

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: P318077

Luminaire Tested: **GAN-SA3B-740-U-T2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318077  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA3B-740-U-T2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 17121 lumens  
Efficiency: N/A  
Efficacy: 138.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

Input Watts (W): 124  
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

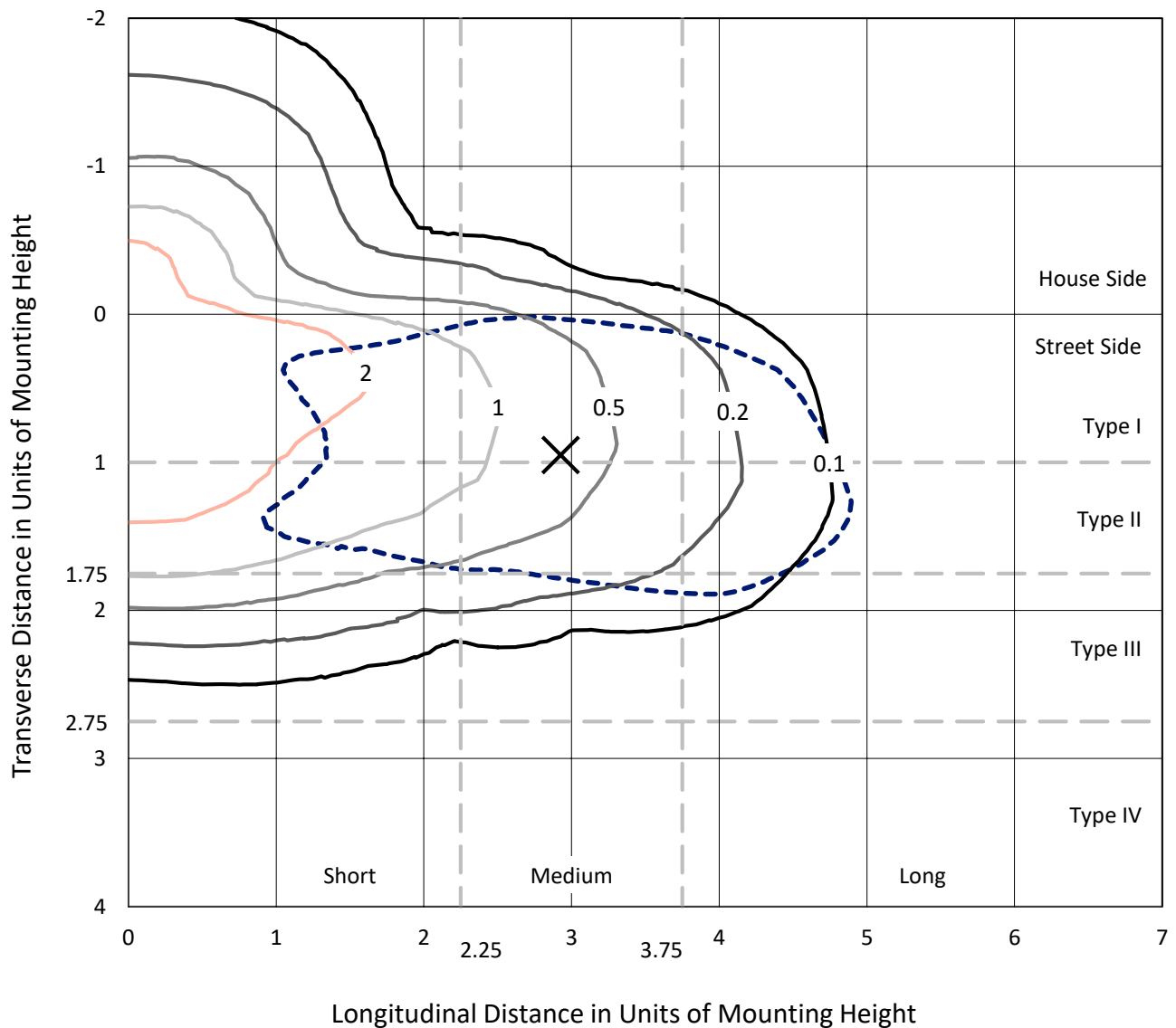




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### Iso-Footcandle Lines of Horizontal Illumination

