

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: P318806

Luminaire Tested: **GAN-SA2C-760-U-T4FT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318806
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2C-760-U-T4FT
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14558 lumens
Efficiency: N/A
Efficacy: 128.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

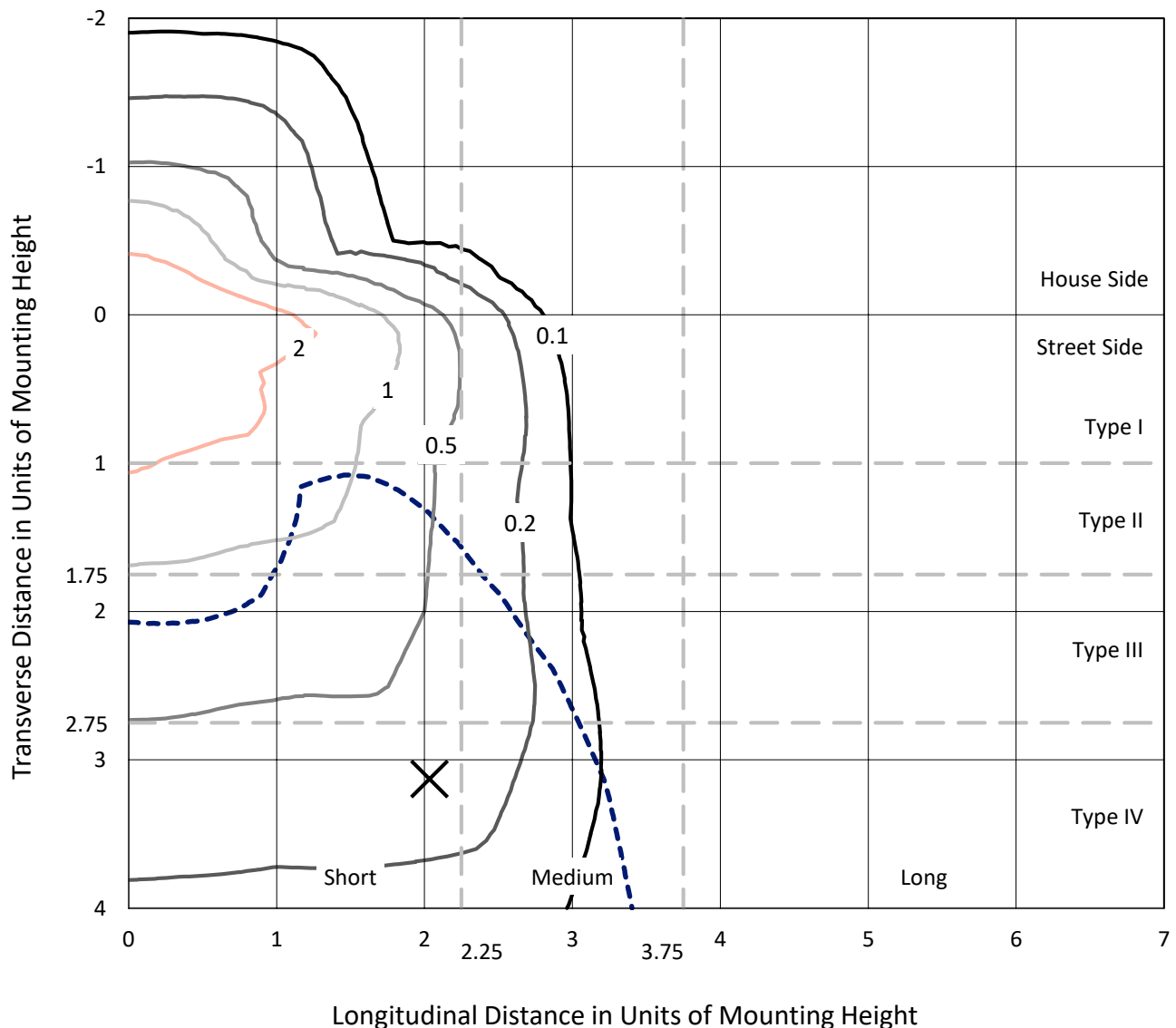
Input Watts (W): 113
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

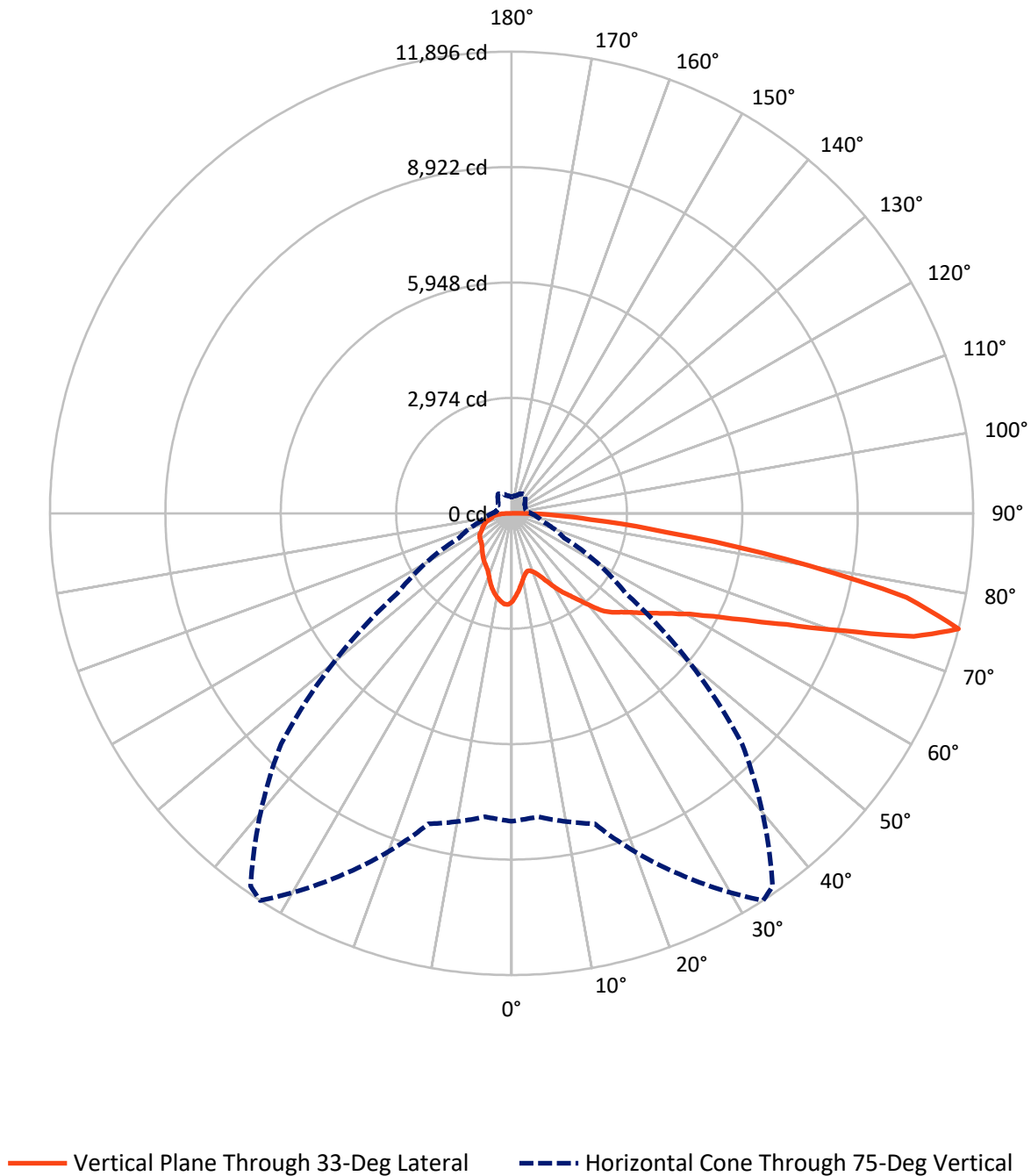
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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	3126.0	0.0	3126.0
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	11432.0	0.0	11432.0
	% Fixture	78.5	0.0	78.5
Total	Lumens	14558.0	0.0	14558.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.8	1.4
10°-20°	557.4	3.8
20°-30°	910.3	6.3
30°-40°	1355.6	9.3
40°-50°	1944.3	13.4
50°-60°	2669.2	18.3
60°-70°	3341.7	23.0
70°-80°	3023.1	20.8
80°-90°	550.7	3.8
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°	14558.0	100.0
0°-180°	14558.0	100.0

Coefficient of Utilization



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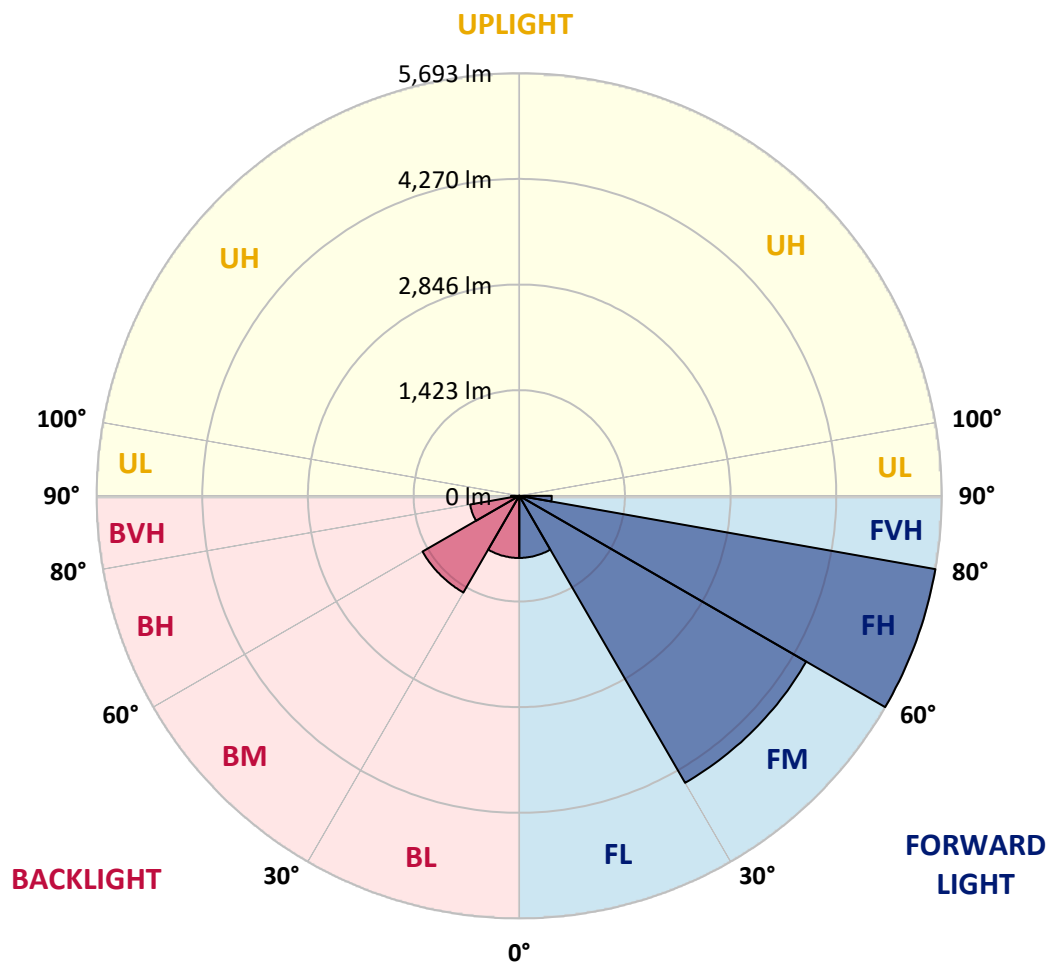
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	836.1	5.7			
FM	(30°-60°)	4464.6	30.7			
FH	(60°-80°)	5692.7	39.1			G3/7500
FVH	(80°-90°)	438.6	3.0			G3/500
BL	(0°-30°)	837.3	5.8	B2/1000		
BM	(30°-60°)	1504.4	10.3	B2/2500		
