

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: P323485

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323485
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
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-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5761 lumens
Efficiency: N/A
Efficacy: 97.6 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

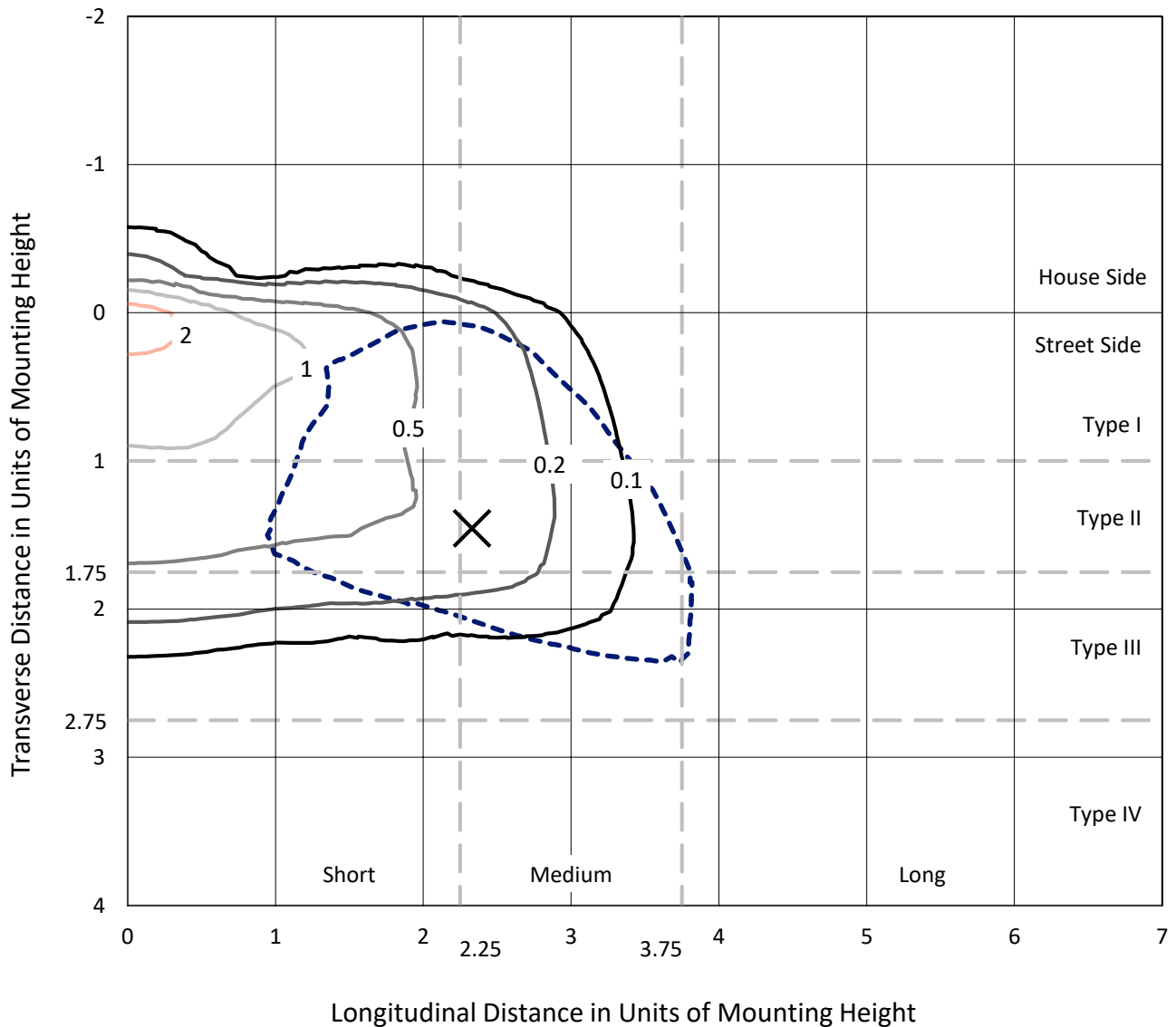
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

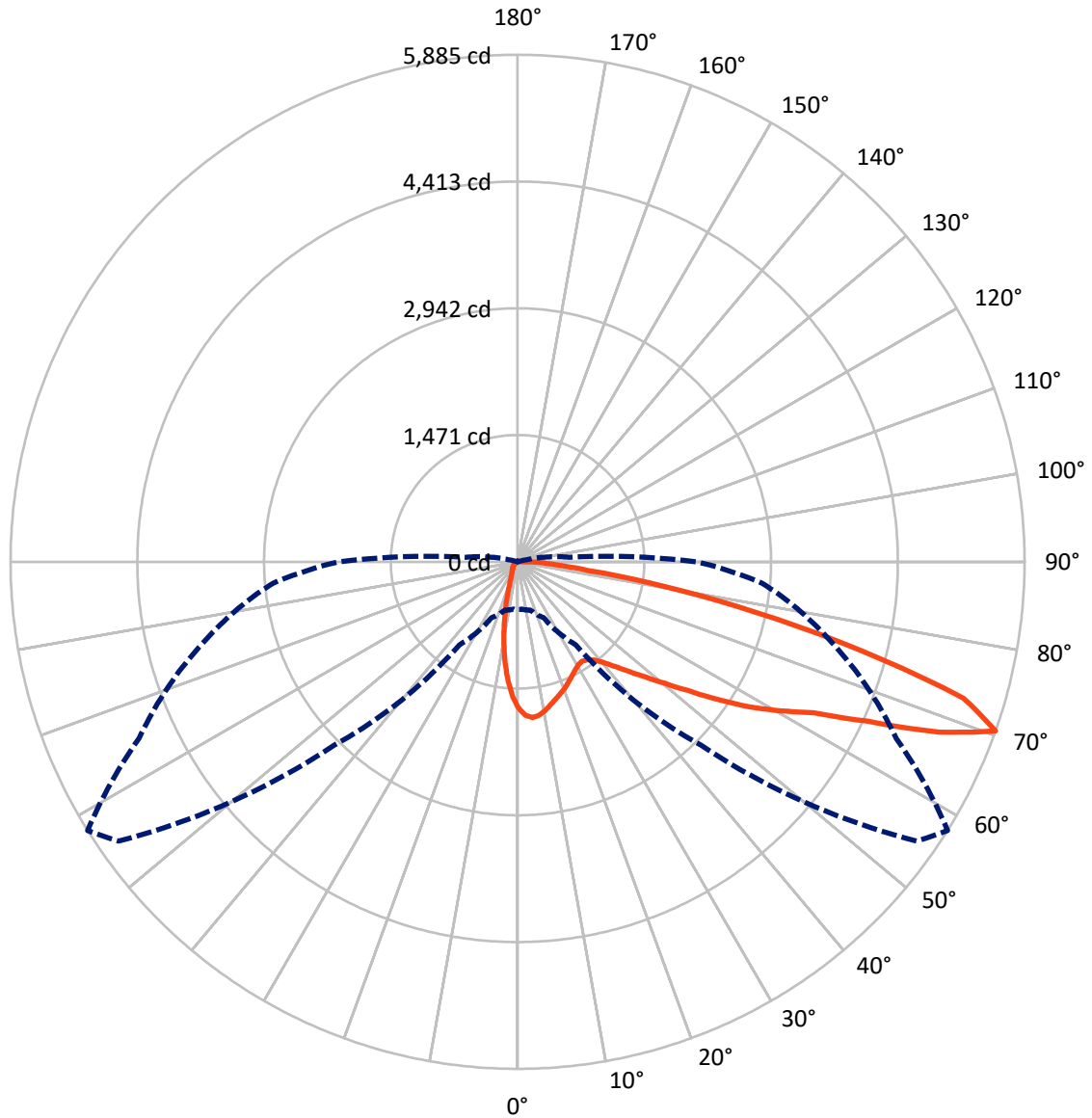
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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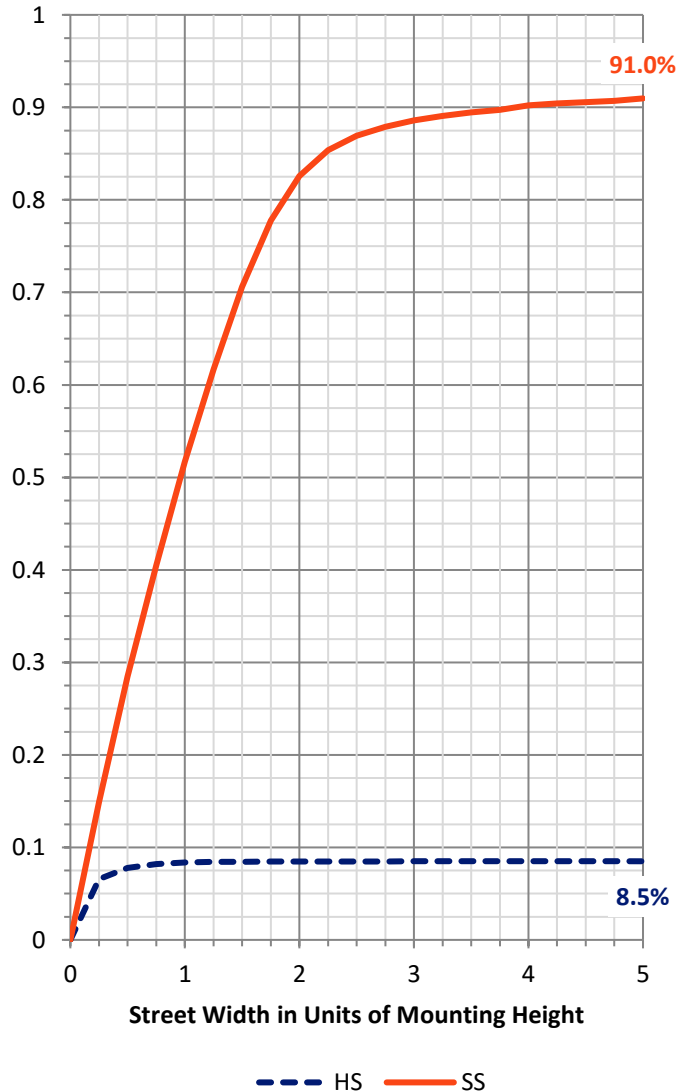
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	493.0	0.0	493.0
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	5268.0	0.0	5268.0
	% Fixture	91.4	0.0	91.4
Total	Lumens	5761.0	0.0	5761.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.2	2.4
10°-20°	292.1	5.1
20°-30°	384.0	6.7
30°-40°	508.5	8.8
40°-50°	760.1	13.2
50°-60°	1217.6	21.1
60°-70°	1534.8	26.6
70°-80°	827.9	14.4
80°-90°	96.9	1.7
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°	5761.0	100.0
