

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: P478468

Luminaire Tested: **IFLD-S-SA3A-730-U-T4W**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P478468  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3A-730-U-T4W  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens  
Light Source: (48) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

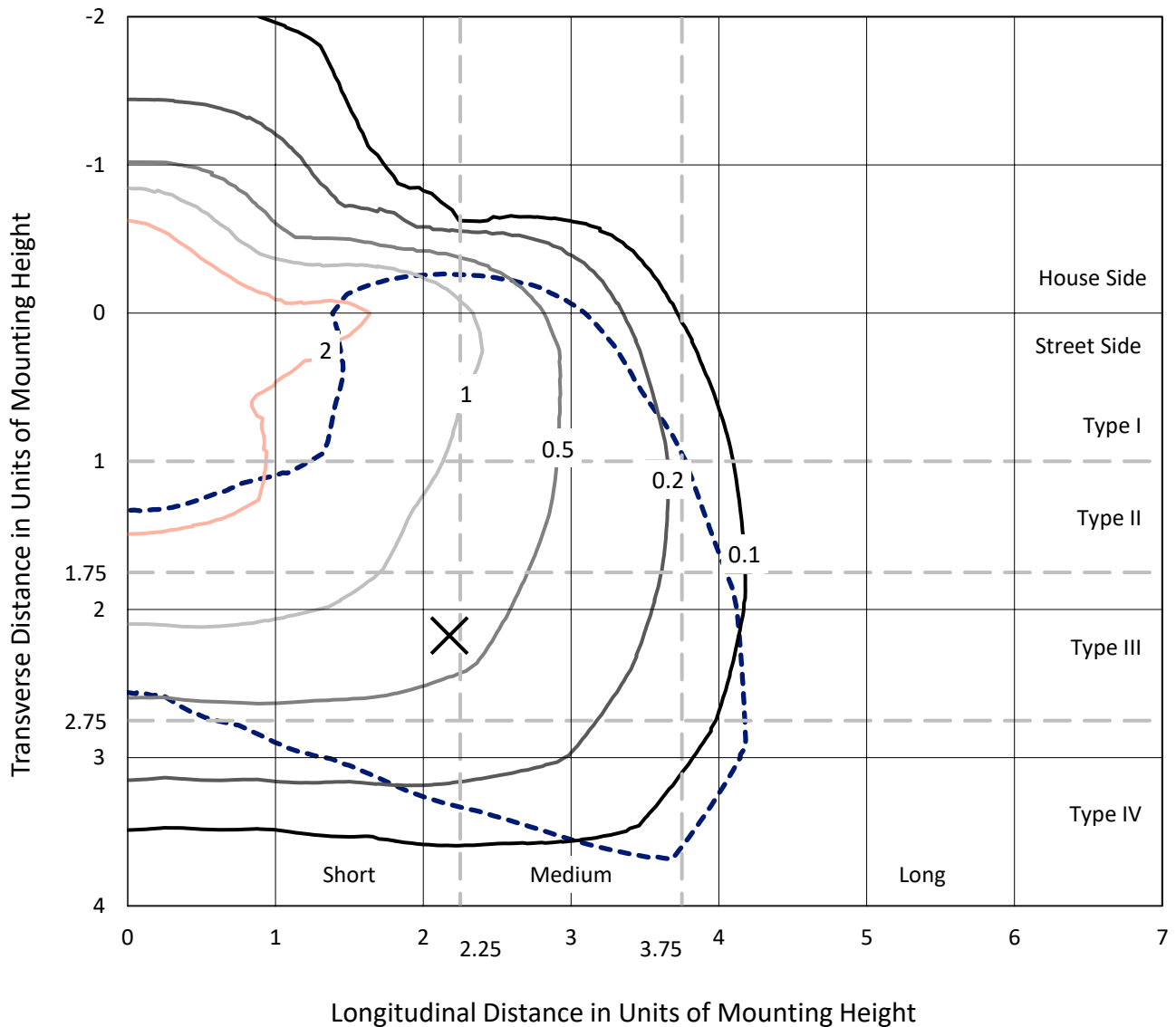
Lumens per Lamp: N/A  
Luminaire Lumens: 12663.6 lumens  
Efficiency: N/A  
Efficacy: 133.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G3

Input Watts (W): 94.8  
Input Voltage (V): 120  
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

