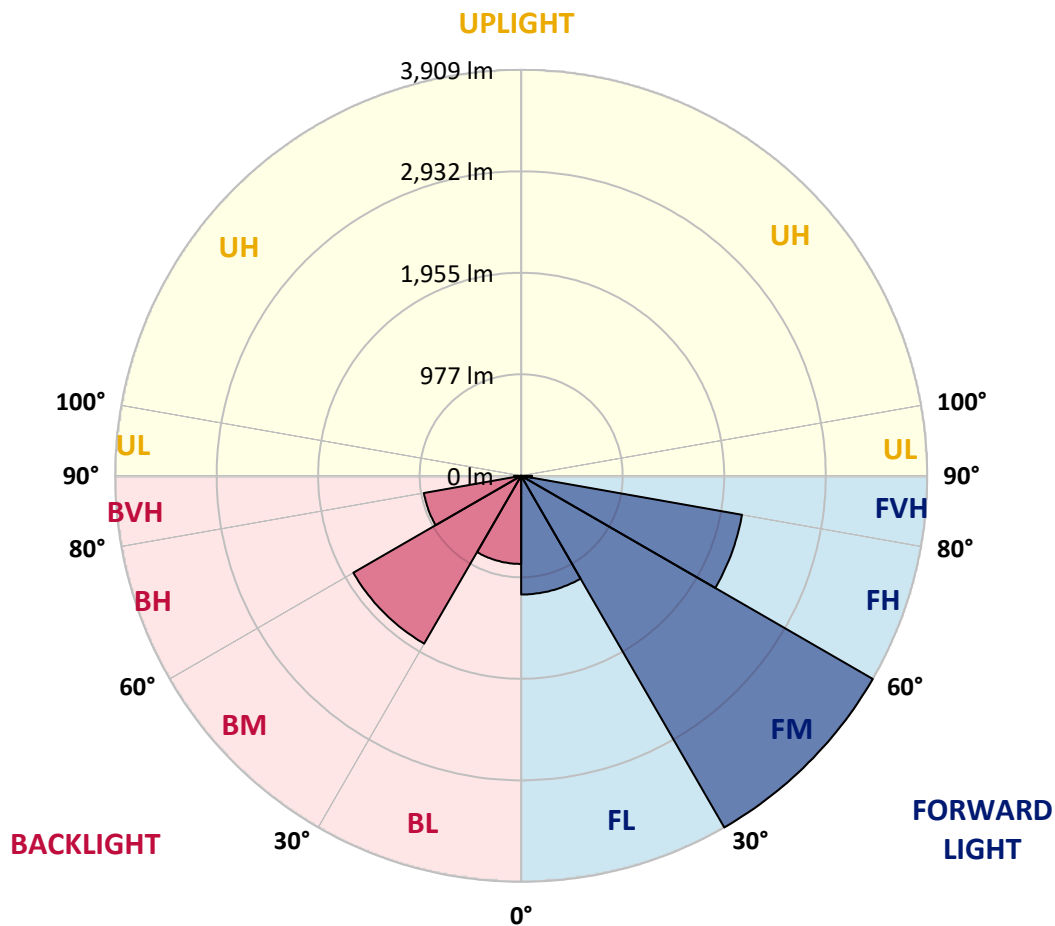
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1142.8	10.3			
FM	(30°-60°)	3909.4	35.4			
FH	(60°-80°)	2159.3	19.5			G2/5000
FVH	(80°-90°)	105.3	1.0			G2/225
BL	(0°-30°)	848.6	7.7	B2/1000		
BM	(30°-60°)	1866.0	16.9	B2/2500		
BH	(60°-80°)	950.8	8.6	B2/1000		G2/1000
BVH	(80°-90°)	68.8	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2232.3	2232.3	2232.3	2232.3	2232.3	2232.3	2232.3	2232.3	2232.3	2232.3	2232.3
2.5°	2300.0	2295.9	2279.5	2281.5	2281.5	2279.5	2254.8	2244.6	2244.6	2242.5	2220.0
5°	2382.1	2375.9	2357.4	2353.3	2345.1	2334.9	2295.9	2273.3	2263.1	2261.0	2230.2
7.5°	2478.5	2470.3	2447.7	2435.4	2414.9	2388.2	2339.0	2304.1	2279.5	2277.4	2234.3
10°	2574.9	2566.7	2540.0	2517.5	2488.7	2445.7	2382.1	2330.8	2291.8	2287.7	2236.4
12.5°	2689.8	2681.6	2648.8	2620.1	2577.0	2519.5	2435.4	2365.6	2312.3	2306.1	2242.5
15°	2810.9	2798.6	2765.7	2732.9	2679.6	2605.7	2505.2	2412.8	2345.1	2334.9	2261.0
17.5°	2911.4	2895.0	2868.3	2835.5	2776.0	2689.8	2574.9	2460.0	2375.9	2367.7	2279.5
20°	2997.6	2985.3	2956.5	2925.8	2862.2	2767.8	2640.6	2507.2	2404.6	2394.4	2293.8
22.5°	3079.6	3063.2	3046.8	3024.2	2954.5	2849.8	2716.5	2564.7	2441.6	2429.2	2312.3
25°	3174.0	3155.6	3149.4	3137.1	3055.0	2948.3	2808.8	2636.5	2492.8	2478.5	2345.1
27.5°	3291.0	3270.5	3258.1	3258.1	3159.7	3048.9	2907.3	2720.6	2552.3	2540.0	2386.2
30°	3414.1	3389.5	3371.0	3371.0	3260.2	3149.4	3003.7	2804.7	2620.1	2605.7	2439.5
32.5°	3522.8	3498.2	3477.7	3475.6	3360.7	3249.9	3104.3	2897.0	2702.1	2683.7	2505.2
35°	3606.9	3584.4	3565.9	3570.0	3461.3	3352.5	3217.1	3020.1	2804.7	2784.2	2591.3
37.5°	3658.2	3650.0	3639.8	3654.1	3553.6	3451.0	3334.1	3139.1	2921.7	2903.2	2698.0
40°	3684.9	3678.7	3719.8	3738.2	3631.6	3539.2	3451.0	3262.2	3048.9	3028.3	2821.1
42.5°	3723.9	3775.2	3791.6	3787.5	3689.0	3606.9	3557.7	3395.6	3198.6	3180.2	2968.8
45°	3584.4	3572.1	3662.3	3711.6	3693.1	3650.0	3658.2	3555.6	3373.0	3354.6	3139.1
47.5°	3397.7	3381.2	3432.5	3553.6	3625.4	3666.4	3748.5	3721.8	3574.1	3557.7	3338.2
