

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: P476461

Luminaire Tested: **IFLD-M-SA4B-722-U-T2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476461
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-M-SA4B-722-U-T2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens
Light Source: (64) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

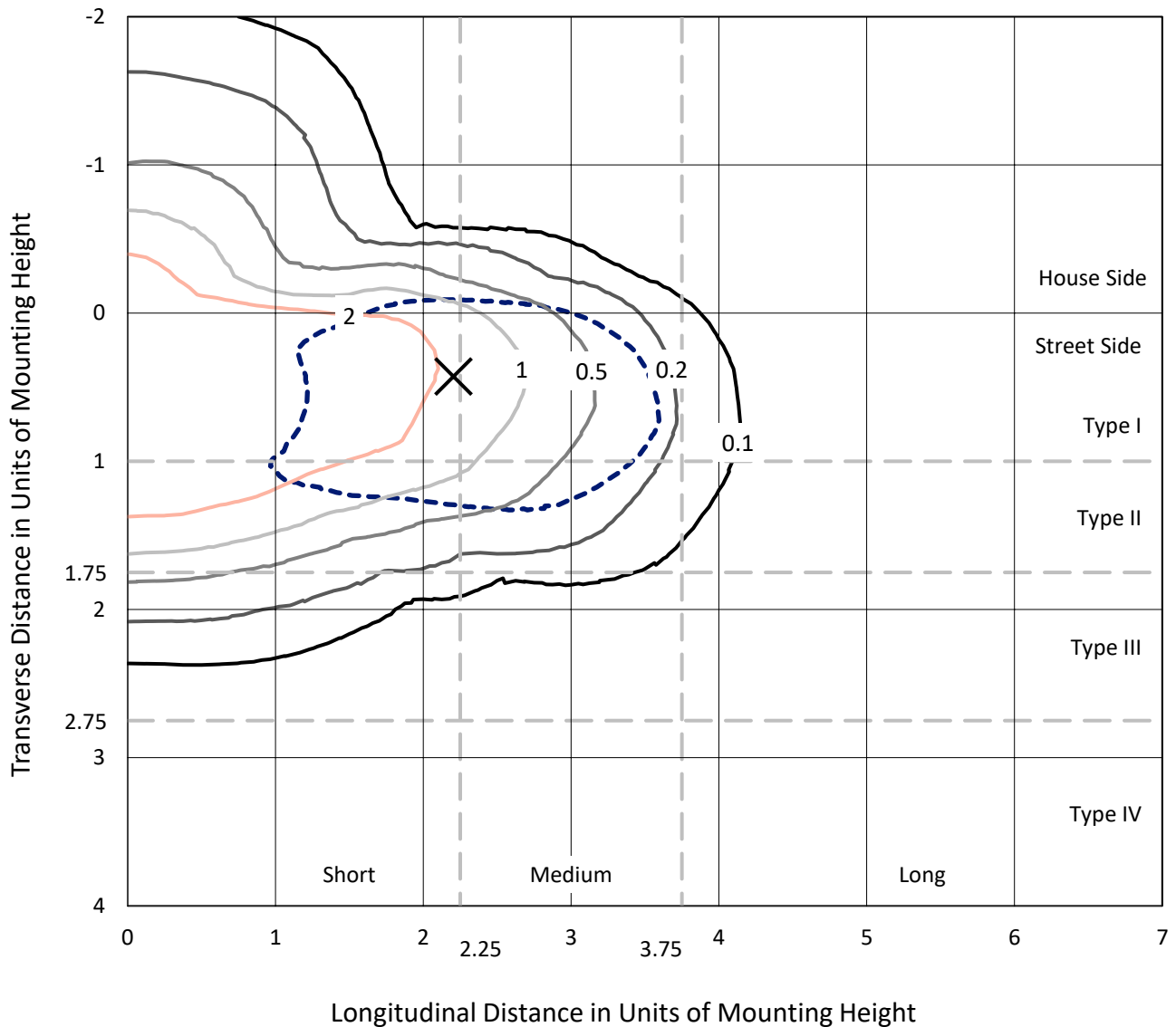
Lumens per Lamp: N/A
Luminaire Lumens: 16803.2 lumens
Efficiency: N/A
Efficacy: 101.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 166.1
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: P476461
 CATALOG NUMBER: IFLD-M-SA4B-722-U-T2