BH	(60°-80°)	672.1	4.6	B2/1000		G2/1000
BVH	(80°-90°)	112.1	0.8			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	2275.5	2275.5	2275.5	2275.5	2275.5	2275.5	2275.5	2275.5	2275.5	2275.5	2275.5
2.5°	2113.1	2105.0	2120.1	2122.1	2135.2	2140.2	2158.3	2186.5	2209.6	2236.3	2260.4
5°	1921.5	1915.9	1937.1	1952.2	1980.8	1992.9	2035.6	2095.5	2148.8	2209.1	2263.9
7.5°	1739.4	1736.4	1760.1	1794.2	1827.4	1844.0	1918.0	2005.0	2094.0	2191.5	2275.5
10°	1586.1	1585.1	1607.7	1641.4	1690.2	1708.8	1804.3	1919.0	2043.7	2177.9	2295.1
12.5°	1500.1	1503.6	1514.1	1542.3	1587.6	1606.2	1712.3	1847.0	2001.4	2173.4	2323.8
15°	1521.2	1526.7	1508.6	1507.6	1539.8	1554.4	1653.9	1795.8	1971.3	2181.0	2365.5
17.5°	1611.2	1612.2	1564.4	1534.3	1553.9	1561.4	1635.8	1766.6	1953.7	2198.1	2417.8
20°	1737.9	1735.4	1650.9	1600.6	1611.2	1613.2	1661.5	1767.1	1952.2	2227.7	2485.7
22.5°	1905.9	1887.3	1773.6	1705.2	1702.7	1699.7	1727.4	1804.3	1974.3	2276.0	2566.7
25°	2125.1	2107.5	1951.1	1857.6	1837.5	1830.0	1834.0	1883.8	2018.0	2327.8	2657.2
27.5°	2369.0	2338.4	2187.5	2055.2	2013.5	2002.9	1978.8	1995.9	2065.8	2377.6	2764.8
30°	2573.2	2556.6	2424.9	2268.0	2218.7	2203.6	2140.2	2121.6	2134.7	2445.5	2900.6
32.5°	2687.3	2676.3	2596.3	2469.6	2423.8	2402.7	2313.2	2276.0	2245.3	2552.6	3084.6
35°	2825.6	2818.6	2770.3	2678.3	2610.4	2588.3	2518.9	2480.2	2401.2	2699.9	3322.5
37.5°	3001.6	2994.1	2995.1	2920.7	2839.7	2819.1	2773.3	2732.6	2603.4	2893.5	3581.0
40°	3200.8	3186.2	3180.7	3177.1	3125.9	3114.3	3090.2	3034.8	2856.8	3124.8	3835.9
