

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: P318676

Luminaire Tested: **GAN-SA2B-730-U-T4FT**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P318676  
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-SA2B-730-U-T4FT  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 800mA 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: 10712 lumens  
Efficiency: N/A  
Efficacy: 126.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

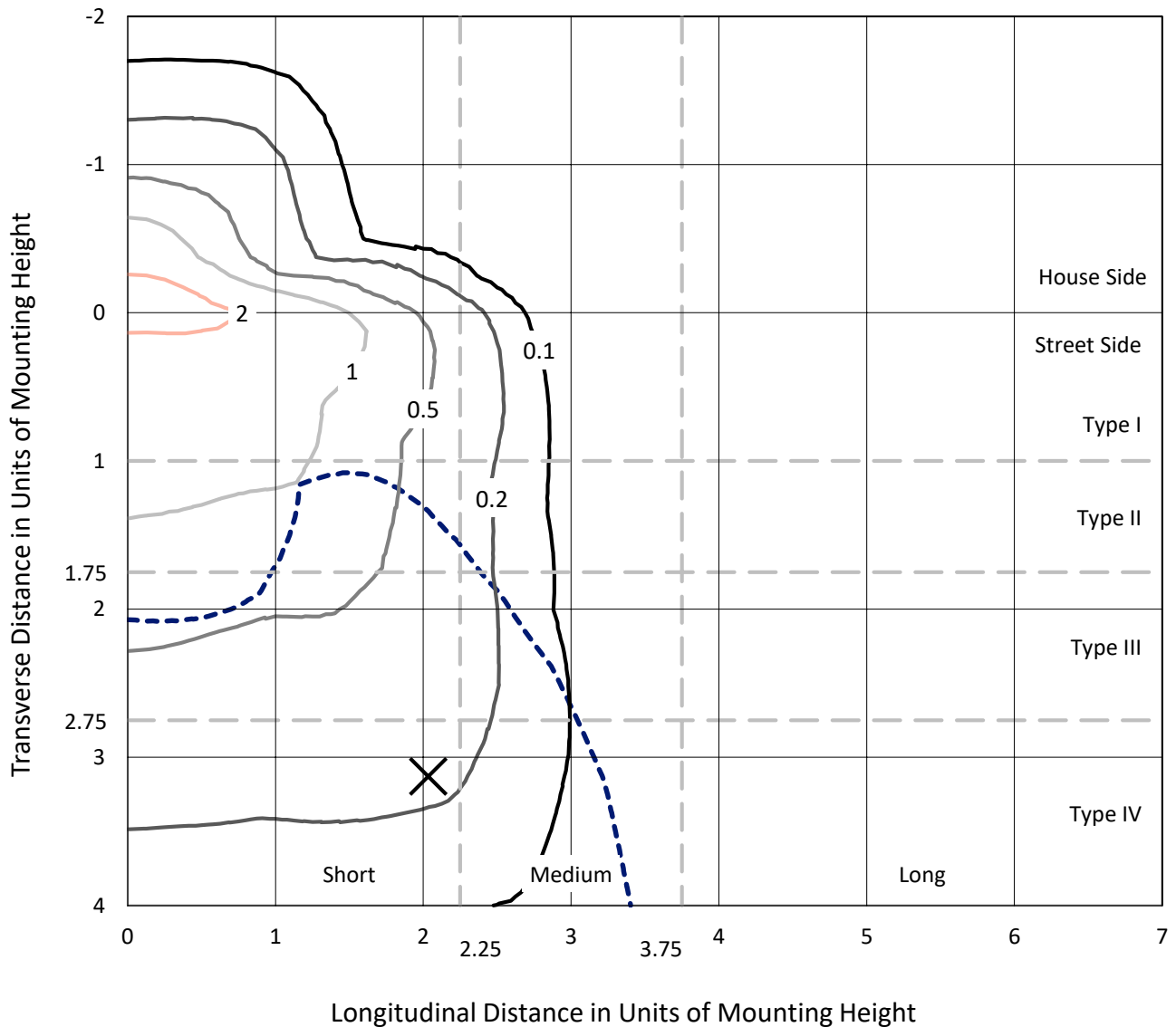
Input Watts (W): 85  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

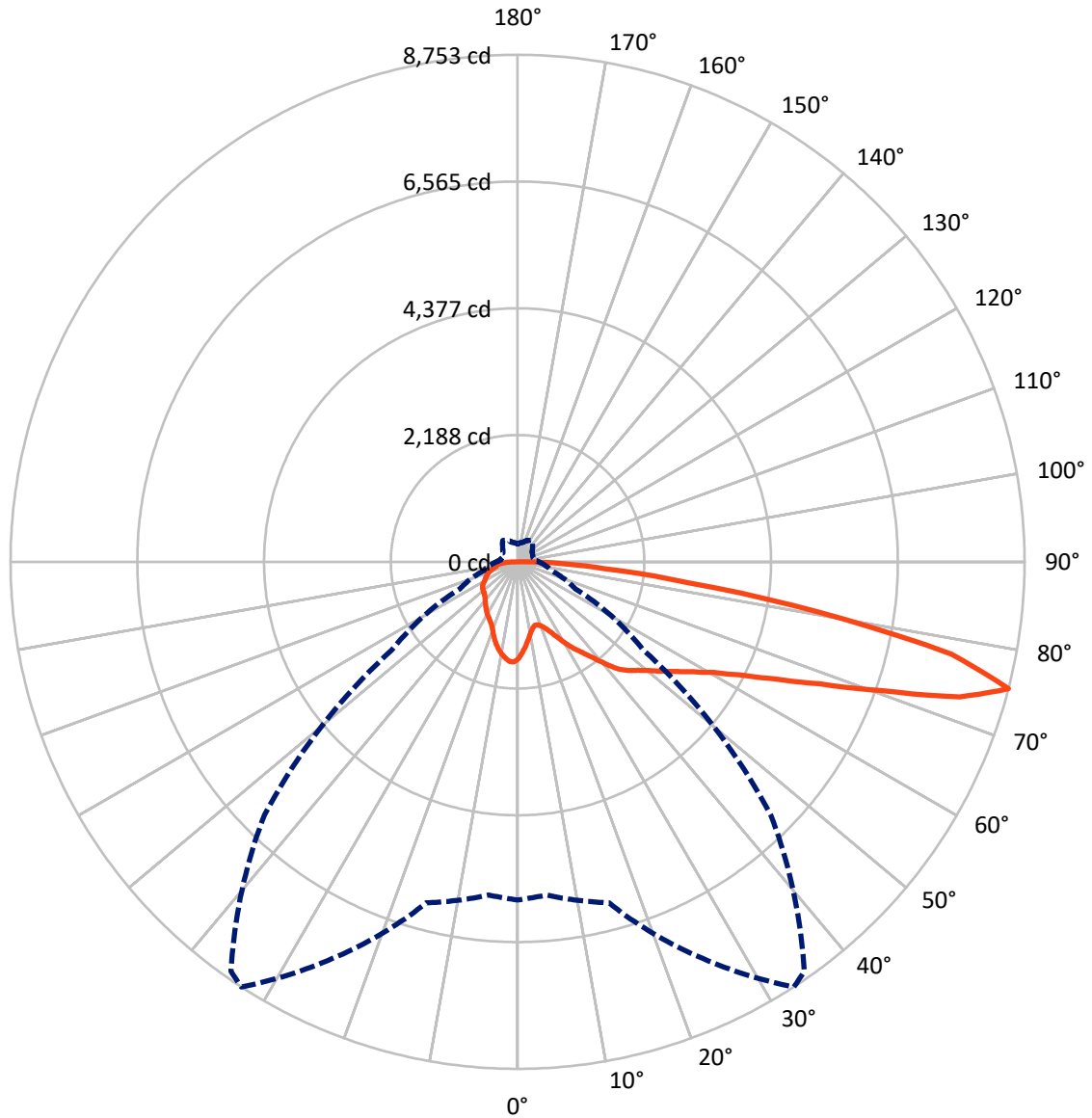
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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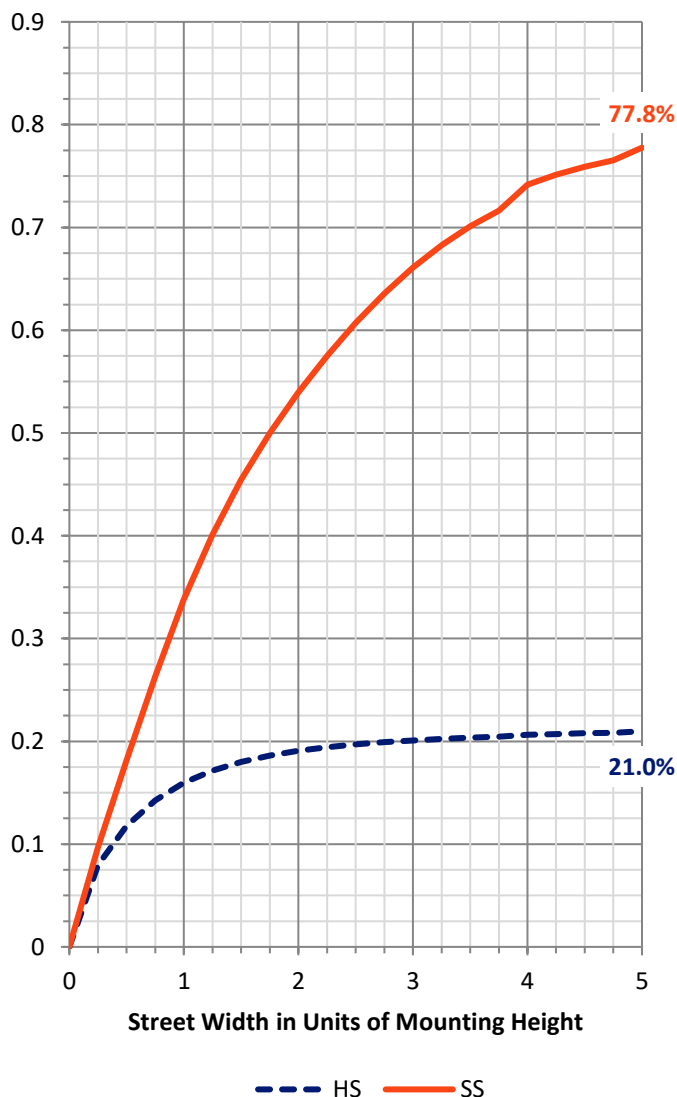
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2300.2	0.0	2300.2
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	8411.8	0.0	8411.8
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	10712.0	0.0	10712.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	151.4	1.4
10°-20°	410.1	3.8
20°-30°	669.8	6.3
30°-40°	997.5	9.3
40°-50°	1430.6	13.4
50°-60°	1964.0	18.3
60°-70°	2458.9	23.0
70°-80°	2224.4	20.8
80°-90°	405.2	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°	10712.0	100.0