Iso-Footcandle Lines of Horizontal Illumination

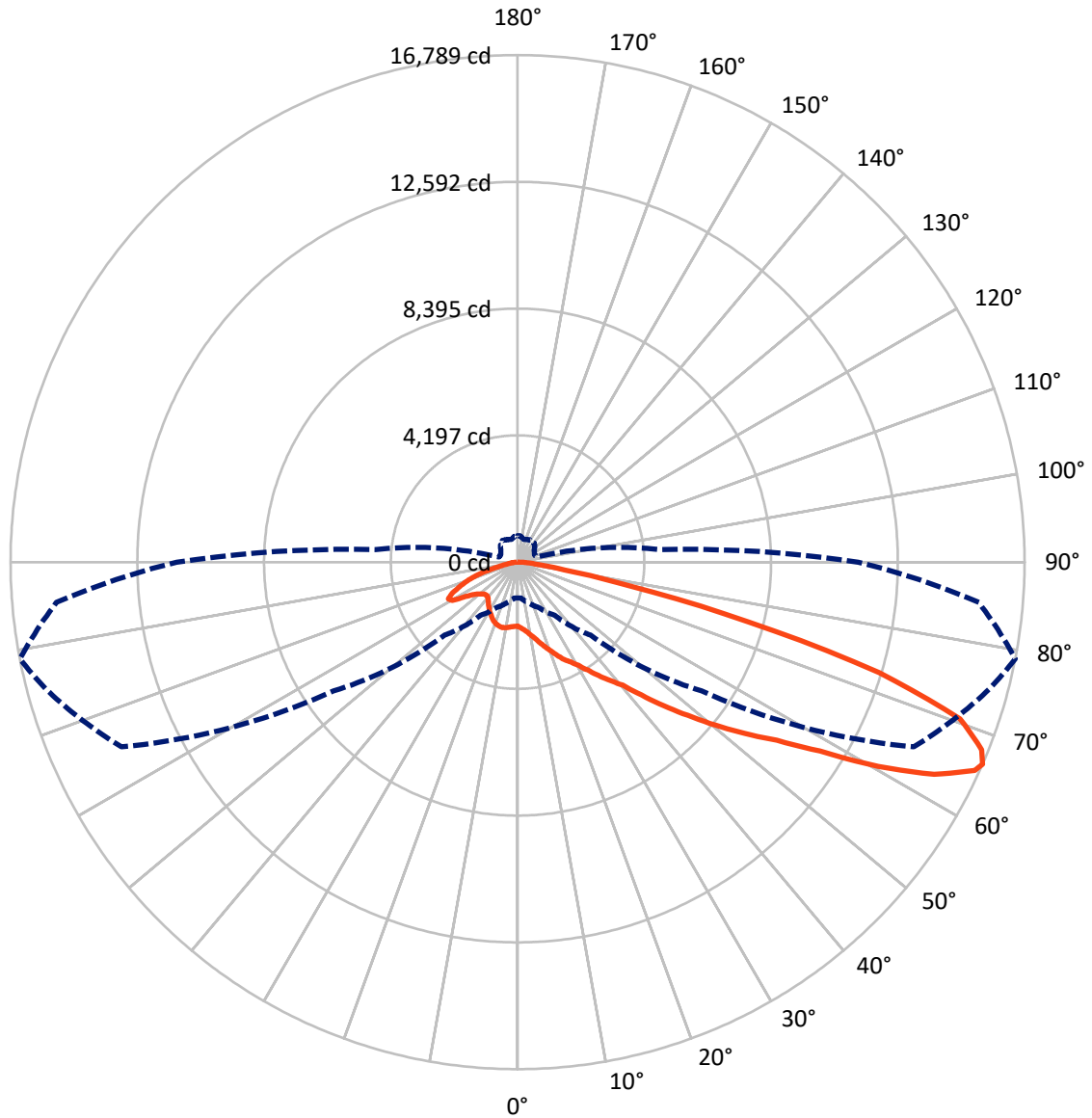
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type II - Short - N/A