0°-180°	5761.0	100.0

Coefficient of Utilization



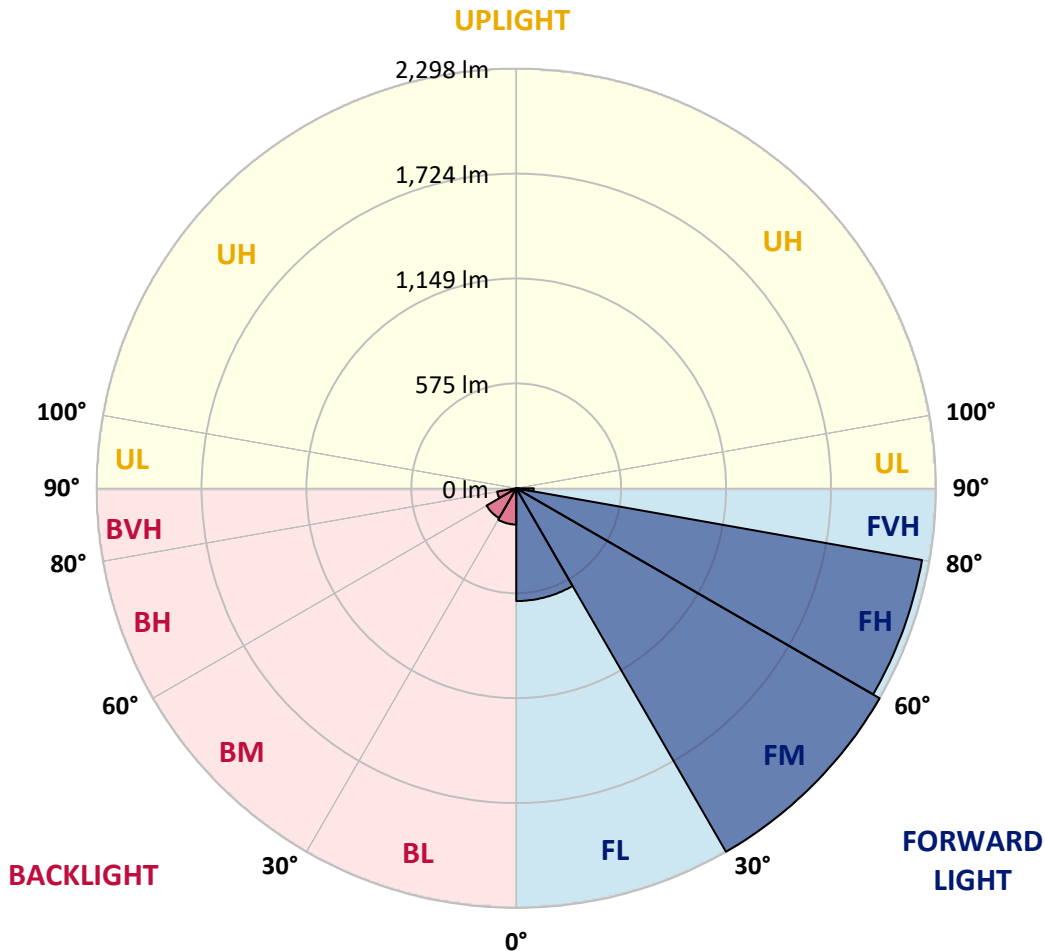
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	617.1	10.7			
FM (30°-60°)	2298.2	39.9			
FH (60°-80°)	2256.6	39.2			G2/5000
FVH (80°-90°)	96.1	1.7			G1/100
BL (0°-30°)	198.1	3.4	B1/500		
BM (30°-60°)	188.1	3.3	B0/220		
BH (60°-80°)	106.0	1.8	B0/110		G0/110
BVH (80°-90°)	0.8	0.0			G0/10
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°	1701.8	1701.8	1701.8	1701.8	1701.8	1701.8	1701.8	1701.8	1701.8	1701.8	1701.8
2.5°	1842.9	1838.3	1836.6	1833.8	1822.7	1812.0	1790.6	1784.7	1771.2	1739.4	1705.6
5°	1844.3	1844.1	1849.1	1847.9	1844.1	1839.0	1823.7	1815.8	1793.0	1747.5	1685.7
7.5°	1755.4	1760.0	1771.2	1780.3	1790.9	1804.5	1806.5	1798.8	1780.1	1731.0	1649.1
10°	1636.1	1643.3	1659.1	1677.1	1704.6	1732.0	1756.4	1755.4	1749.0	1700.6	1605.0
12.5°	1516.6	1525.0	1543.2	1569.8	1608.8	1653.4	1697.0	1703.0	1713.7	1673.3	1564.3
15°	1411.9	1419.1	1437.1	1469.6	1518.0	1577.9	1641.9	1652.9	1680.7	1651.9	1530.3
17.5°	1323.0	1327.6	1340.8	1376.9	1433.0	1505.6	1588.7	1610.3	1651.7	1635.2	1500.8
20°	1261.0	1261.7	1270.3	1295.7	1351.8	1433.0	1533.6	1564.5	1621.0	1620.8	1470.4