0°-180°	10712.0	100.0

**Coefficient of Utilization**

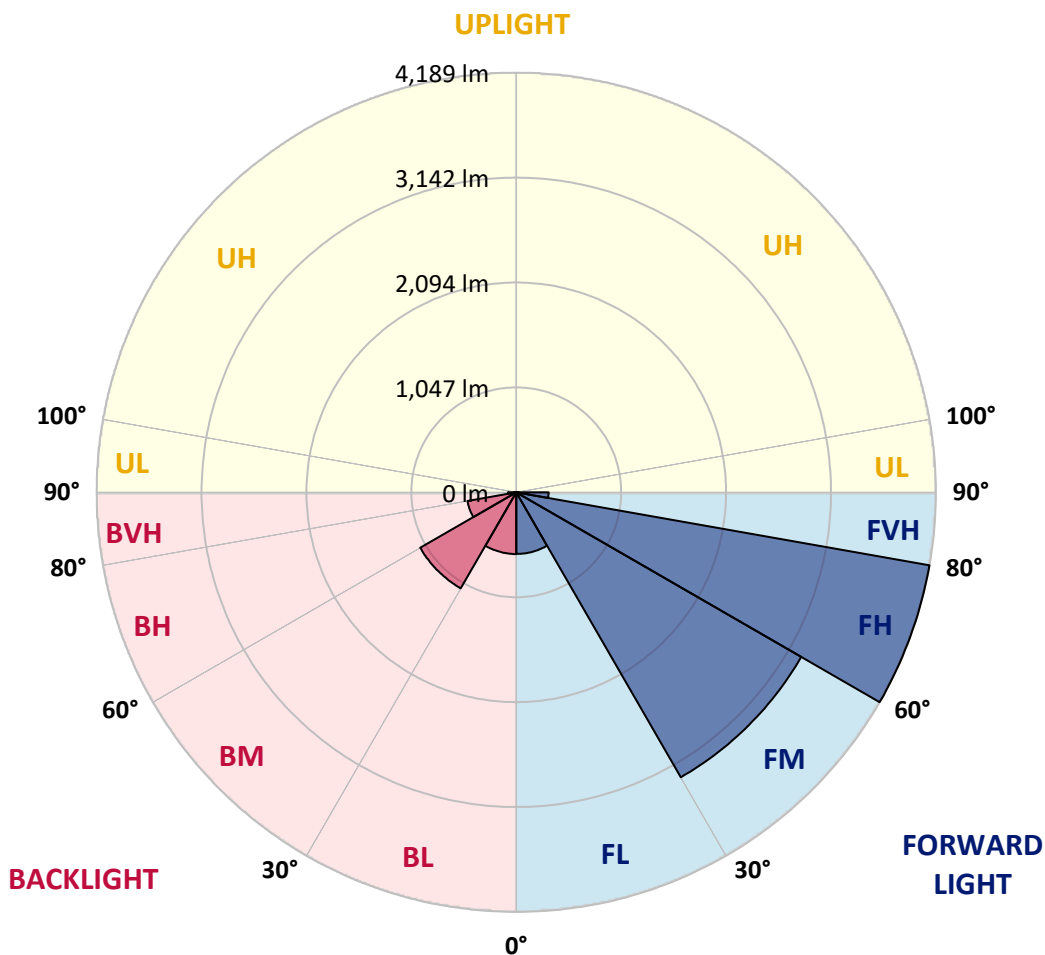


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	615.2	5.7			
FM (30°-60°)	3285.1	30.7			
FH (60°-80°)	4188.8	39.1			G2/5000
FVH (80°-90°)	322.7	3.0			G3/500
BL (0°-30°)	616.1	5.8	B2/1000		
BM (30°-60°)	1107.0	10.3	B2/2500		
BH (60°-80°)	494.6	4.6	B1/500		G1/500
BVH (80°-90°)	82.5	0.8			G1/100
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°	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3
2.5°	1554.8	1548.9	1560.0	1561.5	1571.1	1574.8	1588.1	1608.9	1625.9	1645.5	1663.2
5°	1413.9	1409.8	1425.3	1436.4	1457.5	1466.4	1497.8	1541.9	1581.1	1625.5	1665.8
7.5°	1279.9	1277.7	1295.1	1320.2	1344.7	1356.9	1411.3	1475.3	1540.8	1612.6	1674.3
10°	1167.0	1166.3	1183.0	1207.7	1243.6	1257.3	1327.6	1412.0	1503.8	1602.6	1688.8
12.5°	1103.8	1106.4	1114.1	1134.9	1168.2	1181.8	1259.9	1359.1	1472.7	1599.2	1709.9
15°	1119.3	1123.4	1110.1	1109.3	1133.0	1143.7	1217.0	1321.3	1450.5	1604.8	1740.6
17.5°	1185.5	1186.3	1151.1	1128.9	1143.4	1148.9	1203.7	1299.9	1437.5	1617.4	1779.1
20°	1278.8	1276.9	1214.8	1177.8	1185.5	1187.0	1222.5	1300.3	1436.4	1639.2	1829.0
22.5°	1402.4	1388.7	1305.1	1254.7	1252.9	1250.7	1271.0	1327.6	1452.7	1674.7	1888.6