REPORT NUMBER: P476461
CATALOG NUMBER: IFLD-M-SA4B-722-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P476461
 CATALOG NUMBER: IFLD-M-SA4B-722-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3393.2	0.0	3393.2
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	13410.1	0.0	13410.1
	% Fixture	79.8	0.0	79.8
Total	Lumens	16803.2	0.0	16803.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.6	1.2
10°-20°	644.3	3.8
20°-30°	1105.9	6.6
30°-40°	1708.4	10.2
40°-50°	2736.4	16.3
50°-60°	4085.6	24.3
60°-70°	4197.9	25.0
70°-80°	1860.9	11.1
80°-90°	255.3	1.5
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°	16803.2	100.0
0°-180°	16803.2	100.0

Coefficient of Utilization



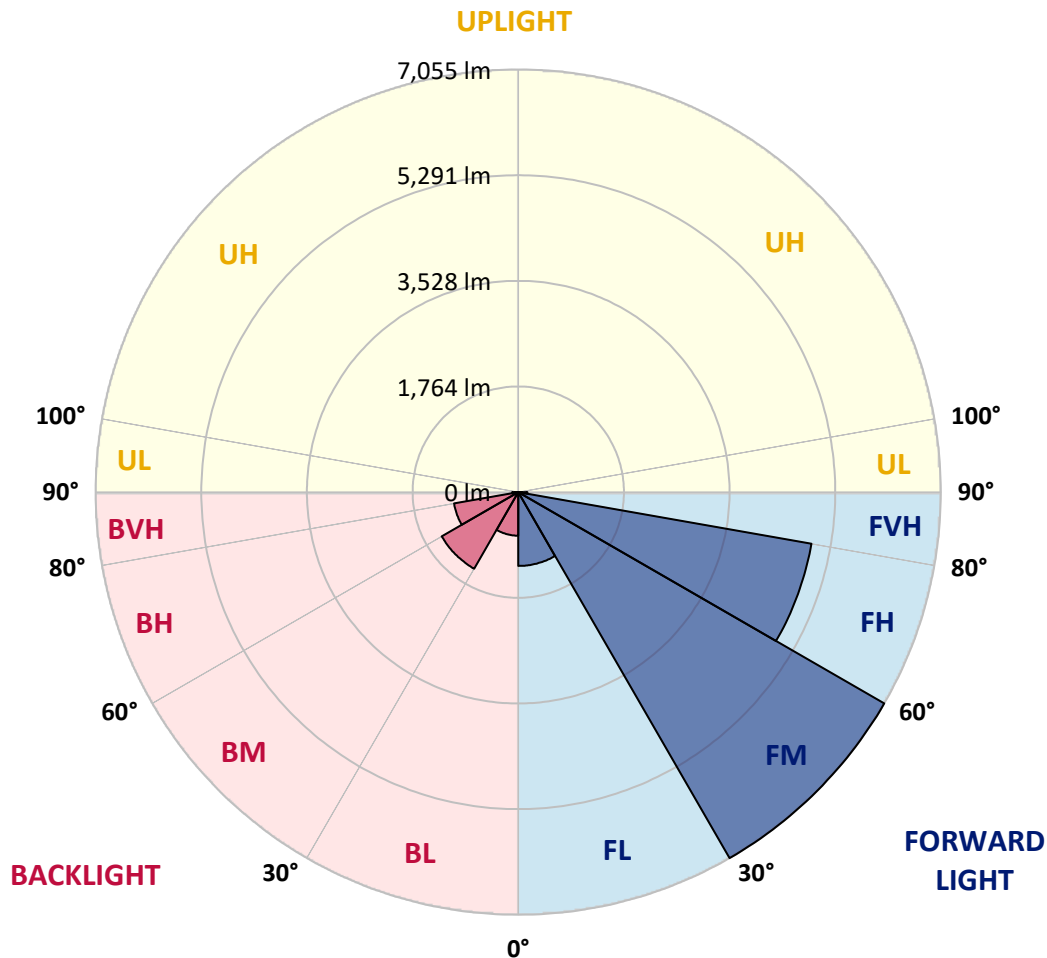
REPORT NUMBER: P476461
 CATALOG NUMBER: IFLD-M-SA4B-722-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1231.8	7.3			
FM (30°-60°)	7055.1	42.0			
FH (60°-80°)	4970.0	29.6			G2/5000
FVH (80°-90°)	153.1	0.9			G2/225
BL (0°-30°)	727.0	4.3	B2/1000		
BM (30°-60°)	1475.2	8.8	B2/2500		
BH (60°-80°)	1088.8	6.5	B3/2500		G3/2500
BVH (80°-90°)	102.2	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