22.5°	1230.3	1227.9	1229.6	1244.2	1285.4	1363.8	1478.5	1515.2	1593.5	1608.6	1439.5
25°	1224.6	1222.7	1217.9	1219.8	1244.7	1303.2	1422.9	1465.3	1569.3	1601.2	1412.6
27.5°	1242.6	1244.5	1236.3	1227.7	1229.6	1263.9	1373.6	1422.7	1549.7	1601.2	1393.7
30°	1278.7	1279.7	1273.7	1262.4	1247.3	1252.9	1339.3	1388.4	1539.8	1612.2	1381.7
32.5°	1318.7	1324.0	1323.3	1314.2	1292.6	1270.3	1331.2	1376.0	1539.1	1636.6	1380.5
35°	1368.3	1374.3	1384.4	1382.5	1359.9	1323.3	1359.0	1394.2	1553.3	1676.9	1393.5
37.5°	1421.0	1430.1	1451.7	1462.0	1447.4	1405.9	1421.3	1446.4	1591.1	1742.0	1426.3
40°	1472.0	1482.3	1521.6	1562.1	1551.1	1508.5	1515.6	1535.8	1658.4	1835.7	1488.6
42.5°	1522.1	1537.4	1595.2	1661.8	1674.9	1640.9	1644.8	1660.8	1758.3	1964.6	1590.4
45°	1582.0	1599.2	1684.8	1766.9	1802.1	1787.3	1803.6	1814.1	1888.9	2134.9	1727.6
47.5°	1669.9	1689.8	1794.7	1888.4	1950.2	1959.8	1992.6	1999.5	2053.9	2333.2	1906.6
50°	1841.4	1846.9	1941.8	2026.8	2116.0	2173.4	2210.8	2216.1	2253.7	2550.0	2130.1
52.5°	2057.3	2060.9	2114.5	2171.5	2272.9	2390.2	2477.7	2485.1	2493.0	2761.3	2350.7
55°	2271.7	2271.2	2306.6	2340.2	2456.1	2626.7	2816.4	2821.0	2764.2	2961.8	2519.4