42.5°	3500.5	3448.7	3338.1	3379.8	3430.6	3424.6	3444.2	3364.7	3138.4	3398.4	4084.8
45°	3789.6	3704.7	3513.6	3522.6	3633.8	3667.4	3814.3	3758.0	3443.7	3698.1	4342.3
47.5°	3921.4	3857.0	3694.6	3695.1	3805.2	3875.1	4197.0	4156.7	3764.5	4038.6	4656.6
50°	4068.7	4004.4	3858.5	3913.4	4009.4	4083.8	4566.6	4546.0	4069.7	4411.2	5033.2
52.5°	4229.7	4120.5	4028.0	4126.1	4260.8	4347.3	4936.7	4880.4	4349.8	4786.3	5466.2
55°	4231.7	4202.0	4272.4	4344.3	4546.0	4652.1	5324.4	5175.6	4578.1	5154.9	5818.7
57.5°	4472.5	4424.3	4573.6	4606.8	4870.3	4990.0	5710.1	5432.5	4810.5	5437.6	6008.8
60°	4791.4	4750.1	4872.3	4959.8	5271.6	5431.5	6122.0	5696.5	4993.0	5650.8	5999.8
62.5°	5342.0	5295.2	5293.7	5416.4	5836.3	6022.4	6584.1	5955.5	5065.4	5693.0	5743.8
65°	6148.1	6073.7	5933.4	5991.7	6616.3	6801.9	7100.6	6143.1	4969.9	5466.7	5084.5
67.5°	6932.6	6930.1	6757.6	6877.3	7646.2	7795.0	7688.9	6161.7	4671.7	4678.7	3914.9
70°	7714.6	7724.6	7695.5	8111.8	9037.6	9192.5	8315.5	5911.8	4001.4	3378.8	2345.4
72.5°	8334.1	8331.6	8478.4	9552.1	10843.4	10808.7	8843.5	5154.4	2872.9	1823.9	1120.9
75°	7932.8	7845.3	8282.8	10265.1	11895.9	11726.5	8394.4	3595.5	1491.0	830.2	603.4
77.5°	5174.1	5257.0	5899.2	8479.9	10405.4	10199.3	6158.7	1677.6	702.5	544.6	437.5
80°	1873.7	1961.2	2762.3	4803.4	7168.9	7135.3	3032.8	689.4	475.2	411.3	318.8
82.5°	644.7	676.9	1089.7	2133.2	4047.6	4198.5	1141.0	391.7	345.5	291.7	218.2
85°	252.9	289.7	498.3	1026.4	2041.7	2056.7	462.1	234.3	240.4	191.1	119.7