REPORT NUMBER: P476461

CATALOG NUMBER: IFLD-M-SA4B-722-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	2121.8	2121.8	2121.8	2121.8	2121.8	2121.8	2121.8	2121.8	2121.8	2121.8	2121.8
2.5°	2256.7	2258.6	2258.6	2251.2	2253.0	2258.6	2238.2	2193.9	2193.9	2186.5	2173.5
5°	2395.3	2386.1	2373.1	2375.0	2367.6	2367.6	2345.4	2302.9	2265.9	2251.2	2212.3
7.5°	2413.8	2423.0	2421.2	2443.4	2454.5	2454.5	2465.6	2430.4	2375.0	2339.9	2301.1
10°	2450.8	2426.7	2424.9	2476.6	2493.3	2532.1	2576.4	2558.0	2511.8	2461.9	2410.1
12.5°	2472.9	2487.7	2487.7	2513.6	2552.4	2609.7	2687.3	2722.5	2650.4	2598.6	2519.2
15°	2506.2	2485.9	2545.0	2567.2	2641.1	2681.8	2792.7	2883.3	2835.2	2772.4	2646.7
17.5°	2521.0	2508.1	2541.3	2582.0	2707.7	2768.7	2903.6	3029.3	2988.6	2947.9	2818.6
20°	2596.8	2594.9	2609.7	2643.0	2733.6	2853.7	3021.9	3195.6	3210.4	3136.5	2960.9
22.5°	2781.6	2757.6	2757.6	2744.6	2783.5	2907.3	3134.6	3374.9	3441.4	3354.6	3121.7
25°	2951.6	2984.9	2964.6	2905.4	2890.7	2955.3	3215.9	3565.3	3654.0	3572.7	3339.8
27.5°	3169.7	3180.8	3215.9	3136.5	3034.8	3055.1	3304.7	3672.5	3855.4	3746.4	3463.6
30°	3483.9	3463.6	3456.2	3367.5	3234.4	3206.7	3406.3	3829.6	4119.7	3966.3	3609.6
32.5°	3696.5	3746.4	3744.5	3622.6	3461.8	3400.8	3532.0	3977.4	4402.5	4260.2	3879.5
35°	4117.9	4169.6	4129.0	3949.7	3761.2	3639.2	3713.1	4169.6	4726.0	4615.1	4108.6
37.5°	4655.7	4777.7	4690.8	4360.0	4093.9	3960.8	3964.5	4378.5	5056.8	4966.2	4354.5
40°	5027.2	5191.7	5071.6	4761.1	4478.3	4352.6	4302.7	4626.2	5452.3	5356.2	4738.9
42.5°	5487.4	5624.2	5561.4	5254.6	4923.7	4816.5	4716.7	5040.2	6056.7	6012.3	5232.4