REPORT NUMBER: P478468  
 CATALOG NUMBER: IFLD-S-SA3A-730-U-T4W

### Iso-Footcandle Lines of Horizontal Illumination

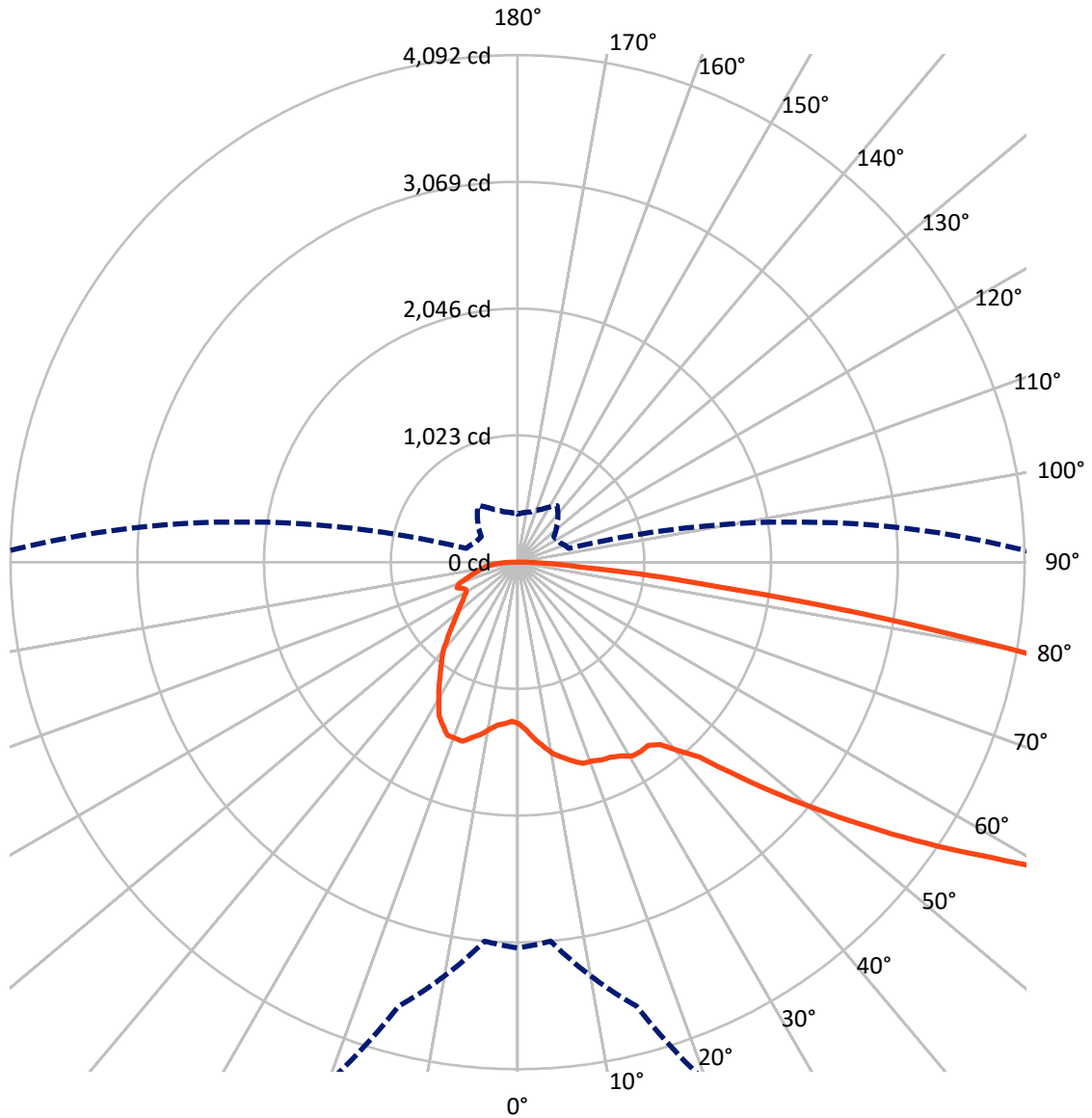
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.2 fc  
 Type IV - Short - N/A

REPORT NUMBER: P478468  
CATALOG NUMBER: IFLD-S-SA3A-730-U-T4W

### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral      - - - Horizontal Cone Through 72-Deg Vertical