25°	1563.7	1550.8	1435.7	1366.9	1352.1	1346.5	1349.5	1386.1	1484.9	1712.8	1955.2
27.5°	1743.2	1720.6	1609.6	1512.3	1481.6	1473.8	1456.0	1468.6	1520.0	1749.5	2034.4
30°	1893.4	1881.2	1784.2	1668.8	1632.5	1621.4	1574.8	1561.1	1570.7	1799.4	2134.3
32.5°	1977.4	1969.3	1910.4	1817.2	1783.5	1768.0	1702.1	1674.7	1652.1	1878.2	2269.7
35°	2079.1	2074.0	2038.4	1970.7	1920.8	1904.5	1853.4	1824.9	1766.9	1986.6	2444.7
37.5°	2208.7	2203.1	2203.8	2149.1	2089.5	2074.3	2040.7	2010.7	1915.6	2129.1	2634.9
40°	2355.2	2344.5	2340.4	2337.8	2300.1	2291.5	2273.8	2233.1	2102.1	2299.3	2822.5
42.5°	2575.7	2537.6	2456.2	2486.9	2524.3	2519.8	2534.3	2475.8	2309.3	2500.6	3005.7
45°	2788.5	2725.9	2585.3	2592.0	2673.8	2698.6	2806.6	2765.2	2533.9	2721.1	3195.1
47.5°	2885.4	2838.1	2718.5	2718.9	2799.9	2851.4	3088.2	3058.6	2770.0	2971.6	3426.4
50°	2993.8	2946.5	2839.2	2879.5	2950.2	3004.9	3360.2	3345.0	2994.6	3245.8	3703.5
52.5°	3112.2	3032.0	2963.9	3036.0	3135.2	3198.8	3632.5	3591.1	3200.7	3521.9	4022.1
55°	3113.7	3091.9	3143.7	3196.6	3345.0	3423.1	3917.8	3808.3	3368.7	3793.1	4281.5
57.5°	3291.0	3255.4	3365.3	3389.8	3583.7	3671.7	4201.6	3997.3	3539.6	4001.0	4421.4
60°	3525.6	3495.2	3585.1	3649.5	3878.9	3996.6	4504.6	4191.6	3673.9	4157.9	4414.7