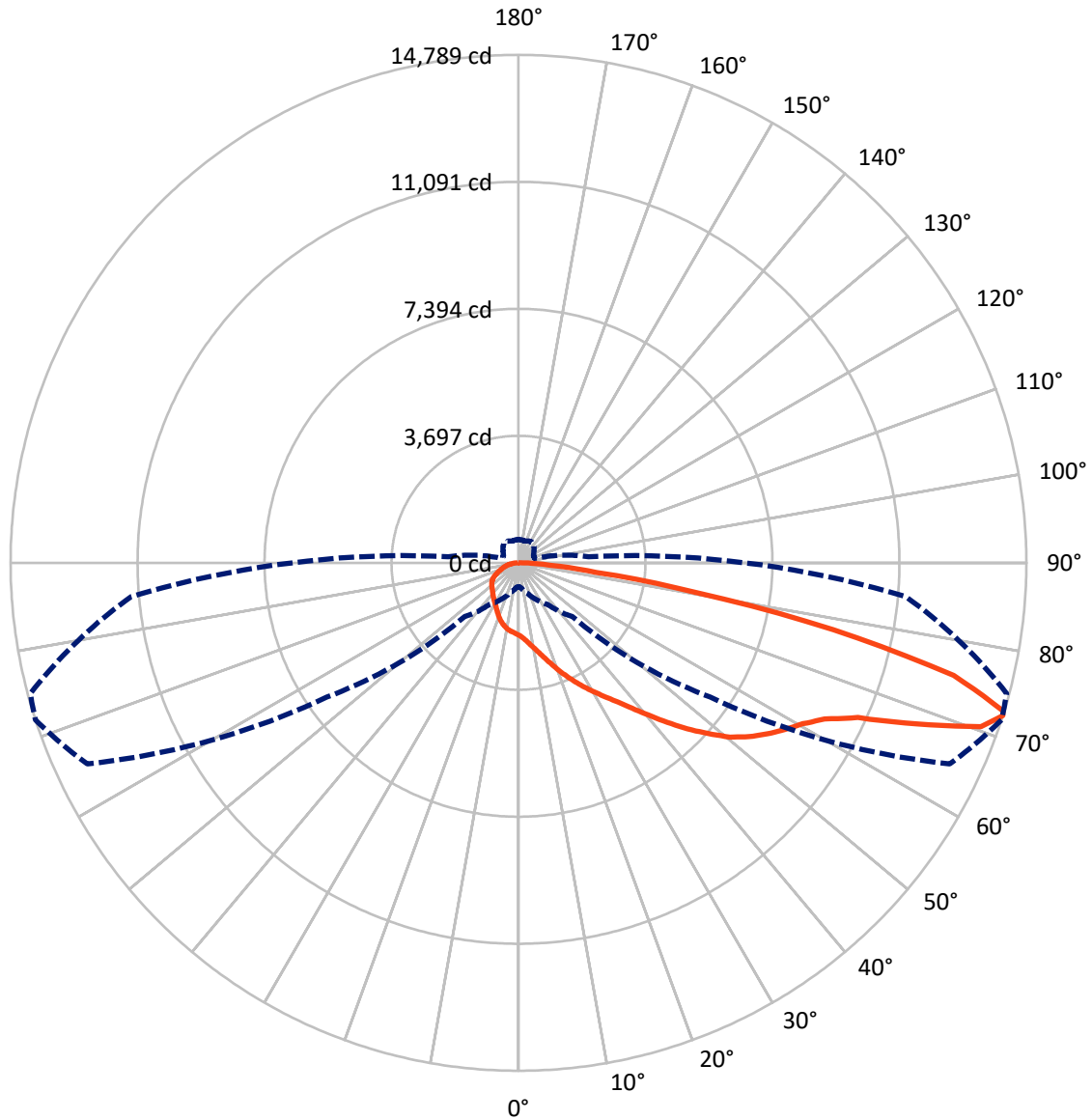
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3176.1	0.0	3176.1
	% Fixture	18.6	0.0	18.6
<b>Street Side</b>	Lumens	13944.9	0.0	13944.9
	% Fixture	81.4	0.0	81.4
<b>Total</b>	Lumens	17121.0	0.0	17121.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.1	1.2
10°-20°	682.0	4.0
20°-30°	1195.2	7.0
30°-40°	1772.0	10.4
40°-50°	2591.8	15.1
50°-60°	3566.2	20.8
60°-70°	3970.3	23.2
70°-80°	2690.2	15.7
80°-90°	442.2	2.6
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°	17121.0	100.0
0°-180°	17121.0	100.0