REPORT NUMBER: P478468  
 CATALOG NUMBER: IFLD-S-SA3A-730-U-T4W

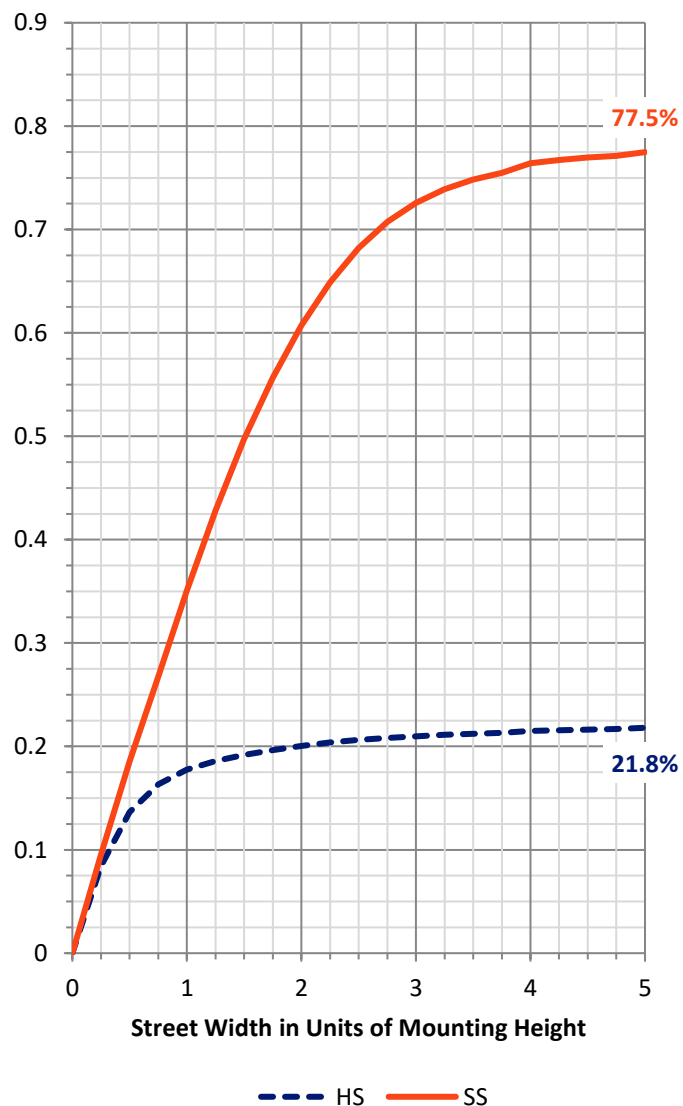
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2819.0	0.0	2819.0
	% Fixture	22.3	0.0	22.3
<b>Street Side</b>	Lumens	9844.6	0.0	9844.6
	% Fixture	77.7	0.0	77.7
<b>Total</b>	Lumens	12663.6	0.0	12663.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.4	1.1
10°-20°	444.0	3.5
20°-30°	749.8	5.9
30°-40°	1037.6	8.2
40°-50°	1484.1	11.7
50°-60°	2393.7	18.9
60°-70°	3530.4	27.9
70°-80°	2563.7	20.2
80°-90°	326.8	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°	12663.6	100.0
0°-180°	12663.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P478468