62.5°	3930.7	3896.3	3895.2	3985.5	4294.5	4431.4	4844.7	4382.2	3727.2	4189.0	4226.4
65°	4523.9	4469.1	4365.9	4408.8	4868.4	5004.9	5224.7	4520.2	3656.9	4022.5	3741.3
67.5°	5101.1	5099.3	4972.3	5060.4	5626.2	5735.7	5657.6	4533.9	3437.5	3442.7	2880.6
70°	5676.5	5683.9	5662.4	5968.8	6650.0	6764.0	6118.7	4350.0	2944.3	2486.2	1725.8
72.5°	6132.4	6130.5	6238.6	7028.6	7978.8	7953.2	6507.2	3792.7	2113.9	1342.1	824.8
75°	5837.1	5772.7	6094.6	7553.2	8753.2	8628.5	6176.8	2645.7	1097.1	610.9	444.0
77.5°	3807.1	3868.2	4340.7	6239.7	7656.5	7504.8	4531.6	1234.4	516.9	400.7	321.9
80°	1378.7	1443.1	2032.5	3534.4	5275.0	5250.2	2231.6	507.3	349.7	302.7	234.6
82.5°	474.4	498.0	801.8	1569.6	2978.3	3089.3	839.6	288.2	254.2	214.6	160.6
85°	186.1	213.1	366.7	755.2	1502.3	1513.4	340.0	172.4	176.9	140.6	88.1
87.5°	70.7	85.8	175.4	350.8	686.0	630.1	121.7	82.1	100.6	83.6	41.8
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°	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3	1674.3
2.5°	1676.9	1684.7	1701.0	1712.1	1723.9	1727.3	1728.7	1731.7	1734.7	1733.5	1733.9
5°	1687.3	1702.5	1728.7	1739.8	1745.0	1739.1	1727.6	1718.4	1711.7	1708.0	1706.9
7.5°	1704.3	1725.8	1753.9	1752.1	1740.2	1713.9	1684.3	1662.1	1643.6	1637.0	1633.3