45°	5990.2	6054.8	6034.5	5840.4	5472.6	5435.7	5215.7	5585.4	6768.3	6786.7	5849.7
47.5°	6457.8	6492.9	6531.7	6391.2	6162.0	6193.5	5790.5	6169.4	7459.5	7581.5	6537.2
50°	6577.9	6698.0	6788.6	6882.9	6932.8	7145.3	6424.5	6886.6	8254.2	8490.8	7302.4
52.5°	6455.9	6446.7	6722.1	7017.8	7516.8	7962.2	7287.6	7777.4	8956.6	9424.2	8002.9
55°	5901.4	5883.0	6326.5	6718.4	7692.4	8416.9	8520.4	8964.0	9804.9	10413.0	8951.0
57.5°	4931.1	4816.5	5300.8	5943.9	7311.6	8466.8	9758.7	10725.3	11109.8	11802.9	10398.2
60°	3313.9	3265.8	3729.8	4496.8	5936.6	7758.9	10499.9	12930.3	12948.8	13728.7	12643.8
62.5°	2040.5	2049.7	2347.3	2922.1	4156.7	6150.9	10180.1	14691.7	14695.4	15477.2	14492.1
65°	1334.4	1340.0	1580.2	1898.1	2596.8	4171.5	8418.7	14830.3	15909.7	16636.0	15338.6
66°	1188.4	1190.3	1397.3	1656.0	2151.4	3413.7	7435.5	14469.9	16183.2	16789.4	15327.5
67.5°	1001.7	1025.8	1192.1	1391.7	1678.2	2452.6	5899.6	13427.5	16042.7	16575.0	14980.0
70°	783.7	796.6	927.8	1131.1	1258.7	1419.4	3506.1	10945.3	14684.3	15547.4	13715.8
72.5°	628.4	639.5	739.3	918.6	1022.1	935.2	1909.2	7941.9	11599.6	12520.0	10788.2
75°	530.4	532.3	580.3	722.7	841.0	702.3	1016.5	5097.5	7442.9	7871.7	6609.3
77.5°	428.8	436.2	469.5	550.8	676.5	552.6	606.2	2855.5	3737.1	3768.6	3055.1
80°	349.3	353.0	373.3	401.1	515.7	408.5	410.3	1393.6	1602.4	1565.5	1242.0
82.5°	275.4	279.1	303.1	297.6	378.9	292.0	255.1	670.9	737.4	722.7	571.1
85°	155.3	155.3	238.4	238.4	240.3	184.8	155.3	316.0	390.0	364.1	268.0
87.5°	49.9	51.8	72.1	75.8	120.1	83.2	75.8	118.3	184.8	162.6	96.1
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: P476461