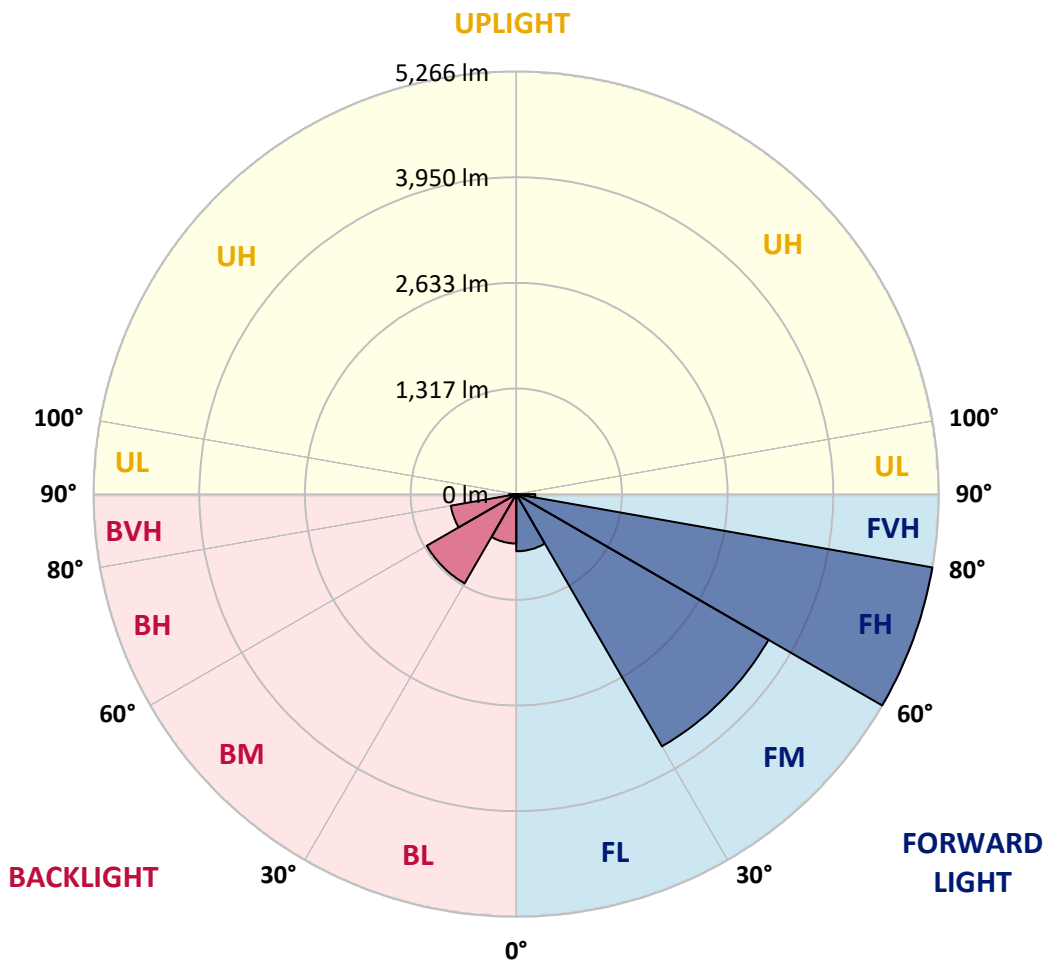
CATALOG NUMBER: IFLD-S-SA3A-730-U-T4W

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	711.7	5.6			
FM (30°-60°)	3628.9	28.7			
FH (60°-80°)	5266.1	41.6			G3/7500
FVH (80°-90°)	237.9	1.9			G3/500
BL (0°-30°)	615.5	4.9	B2/1000		
BM (30°-60°)	1286.5	10.2	B2/2500		
BH (60°-80°)	828.0	6.5	B2/1000		G2/1000
BVH (80°-90°)	88.9	0.7			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





