

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: P522687

Luminaire Tested: **GLAN-SA3A-730-U-T4W**

Issue Date: 5/13/2021

Test Information

Test Method: LM-79-08
Report Number: P522687
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2011-042-41)
Test Lab: INNOVATION CENTER
Issue Date: 5/13/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA3A-730-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12442 lumens
Efficiency: N/A
Efficacy: 133.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 93
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

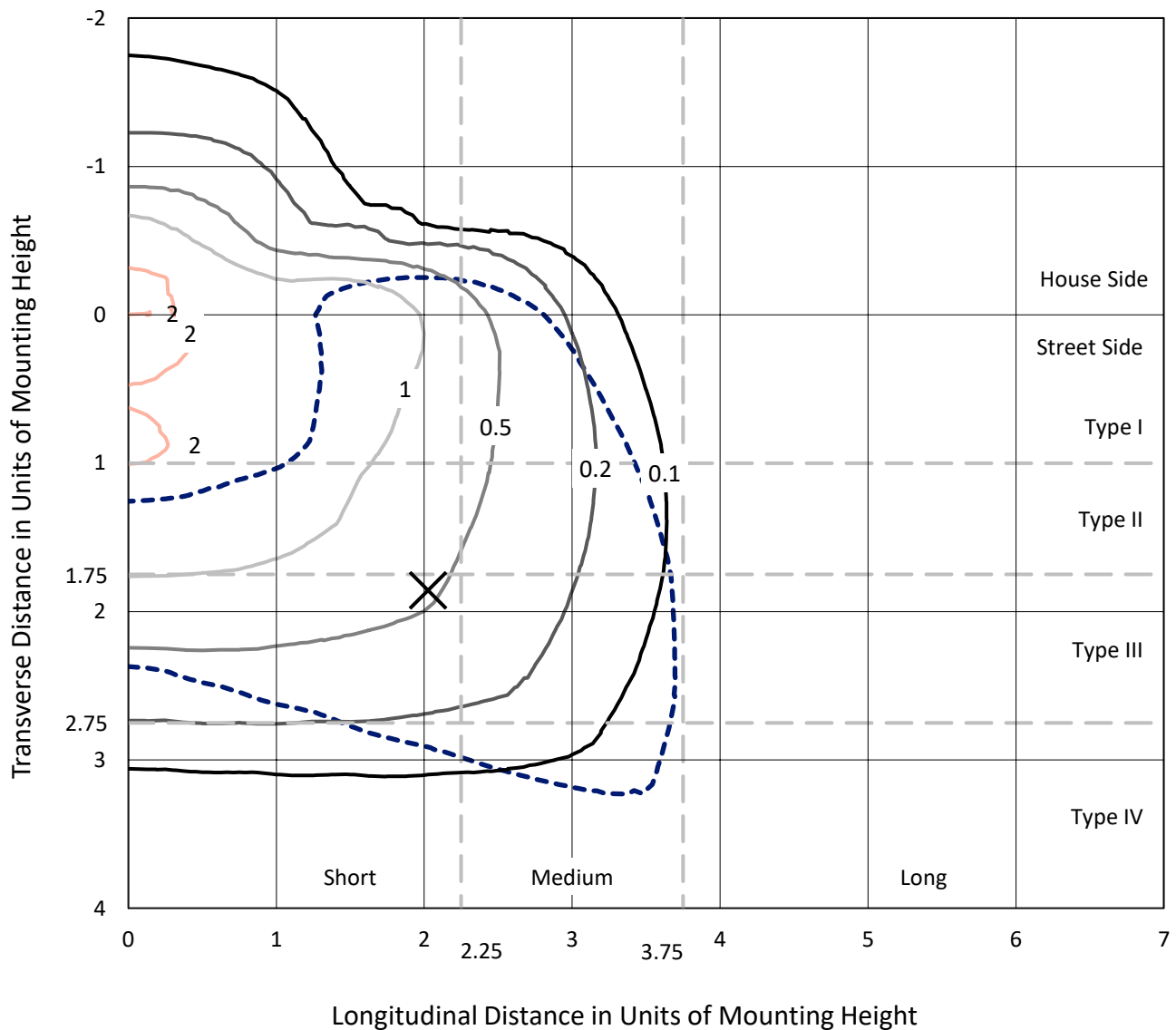