57.5°	2405.6	2418.5	2472.4	2515.5	2677.5	2896.2	3159.4	3176.2	3049.0	3110.3	2686.1
60°	2362.9	2369.2	2488.7	2648.2	2953.2	3279.2	3506.6	3510.9	3263.2	3258.6	2896.9
62.5°	2013.2	2016.5	2204.4	2533.3	3092.8	3776.0	3925.3	3855.1	3509.4	3464.4	3149.1
65°	1379.8	1401.6	1558.5	1965.0	2836.3	4087.7	4573.5	4457.3	3884.8	3761.0	3377.2
67.5°	812.6	808.0	885.6	1185.1	2083.1	3880.7	5393.5	5278.0	4396.7	3959.5	3310.4
70°	555.0	551.9	581.6	717.5	1176.0	3010.4	5651.5	5884.6	4848.8	3825.9	2849.0
72.5°	396.2	397.9	441.7	557.4	738.3	1754.0	4860.0	5411.7	4707.2	3335.3	2165.5
75°	269.0	273.6	336.3	457.3	647.3	892.3	3448.8	4113.8	3833.1	2424.0	1244.7
77.5°	144.7	149.7	223.7	368.4	585.2	620.0	2218.5	2831.3	2407.7	1089.7	360.8
80°	60.4	63.2	104.7	267.8	505.7	544.5	1305.3	1716.9	1026.0	214.9	80.5
82.5°	26.1	27.5	43.6	159.8	378.0	459.7	691.1	826.0	310.9	47.2	40.5
85°	5.0	5.3	18.0	84.6	241.2	259.4	448.0	439.1	139.7	20.4	29.5
87.5°	0.0	0.0	4.3	26.6	70.9	141.3	273.3	270.0	47.4	9.8	11.0
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°	1701.8	1701.8	1701.8	1701.8	1701.8	1701.8	1701.8	1701.8	1701.8	1701.8	1701.8
