

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: P319645

Luminaire Tested: **GAN-SA1C-730-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319645
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA1C-730-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6745 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

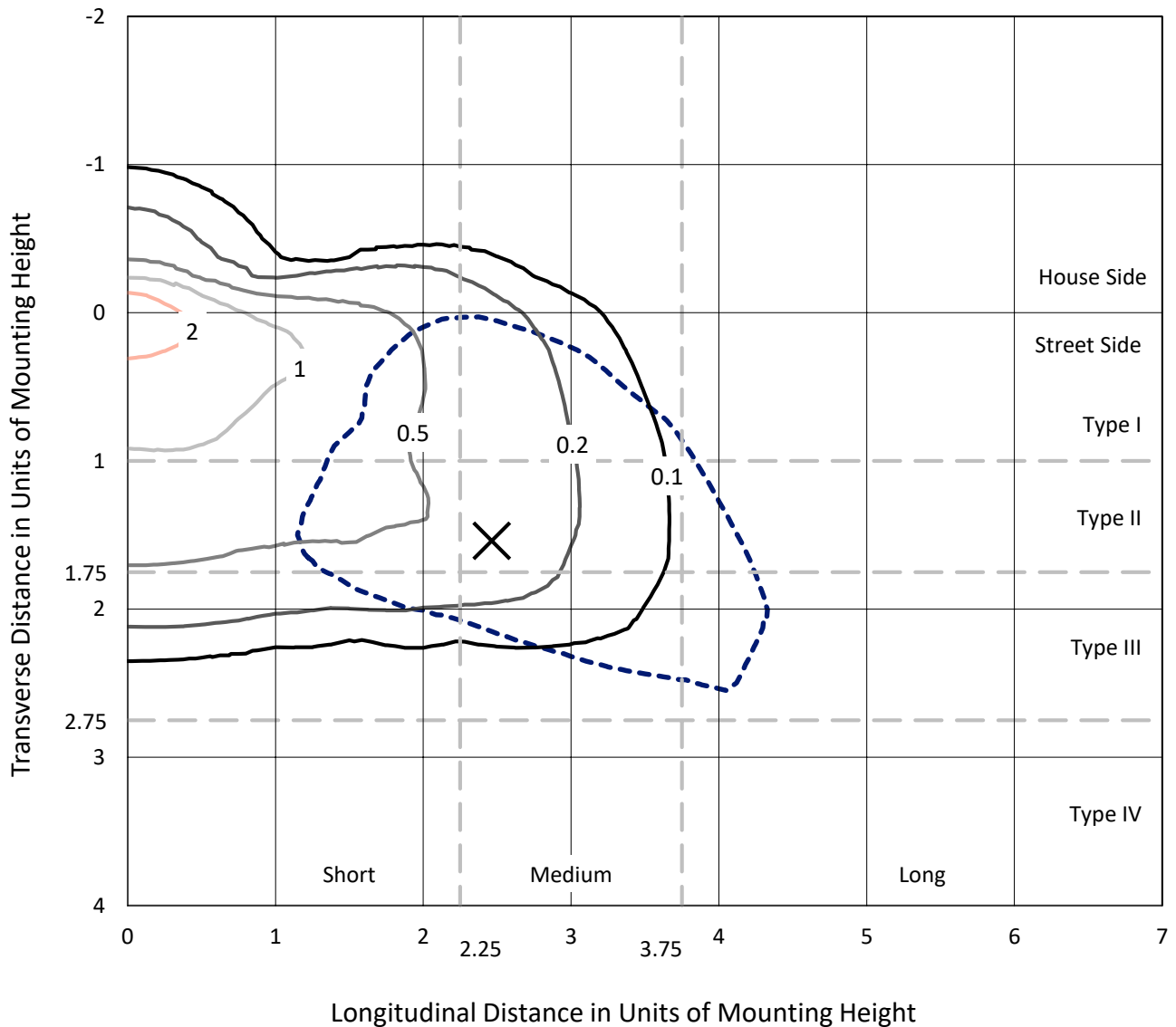
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

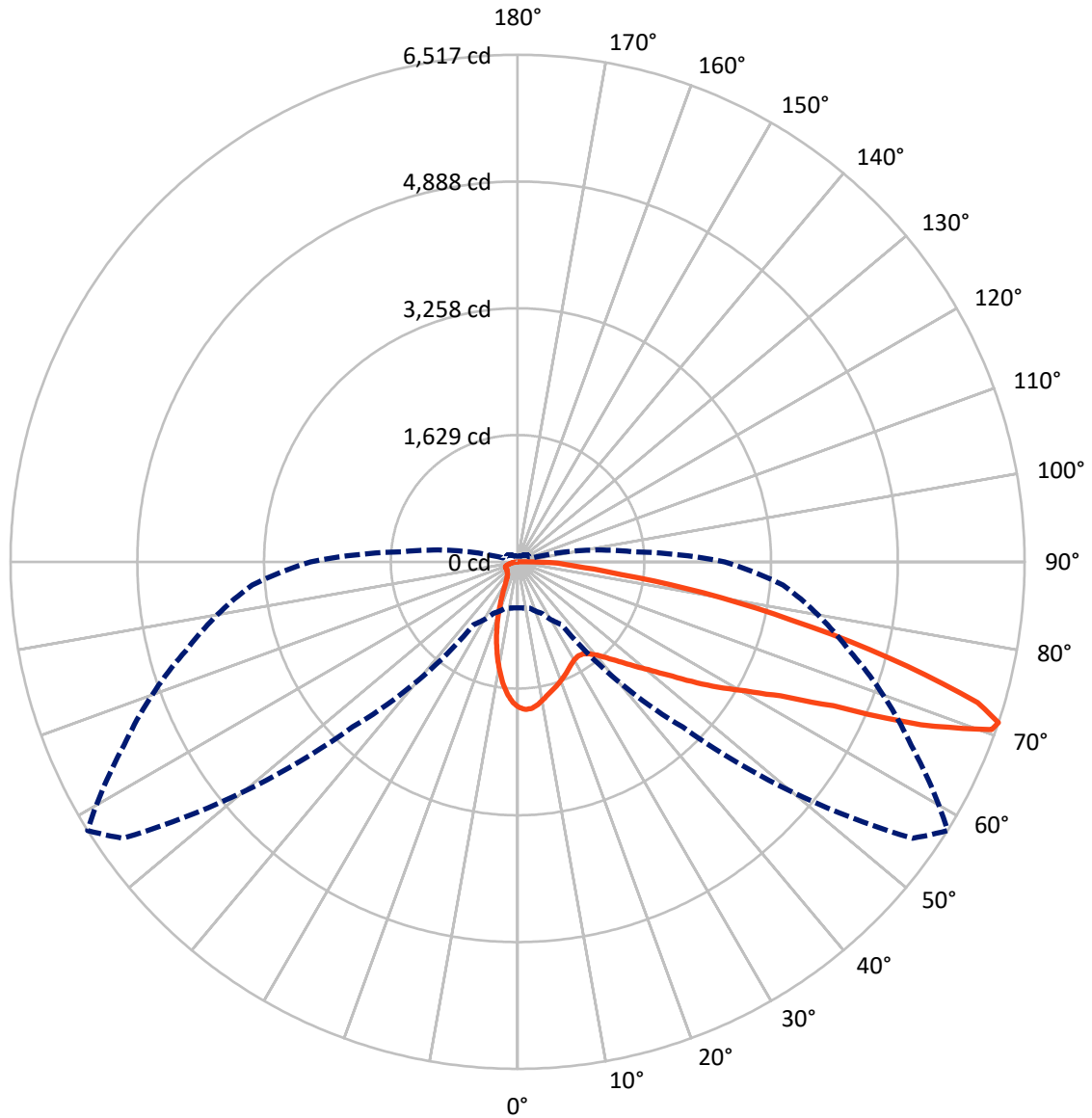
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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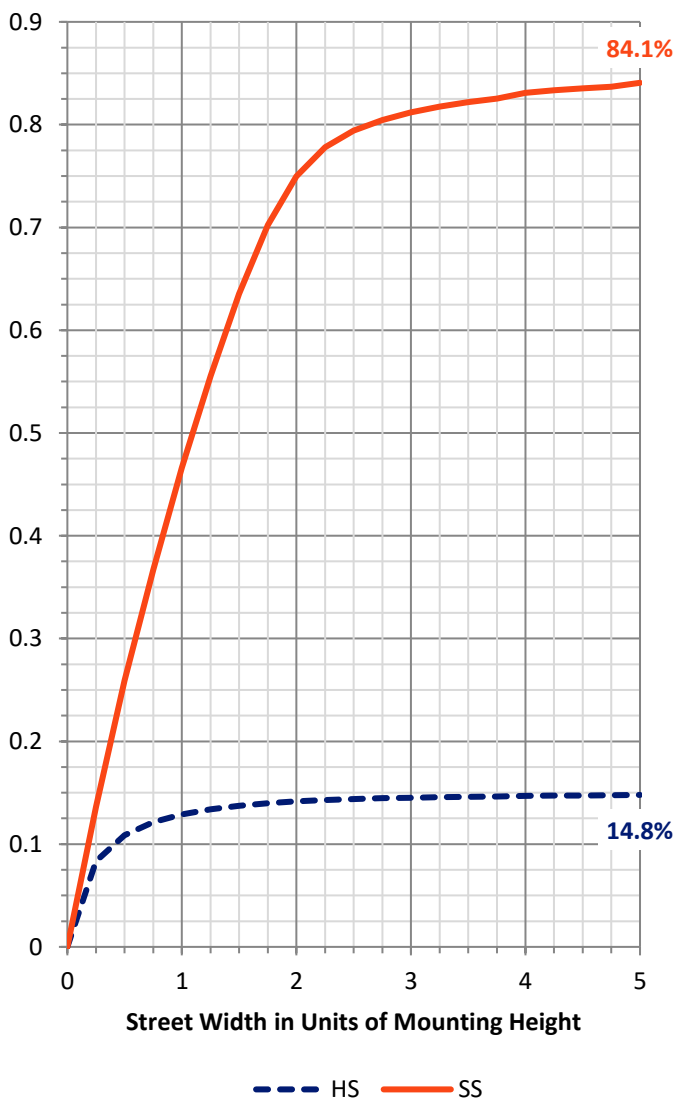
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1008.4	0.0	1008.4
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	5736.6	0.0	5736.6
	% Fixture	85.0	0.0	85.0
Total	Lumens	6745.0	0.0	6745.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.2	2.4
10°-20°	358.5	5.3
20°-30°	455.6	6.8
30°-40°	580.4	8.6
40°-50°	823.0	12.2
50°-60°	1273.6	18.9
60°-70°	1733.8	25.7
70°-80°	1156.7	17.1
80°-90°	202.2	3.0
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°	6745.0	100.0
0°-180°	6745.0	100.0

Coefficient of Utilization

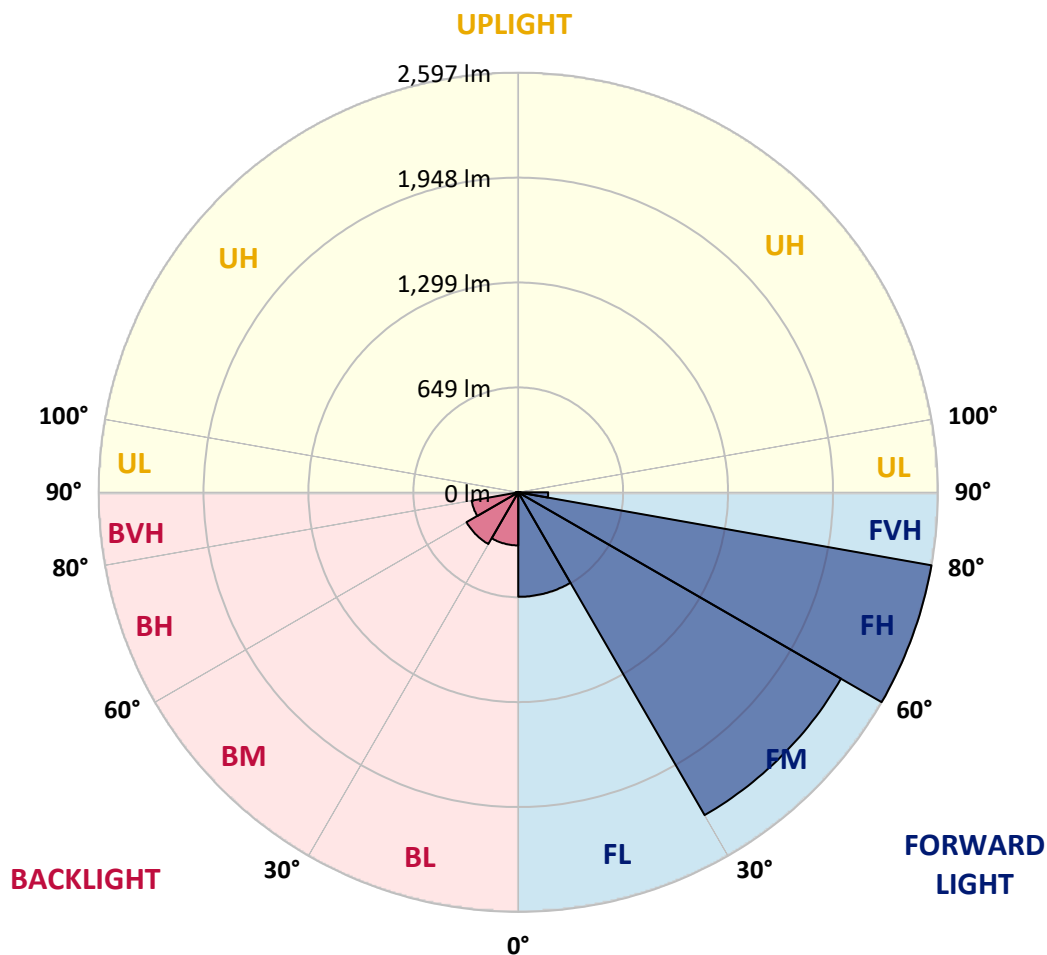