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

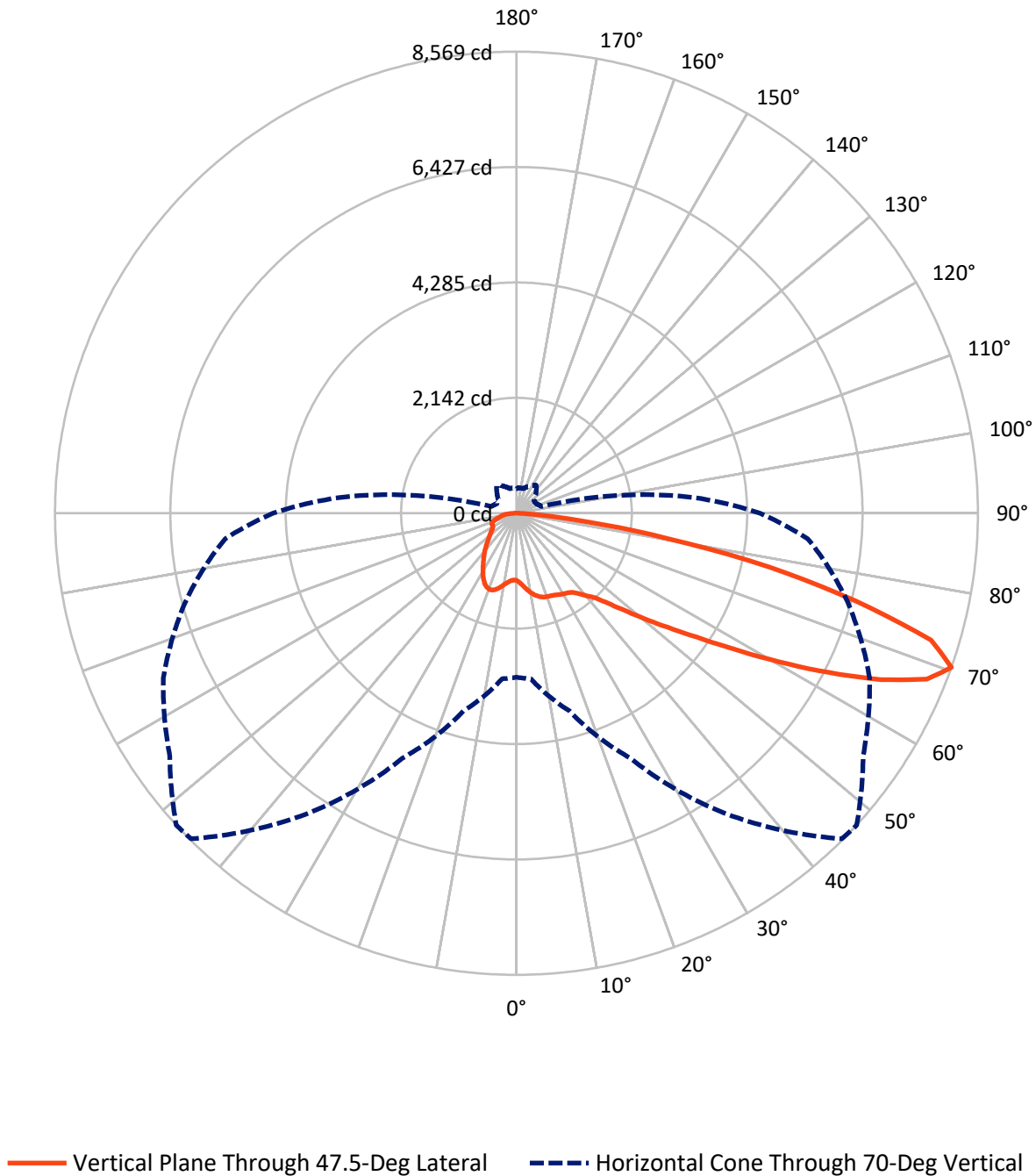


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2817.1	0.0	2817.1
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	9624.9	0.0	9624.9
	% Fixture	77.4	0.0	77.4
Total	Lumens	12442.0	0.0	12442.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.7	1.0
10°-20°	430.4	3.5
20°-30°	715.8	5.8
30°-40°	1014.5	8.2
40°-50°	1497.6	12.0
50°-60°	2594.0	20.8
60°-70°	3664.1	29.4
70°-80°	2106.3	16.9
80°-90°	290.6	2.3
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°	12442.0	100.0
0°-180°	12442.0	100.0