50°	3003.7	3026.3	3217.1	3379.2	3520.8	3662.3	3824.4	3900.3	3795.7	3779.3	3551.5
52.5°	2566.7	2589.3	2788.3	3161.7	3393.6	3631.6	3879.8	4078.8	4035.7	4017.3	3779.3
55°	2248.7	2297.9	2523.6	2794.5	3213.0	3535.1	3912.6	4261.4	4294.3	4277.8	4027.5
57.5°	1932.7	1969.7	2139.9	2380.0	2966.8	3366.9	3910.6	4431.7	4565.1	4548.7	4279.9
60°	1561.4	1608.6	1744.0	2002.5	2638.5	3165.8	3853.1	4565.1	4825.7	4813.3	4524.1
62.5°	1306.9	1321.3	1417.7	1641.4	2215.9	2911.4	3723.9	4636.9	5061.6	5053.4	4743.6
65°	1052.5	1054.6	1142.8	1329.5	1807.6	2595.4	3504.3	4610.2	5240.1	5244.2	4901.6
67.5°	812.5	822.7	902.8	1044.3	1436.2	2185.1	3190.4	4429.7	5242.2	5252.4	4811.3
70°	562.2	570.4	691.4	828.9	1110.0	1741.9	2765.7	3951.6	4811.3	4819.5	4312.7
72.5°	396.0	400.1	529.3	662.7	867.9	1313.1	2086.6	3268.4	4101.4	4107.6	3627.5
75°	295.4	299.6	373.4	502.7	664.8	908.9	1425.9	2503.1	3276.6	3276.6	2864.2
77.5°	209.3	211.3	242.1	346.7	443.2	613.5	857.6	1639.3	2404.6	2408.7	2086.6
80°	141.6	143.6	158.0	233.9	277.0	332.4	465.7	859.7	1516.2	1522.4	1325.4
82.5°	73.9	78.0	88.2	119.0	139.5	184.7	240.1	437.0	839.2	855.6	796.1
85°	28.7	28.7	32.8	39.0	51.3	71.8	110.8	166.2	379.6	391.9	350.8
87.5°	10.3	10.3	12.3	12.3	14.4	16.4	18.5	24.6	43.1	43.1	41.0
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°	2232.3	2232.3	2232.3	2232.3	2232.3	2232.3	2232.3	2232.3	2232.3	2232.3	2232.3
2.5°	2211.8	2211.8	2201.5	2205.6	2203.6	2199.4	2195.3	2201.5	2195.3	2181.0	2178.9
5°	2215.9	2211.8	2195.3	2193.3	2187.1	2178.9	2168.7	2172.8	2162.5	2150.2	2148.2
7.5°	2217.9	2209.7	2187.1	2178.9	2166.6	2150.2	2133.8	2133.8	2119.4	2107.1	2105.1
10°	2213.8	2203.6	2172.8	2156.4	2133.8	2109.2	2086.6	2080.4	2064.0	2049.7	2049.7
12.5°	2215.9	2201.5	2162.5	2135.8	2105.1	2074.3	2045.6	2037.4	2023.0	2008.6	2006.6
15°	2228.2	2207.7	2158.4	2123.5	2078.4	2043.5	2012.7	2006.6	1994.3	1984.0	1984.0
17.5°	2240.5	2213.8	2152.3	2103.0	2047.6	2008.6	1979.9	1979.9	1971.7	1965.6	1965.6
20°	2246.6	2215.9	2139.9	2074.3	2010.7	1969.7	1943.0	1947.1	1945.0	1943.0	1943.0
22.5°	2261.0	2220.0	2129.7	2047.6	1971.7	1928.6	1904.0	1910.2	1908.1	1908.1	1910.2