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	646.6	9.6			
FM (30°-60°)	2307.1	34.2			
FH (60°-80°)	2597.4	38.5			G2/5000
FVH (80°-90°)	185.4	2.7			G2/225
BL (0°-30°)	328.7	4.9	B1/500		
BM (30°-60°)	369.8	5.5	B1/1000		
BH (60°-80°)	293.1	4.3	B1/500		G1/500
BVH (80°-90°)	16.8	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	1868.8	1868.8	1868.8	1868.8	1868.8	1868.8	1868.8	1868.8	1868.8	1868.8	1868.8
2.5°	1918.4	1915.8	1916.7	1914.9	1910.4	1905.9	1899.4	1900.5	1891.4	1877.7	1860.8
5°	1882.2	1881.3	1888.3	1892.3	1895.6	1893.0	1891.1	1893.5	1880.1	1861.3	1831.9
7.5°	1806.3	1796.0	1804.9	1818.3	1831.0	1840.6	1853.3	1855.0	1846.5	1826.8	1788.2
10°	1698.5	1688.6	1701.8	1722.7	1748.1	1771.1	1796.7	1801.4	1803.0	1785.2	1738.4
12.5°	1586.6	1579.1	1592.3	1621.6	1663.7	1699.2	1740.1	1747.1	1761.7	1749.7	1692.4
15°	1486.5	1483.7	1499.7	1528.6	1577.0	1631.3	1690.3	1703.2	1727.8	1723.8	1656.4
17.5°	1400.1	1399.4	1411.6	1441.9	1495.5	1564.1	1640.7	1662.5	1699.2	1703.9	1626.8
20°	1335.7	1334.3	1342.8	1365.1	1420.3	1498.1	1587.1	1617.2	1670.0	1686.5	1596.3
22.5°	1301.2	1300.9	1301.2	1311.7	1356.9	1429.2	1534.9	1571.6	1641.6	1672.6	1562.4
25°	1295.3	1294.6	1289.4	1288.2	1313.9	1371.7	1483.3	1523.7	1614.6	1663.0	1530.2