2.5°	1688.4	1671.8	1637.1	1594.2	1561.4	1525.2	1496.5	1460.1	1444.3	1445.0	1436.3
5°	1650.5	1616.5	1539.6	1442.6	1367.8	1290.7	1224.3	1158.2	1119.2	1106.5	1094.5
7.5°	1596.4	1542.5	1419.8	1270.3	1143.9	1020.2	912.7	818.1	758.2	729.0	718.2
10°	1535.3	1459.6	1282.1	1085.2	904.5	737.3	597.9	476.7	428.3	395.5	387.1
12.5°	1481.6	1379.1	1147.5	895.2	680.8	479.1	346.2	270.7	237.9	224.9	222.8
15°	1431.1	1303.9	1017.9	723.2	471.4	294.9	220.1	194.5	186.8	184.7	184.7
17.5°	1383.4	1232.3	891.1	553.8	311.9	206.7	182.3	176.5	174.2	173.9	174.2
20°	1333.6	1160.6	766.6	405.8	217.8	175.1	168.4	165.3	164.6	164.6	164.6
22.5°	1285.9	1089.0	645.4	289.9	174.6	159.8	156.4	154.3	153.6	153.3	152.8
25°	1240.2	1021.0	527.0	204.8	153.3	146.4	143.5	140.6	138.5	137.3	136.5
27.5°	1202.5	960.4	416.8	164.3	138.5	132.5	128.9	124.6	119.3	116.9	115.9
30°	1172.6	905.0	321.2	138.7	124.6	118.6	113.1	105.6	98.0	93.9	93.7
32.5°	1149.1	850.6	243.9	122.7	112.1	104.7	96.8	87.4	78.6	74.0	73.8
35°	1137.6	802.7	186.4	110.9	101.1	91.7	81.9	71.6	63.0	58.7	58.2
37.5°	1145.3	762.3	145.4	101.1	91.7	81.0	69.5	58.7	51.0	47.2	47.0
40°	1173.3	736.4	118.1	92.7	83.8	70.7	58.2	48.1	41.7	38.6	38.3