10°	1726.9	1752.1	1771.7	1750.6	1716.2	1670.6	1626.2	1591.8	1564.1	1553.3	1551.5
12.5°	1755.8	1781.3	1785.0	1740.2	1683.2	1621.1	1560.7	1515.2	1473.8	1460.5	1457.5
15°	1793.1	1817.2	1794.2	1722.1	1642.5	1558.9	1480.8	1419.0	1375.4	1359.1	1353.2
17.5°	1832.3	1855.3	1796.1	1692.1	1589.2	1485.3	1387.2	1323.9	1274.0	1255.1	1252.9
20°	1879.3	1889.7	1788.3	1649.2	1516.0	1389.8	1286.6	1227.0	1200.3	1187.0	1185.5
22.5°	1937.4	1926.3	1770.6	1591.1	1423.1	1279.5	1195.5	1167.8	1161.1	1158.2	1159.3
25°	1998.9	1964.8	1744.3	1515.2	1305.8	1169.3	1128.9	1136.7	1145.6	1144.5	1144.5
27.5°	2066.6	2004.0	1703.9	1414.6	1175.9	1079.0	1083.8	1112.3	1125.6	1125.2	1124.9
30°	2153.5	2048.4	1652.5	1293.6	1054.6	1015.3	1044.6	1079.4	1097.5	1096.7	1097.1
32.5°	2260.5	2097.3	1582.6	1158.5	966.9	968.3	1002.0	1036.4	1057.5	1055.7	1056.0
35°	2385.5	2152.0	1487.9	1025.3	908.8	931.0	957.6	981.7	1001.6	999.1	996.5
37.5°	2521.7	2205.7	1362.0	906.2	861.4	896.2	918.4	922.5	931.7	925.1	920.2
40°	2651.2	2246.8	1200.0	808.5	813.7	866.6	881.0	864.7	848.1	845.9	839.2
42.5°	2764.1	2260.5	1036.1	730.4	763.4	835.5	844.4	810.3	780.4	766.3	760.4
45°	2883.2	2265.3	883.2	664.9	714.9	807.8	817.4	771.9	729.7	699.3	689.3