27.5°	1310.6	1311.5	1304.7	1293.7	1298.8	1333.8	1438.4	1481.6	1593.0	1661.1	1507.9
30°	1342.3	1341.8	1335.9	1324.4	1314.3	1319.7	1406.4	1449.7	1578.4	1669.3	1492.7
32.5°	1377.3	1379.9	1378.7	1372.4	1357.3	1335.7	1396.8	1439.1	1574.2	1689.1	1486.1
35°	1419.4	1422.2	1430.6	1435.6	1417.9	1383.2	1417.5	1454.1	1586.4	1726.2	1496.7
37.5°	1459.3	1466.6	1490.3	1511.2	1496.2	1457.4	1472.5	1498.5	1624.2	1784.7	1525.1
40°	1505.3	1511.7	1550.5	1594.9	1592.5	1552.3	1561.0	1578.4	1691.0	1868.6	1576.5
42.5°	1550.7	1563.4	1619.5	1682.5	1700.6	1665.1	1679.0	1688.1	1784.9	1979.7	1666.3
45°	1611.1	1624.7	1702.7	1778.6	1820.9	1800.9	1823.0	1826.5	1903.1	2131.0	1796.7
47.5°	1702.5	1718.0	1808.9	1888.6	1953.2	1955.3	1991.7	1990.3	2050.7	2304.2	1960.9
50°	1844.9	1867.2	1941.7	2016.1	2094.6	2138.3	2186.9	2180.1	2227.6	2488.6	2150.1
52.5°	2031.4	2041.7	2097.0	2151.9	2249.4	2347.4	2417.2	2411.1	2428.2	2678.2	2364.8
55°	2224.8	2232.5	2255.3	2285.4	2416.5	2576.3	2723.8	2714.2	2670.7	2875.1	2577.0
57.5°	2398.6	2414.4	2430.1	2442.6	2584.7	2815.4	3037.5	3038.2	2933.9	3087.5	2796.2
60°	2425.7	2439.5	2543.6	2641.8	2872.5	3134.5	3373.2	3366.2	3206.2	3318.0	3040.5
62.5°	2144.2	2175.4	2349.3	2610.6	3149.8	3718.1	3801.5	3792.8	3531.8	3602.1	3325.1