Coefficient of Utilization



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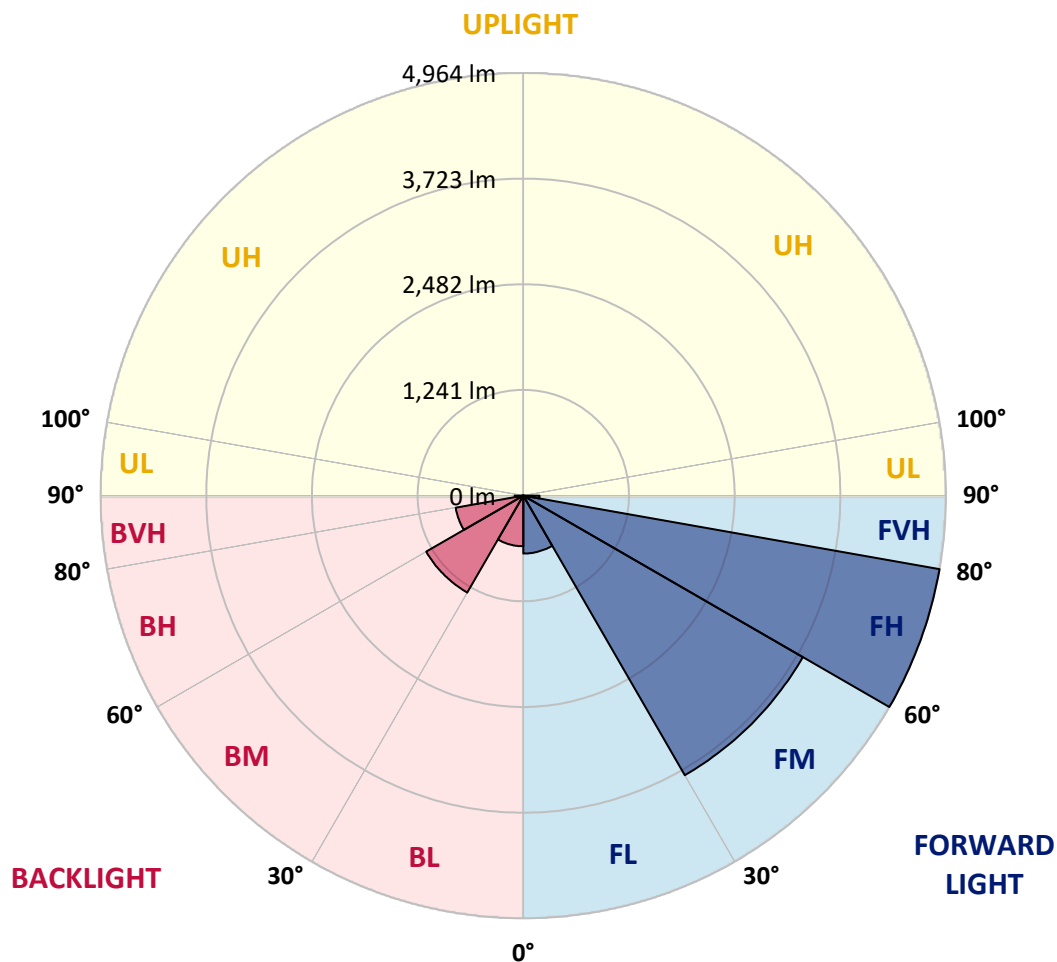
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	680.4	5.5			
FM	(30°-60°)	3790.8	30.5			
FH	(60°-80°)	4963.8	39.9			G2/5000
FVH	(80°-90°)	189.8	1.5			G2/225
BL	(0°-30°)	594.6	4.8	B2/1000		
BM	(30°-60°)	1315.3	10.6	B2/2500		
BH	(60°-80°)	806.5	6.5	B2/1000		G2/1000
BVH	(80°-90°)	100.8	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47.5°	55°	65°	75°	85°
0°	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0
2.5°	1329.6	1324.9	1324.3	1314.3	1308.9	1299.0	1295.0	1285.6	1274.3	1263.0	1252.4
5°	1434.1	1434.1	1429.5	1415.5	1393.5	1370.9	1360.9	1342.9	1310.9	1285.0	1263.0
7.5°	1541.3	1542.6	1533.3	1512.7	1481.4	1444.8	1435.4	1408.8	1363.5	1325.6	1293.0
10°	1633.9	1633.9	1621.2	1593.2	1554.0	1514.0	1504.7	1474.7	1424.1	1376.9	1334.2
12.5°	1704.4	1704.4	1687.8	1651.2	1608.6	1572.6	1561.9	1533.3	1486.0	1433.5	1379.5
15°	1750.4	1747.0	1728.4	1687.1	1645.8	1614.5	1607.2	1583.3	1540.0	1486.7	1426.1
17.5°	1752.4	1751.0	1733.1	1698.4	1662.5	1641.2	1636.5	1620.5	1586.6	1536.0	1472.1
20°	1713.8	1716.4	1704.4	1679.8	1662.5	1653.2	1651.2	1645.8	1621.9	1574.6	1510.7
22.5°	1672.5	1677.1	1665.8	1652.5	1651.2	1660.5	1661.8	1663.2	1647.8	1601.9	1543.3
25°	1662.5	1665.8	1654.5	1642.5	1649.8	1674.5	1679.8	1685.1	1673.1	1634.5	1581.9
27.5°	1713.1	1710.4	1688.5	1662.5	1667.1	1700.4	1707.8	1713.8	1707.8	1674.5	1629.9
30°	1856.2	1847.6	1803.6	1727.7	1703.8	1727.1	1734.4	1751.0	1751.0	1726.4	1681.8
32.5°	2095.9	2079.3	1998.7	1849.6	1766.3	1752.4	1759.7	1787.0	1801.0	1781.7	1733.1
35°	2386.9	2369.6	2254.4	2054.0	1880.9	1803.0	1801.0	1831.6	1868.9	1825.6	1762.4
37.5°	2679.1	2661.2	2522.7	2297.7	2048.0	1909.5	1897.5	1908.2	1924.1	1844.9	1803.0
40°	2971.4	2950.1	2829.0	2570.0	2252.4	2050.6	2019.3	1971.4	1964.8	1908.2	1881.5
42.5°	3261.1	3241.7	3180.5	2875.6	2497.4	2188.5	2140.5	2058.0	2083.3	2049.3	2026.0
45°	3553.3	3554.7	3489.4	3218.4	2793.0	2442.8	2378.2	2249.0	2309.0	2296.3	2309.6
47.5°	3812.3	3809.0	3785.7	3551.3	3159.9	2770.4	2687.1	2537.3	2639.9	2686.5	2788.3