**Coefficient of Utilization**

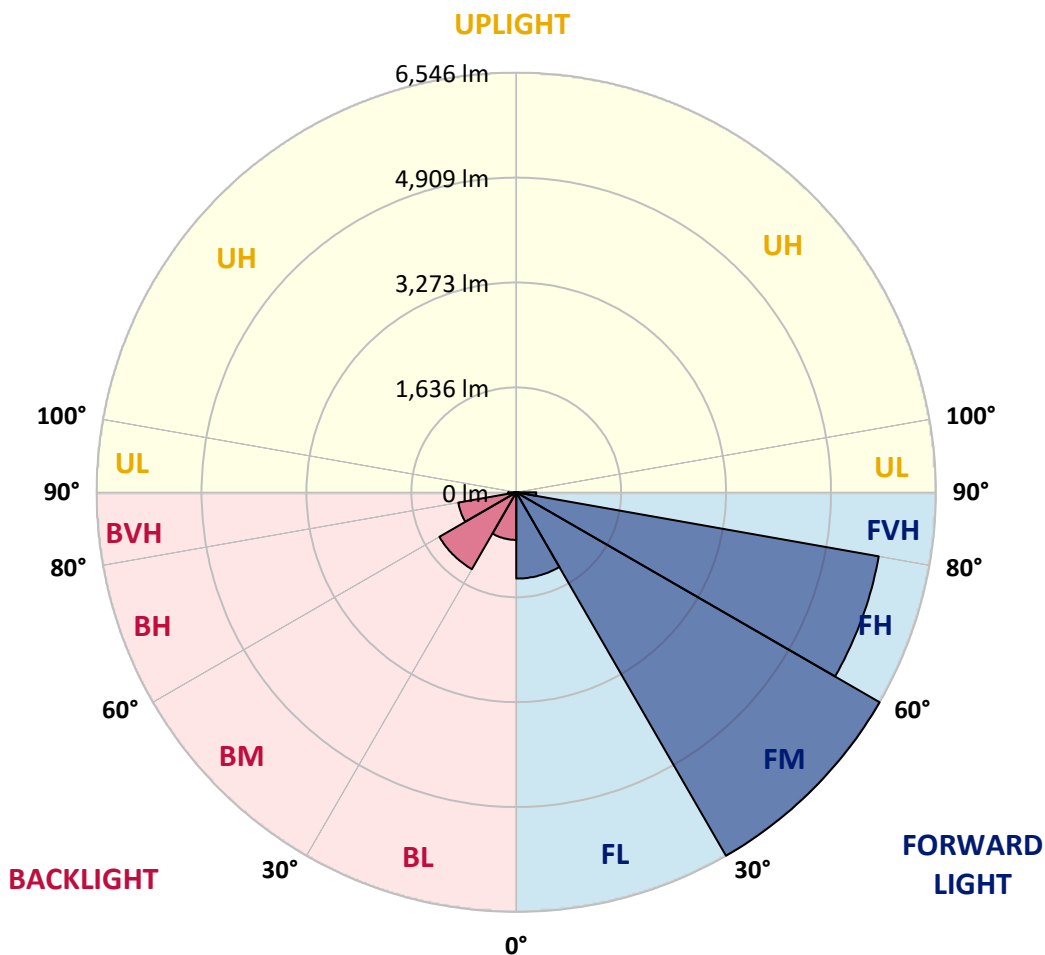


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1345.8	7.9			
FM (30°-60°)	6545.6	38.2			
FH (60°-80°)	5741.7	33.5			G3/7500
FVH (80°-90°)	311.9	1.8			G3/500
BL (0°-30°)	742.4	4.3	B2/1000		
BM (30°-60°)	1384.5	8.1	B2/2500		
BH (60°-80°)	918.9	5.4	B2/1000		G2/1000
BVH (80°-90°)	130.3	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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3
2.5°	2326.8	2323.3	2310.9	2310.9	2287.3	2267.3	2229.5	2204.2	2174.1	2163.5	2128.1
5°	2552.0	2553.2	2537.9	2527.2	2492.5	2450.0	2385.8	2327.4	2269.0	2245.5	2172.9
7.5°	2741.2	2738.9	2734.8	2725.9	2693.5	2649.9	2563.2	2476.5	2390.5	2355.1	2230.1
10°	2862.7	2868.0	2871.5	2875.6	2862.1	2830.8	2748.9	2643.4	2530.8	2482.4	2298.5
12.5°	2924.0	2933.4	2949.9	2978.2	3000.6	2997.1	2937.5	2825.5	2691.7	2631.0	2384.0
15°	2959.9	2972.3	2998.3	3049.0	3112.0	3148.0	3132.1	3030.7	2881.5	2806.7	2488.3
17.5°	2982.3	2992.4	3032.5	3100.2	3194.0	3289.5	3331.3	3246.4	3096.1	3010.6	2608.0
20°	2997.7	3005.3	3055.4	3135.0	3256.5	3408.6	3525.3	3504.1	3332.5	3221.7	2733.0
22.5°	3031.9	3038.3	3086.1	3166.3	3300.7	3497.0	3712.2	3744.0	3581.9	3456.3	2866.8
25°	3127.4	3127.4	3167.5	3223.5	3349.6	3573.6	3870.2	4011.0	3836.6	3690.4	2990.6
27.5°	3309.5	3307.8	3322.5	3341.9	3437.4	3651.4	4011.0	4246.9	4100.7	3940.9	3110.9
30°	3525.3	3537.1	3538.8	3529.4	3574.2	3748.7	4141.3	4495.6	4366.5	4194.4	3234.1
32.5°	3802.9	3810.6	3801.8	3770.5	3764.0	3886.7	4269.3	4756.2	4654.2	4459.1	3346.7
35°	4155.5	4140.7	4113.0	4049.4	3988.6	4071.2	4415.5	5016.8	4977.3	4779.2	3501.7
37.5°	4533.4	4533.9	4499.8	4355.3	4271.6	4307.0	4617.1	5312.1	5368.1	5160.0	3700.4
40°	4836.4	4852.3	4873.5	4683.7	4575.2	4624.1	4873.5	5654.6	5830.3	5611.6	3959.2
42.5°	5048.0	5066.3	5126.4	5007.3	4894.7	4985.5	5175.3	6020.1	6349.1	6132.7	4262.2
45°	5272.0	5282.0	5324.5	5273.2	5201.3	5405.8	5515.5	6398.6	6897.9	6688.0	4601.1
47.5°	5507.8	5518.4	5562.1	5527.9	5490.1	5798.4	5870.4	6755.2	7423.7	7298.2	4963.1
50°	5799.0	5806.1	5847.4	5785.5	5797.3	6094.4	6187.5	7082.4	7974.9	7846.4	5326.2