65°	1536.6	1572.1	1781.9	2174.5	3015.4	4361.2	4574.5	4457.5	3975.9	3951.4	3658.2
67.5°	886.5	894.9	985.9	1301.2	2296.0	4394.8	5753.8	5590.0	4665.5	4347.8	3821.3
70°	655.5	655.3	676.9	800.7	1242.4	3586.8	6314.6	6461.4	5391.5	4478.2	3590.8
71°	592.8	593.5	617.7	728.8	984.0	3002.2	6195.5	6516.9	5582.7	4413.8	3424.0
72.5°	507.0	509.4	543.0	653.6	827.7	2070.4	5682.3	6184.2	5673.4	4255.0	3162.9
75°	384.6	390.0	436.5	551.0	756.5	1050.0	4170.4	4938.2	5040.0	3754.5	2350.2
77.5°	274.4	280.5	333.2	463.3	719.2	791.3	2792.9	3602.1	3709.0	2406.2	1060.1
80°	173.4	180.7	220.4	368.6	675.7	751.4	1755.1	2421.2	2022.5	769.9	269.7
82.5°	101.7	107.4	136.7	240.8	551.9	723.7	1032.6	1342.1	787.1	232.6	122.6
85°	59.0	61.6	85.3	153.4	400.8	683.0	758.7	750.2	341.6	113.7	58.0
87.5°	27.5	30.5	50.5	80.1	222.5	495.0	599.6	518.1	212.4	53.3	27.3
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°	1868.8	1868.8	1868.8	1868.8	1868.8	1868.8	1868.8	1868.8	1868.8	1868.8	1868.8
2.5°	1852.6	1848.6	1831.9	1817.1	1801.6	1781.4	1759.1	1756.3	1742.6	1745.2	1740.5
5°	1816.0	1805.8	1765.7	1729.3	1686.3	1647.7	1605.9	1586.6	1558.9	1557.0	1550.0
7.5°	1763.6	1744.8	1682.5	1613.4	1544.3	1478.6	1413.5	1370.7	1327.0	1308.5	1306.8