42.5°	1233.0	726.8	100.9	85.8	76.2	61.1	48.4	39.8	33.8	31.6	31.1
45°	1332.6	740.9	89.1	79.1	68.3	52.0	40.0	32.6	27.3	25.6	25.4
47.5°	1465.3	778.1	80.7	72.6	61.1	43.8	33.3	26.4	22.3	20.6	20.4
50°	1636.4	837.0	73.8	66.1	54.4	37.1	27.5	20.8	17.2	16.0	16.0
52.5°	1822.5	907.2	67.6	60.1	47.7	30.9	22.3	16.0	13.7	12.2	12.2
55°	1976.3	968.5	60.8	55.6	39.5	25.6	17.0	12.2	10.1	9.3	9.3
57.5°	2129.9	1033.9	53.2	47.7	31.6	20.8	12.9	9.1	7.4	6.9	6.9
60°	2328.9	1113.9	45.8	38.8	24.9	15.8	9.6	6.5	5.5	5.3	5.3
62.5°	2547.9	1160.9	39.0	31.1	19.4	11.7	6.9	4.3	4.1	4.1	3.8
65°	2681.8	1094.5	32.8	24.9	15.1	8.9	4.6	3.1	3.6	3.4	2.9
67.5°	2511.0	856.9	26.8	19.4	11.7	6.7	2.9	2.2	3.8	3.1	2.4
70°	2079.1	599.8	20.8	13.7	9.3	5.7	1.9	1.4	4.1	3.1	1.9
72.5°	1555.9	401.5	16.5	9.1	6.9	5.0	1.7	0.7	3.6	2.6	1.7
75°	850.2	161.7	13.2	5.7	4.3	3.6	1.2	0.5	2.4	1.9	1.2
77.5°	223.7	42.6	9.6	3.8	2.4	1.4	0.7	0.2	1.2	1.0	0.5
80°	57.0	16.5	6.2	2.6	1.7	0.7	0.0	0.0	0.2	0.0	0.0
82.5°	30.4	6.9	3.8	1.9	1.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	23.0	4.6	2.2	1.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.9	1.4	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)