87.5°	96.0	116.7	238.4	476.7	932.3	856.4	165.4	111.6	136.8	113.6	56.8
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°	2275.5	2275.5	2275.5	2275.5	2275.5	2275.5	2275.5	2275.5	2275.5	2275.5	2275.5
2.5°	2279.0	2289.6	2311.7	2326.8	2342.9	2347.4	2349.4	2353.4	2357.5	2356.0	2356.5
5°	2293.1	2313.7	2349.4	2364.5	2371.5	2363.5	2347.9	2335.3	2326.3	2321.3	2319.7
7.5°	2316.2	2345.4	2383.6	2381.1	2365.0	2329.3	2289.1	2258.9	2233.8	2224.7	2219.7
10°	2346.9	2381.1	2407.8	2379.1	2332.3	2270.5	2210.1	2163.4	2125.6	2111.1	2108.5
12.5°	2386.1	2420.8	2425.9	2365.0	2287.6	2203.1	2121.1	2059.3	2002.9	1984.8	1980.8
15°	2436.9	2469.6	2438.4	2340.4	2232.3	2118.6	2012.5	1928.5	1869.2	1847.0	1839.0
17.5°	2490.2	2521.4	2440.9	2299.6	2159.8	2018.5	1885.3	1799.3	1731.4	1705.7	1702.7
20°	2554.1	2568.2	2430.4	2241.3	2060.3	1888.8	1748.5	1667.5	1631.3	1613.2	1611.2
22.5°	2633.0	2618.0	2406.2	2162.4	1934.0	1738.9	1624.8	1587.1	1578.0	1574.0	1575.5
25°	2716.5	2670.3	2370.5	2059.3	1774.6	1589.1	1534.3	1544.8	1556.9	1555.4	1555.4
27.5°	2808.5	2723.6	2315.7	1922.5	1598.1	1466.4	1472.9	1511.6	1529.7	1529.2	1528.7
30°	2926.7	2783.9	2245.8	1758.0	1433.2	1379.9	1419.6	1466.9	1491.5	1490.5	1491.0
32.5°	3072.0	2850.3	2150.8	1574.5	1314.0	1316.0	1361.8	1408.5	1437.2	1434.7	1435.2
35°	3242.0	2924.7	2022.0	1393.5	1235.1	1265.2	1301.4	1334.1	1361.3	1357.8	1354.2
37.5°	3427.1	2997.6	1851.1	1231.5	1170.7	1218.0	1248.1	1253.7	1266.2	1257.2	1250.6
40°	3603.1	3053.4	1630.8	1098.8	1105.8	1177.7	1197.3	1175.2	1152.6	1149.6	1140.5