REPORT NUMBER: P478468

CATALOG NUMBER: IFLD-S-SA3A-730-U-T4W

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	1304.1	1304.1	1304.1	1304.1	1304.1	1304.1	1304.1	1304.1	1304.1	1304.1	1304.1
2.5°	1373.8	1382.0	1373.8	1372.4	1358.7	1349.2	1357.4	1345.1	1331.4	1326.0	1313.7
5°	1499.4	1500.8	1485.7	1487.1	1458.4	1428.4	1433.8	1397.0	1357.4	1342.4	1317.8
7.5°	1627.8	1612.7	1590.9	1584.1	1539.0	1506.2	1502.1	1469.4	1407.9	1373.8	1339.6
10°	1711.1	1716.5	1681.0	1651.0	1612.7	1573.1	1571.8	1510.3	1474.8	1424.3	1380.6
12.5°	1784.8	1786.2	1756.1	1708.3	1660.5	1611.4	1618.2	1590.9	1530.8	1483.0	1439.3
15°	1842.2	1834.0	1801.2	1757.5	1707.0	1668.7	1664.6	1641.4	1590.9	1551.3	1478.9
17.5°	1858.5	1854.4	1821.7	1775.2	1726.1	1697.4	1708.3	1670.1	1649.6	1614.1	1544.5
20°	1827.1	1817.6	1812.1	1760.2	1724.7	1722.0	1712.4	1720.6	1686.5	1653.7	1603.2
22.5°	1769.8	1765.7	1762.9	1722.0	1705.6	1717.9	1734.3	1746.6	1741.1	1709.7	1652.3
25°	1711.1	1730.2	1712.4	1693.3	1716.5	1747.9	1743.8	1783.4	1783.4	1773.9	1726.1
27.5°	1752.0	1739.7	1726.1	1716.5	1724.7	1773.9	1771.1	1818.9	1836.7	1818.9	1764.3
30°	1854.4	1842.2	1802.6	1760.2	1749.3	1802.6	1816.2	1858.5	1866.7	1823.0	1776.6
32.5°	2047.0	2040.2	1977.3	1853.1	1786.2	1816.2	1823.0	1870.8	1864.0	1836.7	1817.6
35°	2332.4	2309.2	2221.8	2011.5	1864.0	1834.0	1816.2	1854.4	1880.4	1866.7	1849.0
37.5°	2645.1	2619.2	2511.3	2245.0	2004.7	1881.8	1868.1	1899.5	1929.5	1922.7	1885.9
40°	2944.2	2944.2	2847.2	2537.2	2213.6	1997.8	2000.6	1965.1	1992.4	1980.1	1986.9
42.5°	3239.1	3228.2	3188.6	2880.0	2437.5	2191.7	2148.0	2059.3	2108.4	2104.3	2113.9
45°	3538.2	3530.0	3519.1	3199.5	2758.4	2453.9	2430.7	2270.9	2316.0	2296.9	2337.9
47.5°	3777.2	3786.7	3786.7	3555.9	3101.2	2803.5	2769.4	2516.7	2602.8	2612.3	2621.9
50°	3980.6	3984.7	3980.6	3896.0	3483.6	3203.6	3134.0	2877.3	2963.3	3038.4	3125.8
52.5°	4261.9	4267.4	4248.3	4215.5	4002.5	3624.2	3546.4	3261.0	3437.1	3516.3	3673.4
55°	4608.8	4567.8	4532.3	4556.9	4500.9	4087.1	4006.6	3657.0	3921.9	4027.1	4341.1
57.5°	4673.0	4708.5	4798.6	4993.9	5074.5	4537.8	4491.4	4143.1	4469.5	4561.0	5085.4
60°	4899.7	4840.9	5062.2	5485.5	5575.6	5125.0	5077.2	4675.7	5014.4	5110.0	5772.3
62.5°	5048.5	5045.8	5373.5	5876.0	6080.9	5734.0	5637.1	5368.1	5602.9	5695.8	6520.6
65°	5004.8	5044.4	5626.1	6105.5	6502.8	6426.4	6370.4	5963.4	6273.4	6265.2	7008.1
67.5°	4606.1	4718.0	5466.4	6270.7	7131.0	7270.3	7252.5	6800.5	6818.3	6644.9	7225.2
70°	4053.0	4014.8	4790.4	6098.6	7445.1	8271.3	8267.2	7423.2	7308.5	6728.2	6602.5
72°	3113.5	3071.2	3708.9	5237.0	7279.8	8671.4	8794.3	7854.8	7303.1	6382.7	5454.1
72.5°	2826.7	2789.9	3424.8	4929.7	7096.9	8775.1	8717.8	7871.1	7245.7	6220.2	5094.9
75°	1301.4	1259.1	1711.1	3017.9	5536.0	7775.5	7970.8	7365.9	6328.0	4951.6	3052.0
77.5°	387.8	375.5	550.3	1218.1	3217.3	5728.6	5803.7	5557.9	4417.6	2712.0	1132.1
80°	215.8	217.1	284.0	456.1	1414.7	3311.5	3581.9	3433.0	2167.2	895.8	376.9
82.5°	120.2	127.0	177.5	270.4	650.0	1519.9	1636.0	1577.2	783.8	420.6	206.2
85°	62.8	65.5	92.9	144.8	368.7	480.7	494.3	529.8	406.9	286.8	110.6
87.5°	24.6	24.6	34.1	60.1	136.6	148.8	133.8	162.5	233.5	185.7	54.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P478468  
 CATALOG NUMBER: IFLD-S-SA3A-730-U-T4W