47.5°	3039.0	2300.1	764.5	616.5	677.9	789.3	802.9	741.2	686.4	643.1	633.8
50°	3242.9	2368.9	667.9	579.5	653.8	777.0	792.6	711.2	650.9	598.7	589.4
52.5°	3469.3	2432.1	589.8	549.5	630.5	755.6	779.3	689.7	617.6	557.6	547.6
55°	3627.7	2383.7	526.9	518.4	600.2	724.9	760.8	671.6	569.8	517.7	508.8
57.5°	3658.0	2217.9	479.2	486.2	563.5	686.4	732.3	631.3	543.9	500.3	491.0
60°	3575.1	1987.0	443.7	456.6	524.3	637.9	679.0	602.8	519.1	481.8	474.0
62.5°	3366.8	1750.6	417.4	430.0	487.7	588.7	645.7	572.8	494.0	460.7	452.9
65°	2946.1	1469.7	392.2	406.3	453.6	546.2	615.7	545.0	469.2	443.7	436.3
67.5°	2223.8	1100.8	368.5	381.1	423.3	509.1	583.2	517.7	445.1	428.9	420.0
70°	1309.5	689.3	341.5	354.9	391.5	470.7	548.4	487.7	415.2	407.8	396.3
72.5°	609.4	414.8	310.8	323.8	351.5	419.2	503.6	448.5	379.6	363.4	347.8
75°	363.7	303.4	274.6	286.0	305.6	364.5	447.4	408.5	346.0	324.5	308.2
77.5°	272.0	232.0	234.6	246.8	262.7	319.0	396.3	377.1	320.1	303.4	292.3
80°	195.7	176.1	191.3	204.6	221.3	290.1	379.6	348.6	289.4	267.2	256.8
82.5°	130.6	126.5	143.9	157.6	173.9	253.8	356.7	305.3	247.2	219.1	196.1
85°	72.2	76.2	96.9	102.9	116.9	178.7	292.3	245.3	186.1	149.9	143.2
87.5°	30.0	35.2	52.2	50.3	62.2	106.6	192.4	148.0	118.4	88.4	68.8
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)