10°	1704.6	1672.6	1581.0	1478.8	1379.2	1283.1	1190.0	1121.2	1059.2	1029.8	1028.6
12.5°	1648.7	1601.4	1475.7	1336.6	1200.4	1075.8	948.3	857.8	780.0	754.0	742.9
15°	1601.2	1534.7	1373.3	1195.4	1030.0	857.1	711.9	616.8	544.9	520.0	515.3
17.5°	1555.2	1469.6	1268.3	1052.8	852.9	662.8	517.4	446.6	408.3	398.2	398.0
20°	1509.3	1402.7	1158.6	906.9	681.6	495.8	397.8	366.1	353.1	352.0	350.1
22.5°	1457.4	1331.7	1043.2	760.5	531.9	389.8	338.1	325.4	323.8	328.0	328.0
25°	1408.8	1261.2	926.2	617.2	413.8	325.2	301.9	299.3	303.8	311.3	312.0
27.5°	1363.4	1193.3	812.0	489.9	331.5	286.4	276.8	279.8	287.8	296.5	296.7
30°	1326.1	1129.2	701.1	386.0	280.1	257.5	255.9	262.0	270.7	277.5	279.1
32.5°	1297.2	1074.4	594.0	310.4	246.5	235.9	237.3	242.5	247.9	251.6	254.2
35°	1283.8	1027.4	495.0	261.7	225.1	219.2	221.1	223.9	226.3	229.1	231.2
37.5°	1286.1	991.0	406.7	231.4	210.8	207.7	207.7	207.7	207.7	209.1	209.3
40°	1308.0	970.1	334.8	212.2	201.1	197.8	195.2	192.9	191.0	192.0	191.5
42.5°	1363.9	968.2	282.2	199.9	193.4	188.0	182.8	179.5	177.2	178.1	178.6
45°	1458.8	991.7	246.7	191.3	186.1	177.9	171.3	167.8	166.1	169.2	169.6
47.5°	1581.7	1043.0	225.1	184.9	179.3	168.5	161.4	158.1	158.6	163.1	164.2