50°	4063.3	4061.3	4062.7	3928.8	3586.0	3159.9	3068.0	2910.8	3141.9	3303.7	3486.1
52.5°	4422.9	4434.2	4353.6	4318.3	4103.9	3619.9	3518.7	3356.3	3735.1	3990.1	4346.3
55°	4783.7	4774.4	4711.1	4747.8	4645.9	4164.5	4058.7	3929.5	4395.6	4674.5	5209.8
57.5°	4996.1	4999.4	5064.0	5243.1	5315.0	4843.6	4747.8	4647.9	5137.9	5335.7	5978.2
60°	5187.2	5202.5	5388.3	5726.5	5921.6	5677.9	5592.7	5495.5	5819.0	5897.6	6645.3
62.5°	5247.1	5294.4	5618.6	6124.6	6512.8	6619.3	6513.4	6299.1	6467.5	6436.9	7097.4
65°	4948.2	5012.8	5594.0	6273.8	7040.8	7512.8	7445.6	7047.4	7020.1	6835.7	7171.3
67.5°	4161.2	4225.8	4972.1	5960.8	7259.1	8286.5	8219.2	7593.4	7355.7	6873.0	6612.0
70°	3044.7	3085.3	3799.0	5018.7	6820.4	8546.1	8569.4	7859.7	7235.8	6366.3	5428.9
72.5°	1754.4	1844.2	2344.3	3530.7	5572.0	7889.6	8051.4	7305.7	6478.2	5311.0	3795.7
75°	754.3	756.3	1083.9	1947.4	3773.7	6341.7	6498.1	6056.1	5087.3	3672.5	2026.7
77.5°	358.9	365.5	476.7	869.5	2077.3	4381.6	4803.7	4278.4	3253.7	1764.4	765.7
80°	233.0	237.7	291.6	431.4	1018.7	2540.7	2834.9	2468.1	1435.4	630.5	330.2
82.5°	141.1	142.5	195.1	263.7	560.6	1150.5	1356.2	1071.3	612.5	377.5	194.4
85°	85.9	86.6	118.5	163.1	340.2	397.5	408.1	404.8	359.5	247.0	103.9
87.5°	41.3	42.6	61.3	77.2	133.8	123.2	116.5	135.2	169.8	133.2	44.6
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°	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0	1249.0
2.5°	1247.7	1245.7	1241.0	1239.0	1237.7	1238.4	1237.7	1237.7	1238.4	1238.4	1238.4
5°	1253.7	1250.4	1243.0	1243.0	1247.0	1256.4	1265.0	1271.7	1279.0	1278.3	1278.3
7.5°	1279.7	1273.7	1265.0	1267.7	1277.7	1292.3	1307.6	1322.3	1336.9	1338.2	1337.6
10°	1317.6	1311.6	1302.3	1305.6	1321.6	1343.6	1362.9	1384.2	1400.2	1404.8	1403.5
12.5°	1360.9	1348.9	1340.9	1350.2	1375.5	1404.8	1423.5	1439.4	1450.8	1457.4	1454.8
15°	1404.8	1393.5	1384.2	1403.5	1434.1	1461.4	1470.7	1473.4	1475.4	1482.1	1480.7
17.5°	1447.4	1432.1	1428.8	1454.1	1483.4	1495.4	1490.0	1478.7	1470.1	1475.4	1474.7
20°	1485.4	1473.4	1472.1	1497.4	1508.7	1497.4	1474.7	1454.8	1439.4	1440.8	1440.1