52.5°	6196.4	6198.1	6255.3	6199.3	6143.9	6311.3	6460.5	7390.7	8407.0	8346.3	5689.4
55°	6507.6	6526.5	6714.0	6702.2	6670.3	6508.2	6688.6	7684.3	8792.6	8821.5	6074.9
57.5°	6309.0	6382.7	6762.3	7029.9	7290.5	6998.1	6996.9	8015.0	9151.0	9287.8	6498.8
60°	5525.5	5625.7	6185.2	6778.8	7594.1	7850.5	7637.1	8418.8	9513.0	9750.0	7029.9
62.5°	3946.2	4111.3	4869.4	5817.3	7177.9	8415.3	8940.0	9059.6	10005.2	10285.2	7720.3
65°	1994.9	2119.9	2755.4	3897.3	5734.8	8046.3	10356.0	10462.7	10860.6	11109.4	8783.2
67.5°	1212.0	1259.2	1569.3	2167.6	3515.9	6267.7	10818.2	12801.3	12515.9	12648.0	10298.8
70°	893.1	927.9	1121.3	1439.6	2022.0	3678.0	9399.8	14470.2	14282.7	14268.0	11418.9
72°	695.6	721.0	891.9	1163.1	1478.5	2206.5	6813.0	13854.1	14788.5	14714.2	11316.3
72.5°	659.7	682.1	837.7	1094.7	1397.1	2000.2	6125.6	13438.5	14752.0	14718.4	11183.6
75°	519.4	535.3	620.2	846.5	1093.5	1134.8	3356.7	10414.3	13086.6	13630.7	10058.9
77.5°	429.8	432.1	476.9	616.0	852.4	802.3	1648.9	7225.7	9370.9	9969.3	7125.4
80°	350.2	353.1	374.3	432.1	644.9	593.6	782.9	4154.9	5246.7	5253.1	3388.5
82.5°	278.8	279.4	303.0	316.0	463.4	424.4	448.6	1950.7	2292.6	2205.4	1217.9
85°	196.3	192.2	295.9	259.4	303.0	272.4	247.6	772.3	947.9	906.7	381.4
87.5°	65.4	67.8	131.5	168.0	176.9	154.5	110.2	295.9	357.8	354.9	120.9
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°	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3	2106.3
2.5°	2116.9	2098.1	2070.4	2039.7	2015.5	1990.8	1972.5	1963.1	1952.5	1943.6	1954.2
5°	2139.3	2104.0	2045.0	1987.2	1944.8	1907.1	1880.0	1865.8	1852.8	1844.0	1845.2
7.5°	2175.9	2118.7	2019.7	1935.4	1876.4	1835.7	1808.0	1798.6	1790.4	1788.0	1790.9
10°	2214.8	2130.5	1986.1	1874.1	1806.9	1773.3	1760.9	1767.4	1773.3	1778.6	1784.5
12.5°	2259.0	2141.1	1937.1	1802.1	1745.0	1732.0	1744.4	1772.7	1793.3	1805.7	1813.3
15°	2316.8	2150.5	1880.5	1730.2	1691.9	1706.6	1748.5	1797.4	1833.4	1856.4	1859.9
17.5°	2369.8	2150.0	1808.0	1657.7	1648.9	1691.9	1755.0	1824.0	1872.3	1904.7	1911.2
20°	2424.7	2134.0	1723.7	1587.0	1605.2	1676.0	1757.9	1841.0	1899.4	1937.1	1946.0
22.5°	2476.0	2106.3	1631.2	1522.7	1568.7	1654.8	1746.7	1831.0	1889.4	1920.0	1929.5