42.5°	3756.5	3072.0	1408.0	992.7	1037.4	1135.5	1147.6	1101.3	1060.6	1041.4	1033.4
45°	3918.4	3078.6	1200.4	903.7	971.5	1097.8	1110.8	1049.0	991.7	950.4	936.9
47.5°	4130.1	3125.9	1038.9	837.8	921.3	1072.6	1091.2	1007.3	932.8	874.0	861.4
50°	4407.2	3219.4	907.7	787.5	888.6	1056.0	1077.2	966.5	884.6	813.6	801.1
52.5°	4714.9	3305.4	801.6	746.8	856.9	1026.9	1059.0	937.4	839.3	757.8	744.3
55°	4930.2	3239.5	716.1	704.5	815.7	985.1	1033.9	912.7	774.4	703.5	691.4
57.5°	4971.4	3014.2	651.2	660.8	765.9	932.8	995.2	857.9	739.2	679.9	667.3
60°	4858.8	2700.4	602.9	620.5	712.6	867.0	922.8	819.2	705.5	654.7	644.2
62.5°	4575.6	2379.1	567.2	584.3	662.8	800.1	877.5	778.4	671.3	626.1	615.5
65°	4003.9	1997.4	533.0	552.2	616.5	742.2	836.8	740.7	637.6	602.9	592.9
67.5°	3022.3	1496.0	500.9	518.0	575.3	692.0	792.5	703.5	605.0	582.8	570.8
70°	1779.7	936.9	464.2	482.3	532.0	639.7	745.3	662.8	564.2	554.2	538.6
72.5°	828.2	563.7	422.4	440.0	477.7	569.8	684.4	609.5	515.9	493.8	472.7
75°	494.3	412.4	373.1	388.7	415.4	495.3	608.0	555.2	470.2	441.0	418.9
77.5°	369.6	315.3	318.8	335.4	357.0	433.5	538.6	512.4	435.0	412.4	397.3
80°	266.0	239.4	260.0	278.1	300.7	394.3	515.9	473.7	393.2	363.1	349.0
82.5°	177.5	172.0	195.6	214.2	236.3	345.0	484.8	414.9	335.9	297.7	266.5
85°	98.1	103.6	131.8	139.8	158.9	242.9	397.3	333.4	252.9	203.7	194.6
87.5°	40.7	47.8	70.9	68.4	84.5	144.8	261.5	201.1	160.9	120.2	93.5
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)