22.5°	1521.3	1512.0	1513.3	1524.0	1506.0	1467.4	1430.1	1402.8	1386.2	1389.5	1391.5
25°	1561.3	1552.0	1555.3	1538.0	1478.7	1411.5	1357.6	1334.2	1327.6	1334.2	1338.9
27.5°	1613.2	1607.2	1605.2	1538.6	1430.1	1328.9	1267.7	1259.0	1265.0	1279.7	1287.0
30°	1669.1	1669.1	1658.5	1527.3	1363.5	1229.7	1176.5	1177.8	1198.4	1219.1	1226.4
32.5°	1723.1	1734.4	1701.1	1496.7	1277.7	1133.2	1092.6	1093.9	1111.9	1137.2	1143.8
35°	1767.7	1800.3	1737.7	1440.8	1176.5	1052.0	1021.3	1003.3	1004.0	1023.3	1028.6
37.5°	1828.9	1889.5	1759.0	1357.6	1068.6	982.7	948.1	916.8	896.2	888.2	888.2
40°	1935.5	2024.7	1764.4	1234.4	966.7	916.8	867.5	830.2	790.3	754.3	747.7
42.5°	2115.9	2228.4	1753.7	1092.6	874.9	844.2	796.3	750.3	695.1	644.5	640.5
45°	2435.5	2493.4	1725.1	945.4	793.0	774.3	727.7	677.8	619.2	573.9	570.6
47.5°	2947.5	2865.6	1687.1	814.9	718.4	713.1	677.1	619.2	560.6	529.3	526.0
50°	3695.1	3451.5	1681.8	720.4	658.5	661.1	631.8	578.6	527.3	501.3	497.3
52.5°	4595.3	4159.2	1717.1	653.8	605.9	615.9	601.2	551.9	506.7	484.7	480.7
55°	5468.8	4795.7	1738.4	601.9	556.6	575.2	577.2	536.0	494.7	472.7	470.0
57.5°	6177.9	5275.1	1643.8	554.6	514.0	542.6	557.3	526.6	488.7	472.0	469.4
60°	6671.2	5501.4	1374.9	512.7	482.7	516.7	549.9	527.3	503.3	505.3	506.7
62.5°	6828.4	5400.9	1031.3	481.4	461.4	508.0	561.9	554.6	530.0	545.3	547.9
65°	6568.0	4985.5	747.7	456.7	442.8	514.0	597.9	574.6	520.6	532.0	532.0
67.5°	5696.5	4295.0	581.9	434.1	421.4	525.3	633.8	572.6	498.7	512.0	500.0
70°	4518.7	3322.3	484.7	408.8	398.8	508.7	637.2	551.9	472.7	475.4	452.7
72.5°	2998.7	2184.5	416.8	384.8	364.2	457.4	609.9	525.3	447.4	432.1	409.5
75°	1469.4	1089.2	363.5	354.9	318.9	398.1	572.6	500.0	420.1	396.1	383.5
77.5°	569.3	463.4	310.3	316.9	277.6	350.9	523.3	464.1	384.2	351.5	341.6
80°	276.3	263.0	254.3	264.3	228.4	298.9	478.0	432.8	350.9	314.9	300.3
82.5°	171.8	162.5	195.1	205.7	175.8	273.0	453.4	406.1	308.9	261.0	249.0
85°	87.2	93.2	130.5	140.5	125.8	217.0	373.5	304.9	223.0	185.1	186.4
87.5°	33.3	44.6	68.6	73.9	67.2	114.5	205.7	177.8	143.1	97.2	89.9
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)