50°	1740.1	1126.1	214.7	180.9	174.6	160.5	153.2	150.4	151.8	158.1	159.5
52.5°	1913.9	1246.0	215.9	179.7	171.5	154.6	146.8	143.6	145.9	151.8	153.0
55°	2114.6	1390.0	235.4	181.4	167.1	150.8	141.7	136.0	137.9	143.3	144.3
57.5°	2337.5	1554.9	274.7	180.9	161.4	147.3	136.3	127.8	129.2	132.5	133.5
60°	2569.7	1754.2	335.5	182.3	158.8	143.1	129.0	118.4	117.9	120.8	121.2
62.5°	2848.3	1984.6	405.1	183.3	160.5	137.7	119.4	109.0	107.6	108.3	108.8
65°	3135.4	2151.5	379.0	179.5	165.6	133.2	110.9	99.9	97.3	96.8	97.0
67.5°	3144.4	1972.7	265.7	172.0	167.8	130.9	104.6	92.1	87.9	86.2	86.0
70°	2819.9	1602.6	207.0	164.0	159.3	127.1	98.7	85.8	79.4	76.8	76.6
71°	2661.5	1475.3	196.2	160.0	153.0	123.4	96.1	82.9	76.4	73.5	73.1
72.5°	2413.2	1322.6	183.0	153.7	140.7	113.7	91.2	78.9	72.1	68.8	68.1
75°	1731.8	864.9	157.2	137.0	116.5	90.7	79.9	71.0	65.1	61.1	60.6
77.5°	667.3	344.2	118.9	114.0	89.3	71.0	65.8	61.3	57.1	53.1	52.9
80°	206.3	153.9	86.7	85.8	64.6	52.9	51.2	50.0	48.4	44.2	43.2
82.5°	110.2	88.3	59.7	55.4	42.3	35.2	37.1	37.6	37.8	33.4	32.9
85°	52.6	46.8	33.6	31.5	24.7	19.7	22.8	24.7	24.9	20.4	19.0
87.5°	25.1	24.4	15.7	12.0	9.2	6.6	8.0	9.9	10.8	7.8	6.8
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)