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1304.1	1304.1	1304.1	1304.1	1304.1	1304.1	1304.1	1304.1	1304.1	1304.1	1304.1
2.5°	1324.6	1313.7	1312.3	1294.6	1300.0	1285.0	1286.4	1283.6	1285.0	1282.3	1275.4
5°	1317.8	1309.6	1286.4	1301.4	1287.7	1306.8	1321.9	1316.4	1320.5	1319.1	1320.5
7.5°	1327.3	1316.4	1313.7	1305.5	1317.8	1326.0	1338.3	1372.4	1369.7	1373.8	1382.0
10°	1356.0	1343.7	1335.5	1347.8	1341.0	1366.9	1380.6	1398.3	1429.8	1431.1	1414.7
12.5°	1412.0	1403.8	1387.4	1390.1	1413.4	1421.6	1429.8	1440.7	1461.2	1457.1	1472.1
15°	1476.2	1458.4	1448.9	1446.1	1451.6	1461.2	1459.8	1470.7	1481.6	1491.2	1487.1
17.5°	1522.6	1499.4	1502.1	1515.8	1514.4	1511.7	1493.9	1488.5	1493.9	1499.4	1496.7
20°	1570.4	1573.1	1552.7	1540.4	1534.9	1507.6	1493.9	1477.5	1461.2	1469.4	1481.6
22.5°	1630.5	1618.2	1588.2	1551.3	1524.0	1507.6	1465.3	1436.6	1436.6	1444.8	1440.7
25°	1698.8	1672.8	1620.9	1554.0	1519.9	1450.2	1420.2	1416.1	1405.2	1417.5	1422.9
27.5°	1752.0	1728.8	1657.8	1544.5	1450.2	1394.2	1376.5	1371.0	1388.8	1390.1	1412.0
30°	1773.9	1767.0	1663.3	1519.9	1379.2	1289.1	1278.2	1302.8	1321.9	1350.5	1351.9
32.5°	1802.6	1805.3	1671.5	1462.5	1286.4	1196.2	1179.9	1209.9	1264.5	1287.7	1305.5
35°	1850.3	1864.0	1664.6	1391.5	1188.0	1102.0	1099.3	1107.5	1160.7	1201.7	1224.9
37.5°	1933.6	1930.9	1663.3	1306.8	1110.2	1020.1	998.2	1001.0	1036.5	1070.6	1066.5
40°	2045.6	2034.7	1659.2	1196.2	1009.2	950.4	913.6	899.9	897.2	887.6	890.4
42.5°	2198.6	2176.7	1657.8	1084.3	917.7	854.8	828.9	793.4	767.4	718.3	721.0
45°	2411.6	2373.4	1622.3	979.1	827.5	775.6	736.0	710.1	654.1	592.7	592.7
47.5°	2740.7	2616.4	1623.7	863.0	740.1	697.8	670.5	625.4	565.3	516.2	510.7
50°	3225.5	2941.4	1577.2	771.5	669.1	640.5	611.8	559.9	502.5	468.4	472.5
52.5°	3850.9	3426.2	1575.9	689.6	613.1	592.7	561.2	514.8	472.5	450.6	442.4
55°	4596.5	4068.0	1625.0	622.7	555.8	544.9	531.2	493.0	452.0	432.9	431.5
57.5°	5359.9	4694.8	1704.2	574.9	506.6	514.8	505.3	475.2	442.4	420.6	417.9
60°	6038.5	5191.9	1544.5	517.6	462.9	480.7	494.3	468.4	450.6	449.3	439.7
62.5°	6550.6	5404.9	1174.4	473.9	439.7	472.5	509.4	525.7	517.6	528.5	529.8
65°	6737.7	5276.6	808.4	450.6	422.0	491.6	573.5	568.1	520.3	499.8	510.7
67.5°	6475.5	4756.3	599.5	423.3	409.7	531.2	610.4	542.1	469.8	467.0	458.8
70°	5568.8	4031.2	488.9	394.6	389.2	509.4	594.0	502.5	442.4	424.7	416.5
72°	4436.7	3139.4	428.8	374.2	356.4	454.7	555.8	471.1	419.2	397.4	387.8
72.5°	4050.3	2910.0	420.6	364.6	349.6	442.4	536.7	461.6	413.8	394.6	379.6
75°	2221.8	1489.8	370.1	334.6	295.0	382.4	497.1	432.9	390.6	363.2	360.5
77.5°	826.2	577.6	319.5	296.3	255.4	330.5	452.0	411.0	355.0	320.9	314.1
80°	316.8	304.5	260.8	249.9	214.4	289.5	416.5	368.7	301.8	267.7	256.7
82.5°	192.5	177.5	198.0	195.3	163.9	263.6	391.9	345.5	267.7	217.1	210.3
85°	105.1	105.1	137.9	132.5	114.7	210.3	296.3	229.4	169.3	139.3	142.0
87.5°	46.4	54.6	73.7	69.6	62.8	118.8	144.8	121.5	84.7	57.4	61.5
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)