25°	2510.7	2058.0	1537.4	1468.5	1536.3	1628.8	1710.2	1778.0	1821.6	1836.9	1839.3
27.5°	2528.4	1994.9	1449.0	1421.3	1502.7	1586.4	1642.4	1676.0	1688.4	1687.2	1684.8
30°	2530.8	1911.8	1373.0	1383.0	1463.8	1523.9	1550.4	1543.9	1528.0	1500.9	1503.3
32.5°	2523.1	1818.1	1309.3	1346.4	1414.2	1447.8	1449.0	1417.8	1375.3	1332.3	1320.5
35°	2525.5	1726.1	1253.3	1305.2	1354.1	1368.8	1355.3	1309.3	1251.5	1196.1	1184.3
37.5°	2551.4	1645.9	1205.0	1257.4	1287.5	1291.0	1271.6	1223.2	1180.8	1126.6	1121.8
40°	2613.3	1588.7	1159.0	1203.8	1220.9	1222.6	1194.9	1160.8	1164.3	1135.4	1134.8
42.5°	2724.7	1564.0	1118.3	1147.8	1158.4	1161.9	1140.7	1118.9	1149.6	1130.7	1124.2
45°	2868.6	1569.9	1084.1	1093.0	1112.4	1128.9	1115.9	1089.4	1101.2	1019.3	992.2
47.5°	3034.8	1607.6	1057.0	1045.8	1079.4	1110.6	1090.6	1050.5	1008.7	927.3	912.0
50°	3229.4	1666.0	1032.2	999.2	1043.4	1085.9	1065.8	1008.7	945.6	906.1	900.8
52.5°	3432.1	1737.3	1007.5	947.9	998.0	1067.0	1057.0	999.2	921.4	882.5	875.4
55°	3662.1	1809.2	976.2	888.4	949.1	1058.2	1052.9	965.0	903.1	881.3	876.0
57.5°	3948.0	1891.2	935.0	826.5	903.1	1026.3	1009.8	944.4	884.3	867.8	866.0
60°	4320.5	2012.0	875.4	760.5	847.1	977.4	973.9	914.3	854.2	842.4	840.1
62.5°	4879.4	2211.9	793.5	694.4	784.6	894.3	926.7	873.7	822.4	821.8	823.0
65°	5746.0	2512.5	704.5	636.7	721.6	824.1	871.9	831.8	789.9	801.7	803.5
67.5°	6750.5	2761.9	617.2	580.1	657.3	757.5	822.4	789.9	746.9	777.6	778.2
70°	7084.8	2539.0	540.6	524.1	590.7	693.3	768.7	744.0	700.3	731.0	728.0
72°	6593.1	2049.7	491.1	481.6	540.6	640.2	721.0	700.9	657.9	678.5	670.9
72.5°	6438.1	1954.2	478.7	471.0	527.0	626.7	708.6	690.3	647.3	665.0	657.9
75°	5743.0	1697.2	411.5	413.2	459.8	560.6	639.0	633.1	588.9	590.7	588.3
77.5°	4165.5	1244.5	346.6	358.4	391.4	492.8	568.9	565.3	517.0	508.2	506.4
80°	1933.0	634.9	282.4	287.7	321.9	412.1	485.2	480.5	441.5	430.3	423.9
82.5°	662.0	301.8	212.2	215.8	249.4	331.9	420.9	418.0	385.5	363.7	350.2
85°	236.4	150.3	148.6	145.0	178.0	261.2	366.7	350.8	303.0	258.2	257.0
87.5°	76.6	64.3	76.6	76.0	103.8	176.9	266.5	227.0	219.9	182.7	179.2
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)