CATALOG NUMBER: IFLD-M-SA4B-722-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2121.8	2121.8	2121.8	2121.8	2121.8	2121.8	2121.8	2121.8	2121.8	2121.8	2121.8
2.5°	2166.1	2136.6	2123.6	2081.1	2070.0	2042.3	2029.4	2012.7	2007.2	1983.2	2005.3
5°	2182.8	2173.5	2121.8	2068.2	2027.5	2009.0	1981.3	1944.4	1940.7	1907.4	1903.7
7.5°	2253.0	2221.6	2131.0	2073.7	1992.4	1946.2	1885.2	1866.7	1842.7	1831.6	1855.6
10°	2362.1	2282.6	2147.7	2003.5	1903.7	1848.2	1803.9	1790.9	1792.8	1785.4	1774.3
12.5°	2439.7	2363.9	2119.9	1944.4	1815.0	1761.4	1757.7	1770.6	1790.9	1781.7	1794.6
15°	2550.6	2408.3	2099.6	1846.4	1742.9	1728.1	1726.3	1765.1	1763.2	1763.2	1761.4
17.5°	2654.1	2452.6	2025.7	1761.4	1667.1	1678.2	1691.1	1689.3	1707.8	1715.2	1728.1
20°	2785.3	2504.4	1922.2	1676.4	1609.8	1606.1	1604.3	1606.1	1624.6	1635.7	1626.5
22.5°	2899.9	2515.5	1835.3	1595.0	1541.4	1526.6	1502.6	1526.6	1517.4	1521.1	1532.2
25°	2999.7	2517.3	1711.5	1534.0	1473.0	1439.8	1421.3	1419.4	1402.8	1401.0	1401.0
27.5°	3082.9	2454.5	1602.4	1449.0	1391.7	1360.3	1358.5	1338.1	1295.6	1267.9	1271.6
30°	3147.6	2406.4	1526.6	1375.1	1319.6	1314.1	1297.5	1251.3	1195.8	1160.7	1160.7
32.5°	3262.1	2310.3	1423.1	1299.3	1271.6	1264.2	1225.4	1184.7	1133.0	1099.7	1094.2
35°	3347.2	2221.6	1354.8	1234.6	1221.7	1206.9	1173.6	1129.3	1114.5	1107.1	1112.6
37.5°	3443.3	2121.8	1271.6	1179.2	1192.1	1164.4	1125.6	1105.2	1157.0	1144.1	1149.6
40°	3596.7	2051.5	1190.3	1145.9	1158.8	1127.4	1077.5	1070.1	1134.8	1088.6	1077.5
42.5°	3877.6	2049.7	1140.4	1096.0	1105.2	1081.2	1036.9	1033.2	1059.0	1003.6	987.0
45°	4226.9	2114.4	1103.4	1059.0	1051.6	1048.0	1033.2	1016.5	994.4	922.3	903.8
47.5°	4644.6	2219.7	1096.0	1003.6	1012.8	1044.3	1025.8	983.3	926.0	879.8	870.5
50°	5151.1	2437.8	1077.5	962.9	979.6	1029.5	1014.7	955.5	903.8	874.2	868.7
52.5°	5711.1	2713.2	1053.5	900.1	937.1	1016.5	1023.9	968.5	892.7	866.8	863.1
55°	6370.9	3119.8	1025.8	831.7	887.2	1003.6	1023.9	931.5	877.9	877.9	874.2
57.5°	7673.9	3851.7	968.5	768.9	842.8	979.6	994.4	933.4	879.8	879.8	872.4
60°	9585.0	4994.0	859.4	720.8	800.3	946.3	972.2	905.6	859.4	870.5	868.7
62.5°	11080.2	5341.4	767.0	674.6	757.8	885.3	942.6	876.1	835.4	876.1	879.8
65°	11400.0	4990.3	672.8	624.7	698.6	826.2	900.1	833.6	800.3	879.8	883.5
66°	11285.4	4716.7	639.5	609.9	672.8	796.6	874.2	818.8	781.8	876.1	877.9
67.5°	10775.3	4306.4	602.5	578.5	637.6	754.1	844.6	798.4	752.2	865.0	848.3
70°	9666.3	3652.1	539.7	523.1	587.7	683.8	776.3	746.7	706.0	796.6	767.0
72.5°	7444.7	2918.4	473.1	475.0	530.4	611.8	707.9	687.5	652.4	698.6	680.2
75°	4533.7	1864.9	412.2	415.9	462.1	543.4	643.2	628.4	585.9	611.8	602.5
77.5°	2009.0	924.1	347.5	354.9	391.8	478.7	560.0	536.0	491.6	497.2	493.5
80°	780.0	438.0	282.8	292.0	316.0	382.6	463.9	441.7	402.9	395.5	391.8
82.5°	375.2	244.0	218.1	221.8	231.0	305.0	399.2	371.5	319.7	286.5	286.5
85°	188.5	151.6	153.4	140.5	153.4	207.0	269.8	225.5	186.7	166.3	170.0
87.5°	75.8	75.8	75.8	64.7	68.4	98.0	125.7	85.0	77.6	46.2	46.2
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)