25°	2283.6	2230.2	2121.5	2023.0	1934.8	1887.6	1860.9	1865.0	1865.0	1865.0	1865.0
27.5°	2314.3	2250.7	2119.4	2000.4	1897.8	1844.5	1811.7	1811.7	1803.5	1805.5	1807.6
30°	2361.5	2289.7	2123.5	1979.9	1858.9	1791.2	1752.2	1746.0	1744.0	1748.1	1750.1
32.5°	2419.0	2343.1	2148.2	1965.6	1817.8	1731.7	1682.4	1680.4	1674.2	1674.2	1674.2
35°	2490.8	2394.4	2170.7	1963.5	1776.8	1668.1	1614.7	1608.6	1594.2	1588.0	1588.0
37.5°	2583.1	2474.4	2197.4	1949.1	1741.9	1606.5	1542.9	1522.4	1506.0	1503.9	1503.9
40°	2696.0	2564.7	2236.4	1932.7	1705.0	1542.9	1458.8	1423.9	1425.9	1434.2	1434.2
42.5°	2829.3	2675.5	2285.6	1924.5	1651.6	1477.2	1360.3	1319.3	1333.6	1341.8	1343.9
45°	2985.3	2806.8	2341.0	1914.3	1602.4	1403.4	1255.7	1204.4	1210.5	1212.6	1214.6
47.5°	3165.8	2952.4	2398.5	1906.1	1547.0	1311.1	1140.8	1073.1	1071.0	1058.7	1062.8
50°	3354.6	3106.3	2458.0	1891.7	1479.3	1202.3	1019.7	939.7	923.3	904.8	906.9
52.5°	3555.6	3264.3	2513.4	1869.1	1395.2	1091.5	904.8	818.6	785.8	765.3	769.4
55°	3777.2	3426.4	2566.7	1834.2	1306.9	980.7	802.2	714.0	673.0	656.6	658.6
57.5°	3980.3	3582.3	2605.7	1791.2	1210.5	880.2	711.9	625.8	599.1	597.1	599.1
60°	4177.3	3713.6	2622.1	1731.7	1112.0	787.9	627.8	562.2	543.7	554.0	556.0
62.5°	4343.5	3797.7	2613.9	1651.6	1011.5	699.6	560.1	512.9	500.6	521.1	523.2
65°	4439.9	3824.4	2556.5	1536.7	902.8	613.5	496.5	445.2	439.1	451.4	457.5
67.5°	4312.7	3658.2	2400.5	1378.8	781.7	533.4	435.0	393.9	383.7	393.9	393.9
70°	3822.4	3169.9	2031.2	1128.4	648.3	455.5	377.5	348.8	340.6	348.8	346.7
72.5°	3184.3	2636.5	1600.3	880.2	510.9	383.7	328.3	301.6	293.4	285.2	281.1
75°	2470.3	2002.5	1161.3	646.3	385.7	307.8	274.9	250.3	229.8	238.0	233.9
77.5°	1809.6	1405.4	822.7	447.3	277.0	238.0	215.4	197.0	182.6	199.0	197.0
80°	1165.4	908.9	549.9	299.6	190.8	166.2	158.0	147.7	162.1	211.3	215.4
82.5°	711.9	576.5	328.3	194.9	125.2	110.8	102.6	102.6	166.2	182.6	184.7
85°	318.0	305.7	178.5	100.5	69.8	63.6	57.4	73.9	67.7	49.2	51.3
87.5°	51.3	53.3	39.0	34.9	26.7	26.7	20.5	14.4	10.3	6.2	6.2
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)