

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: P476846

Luminaire Tested: **IFLD-S-SA6B-722-U-T2R**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476846
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-722-U-T2R
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

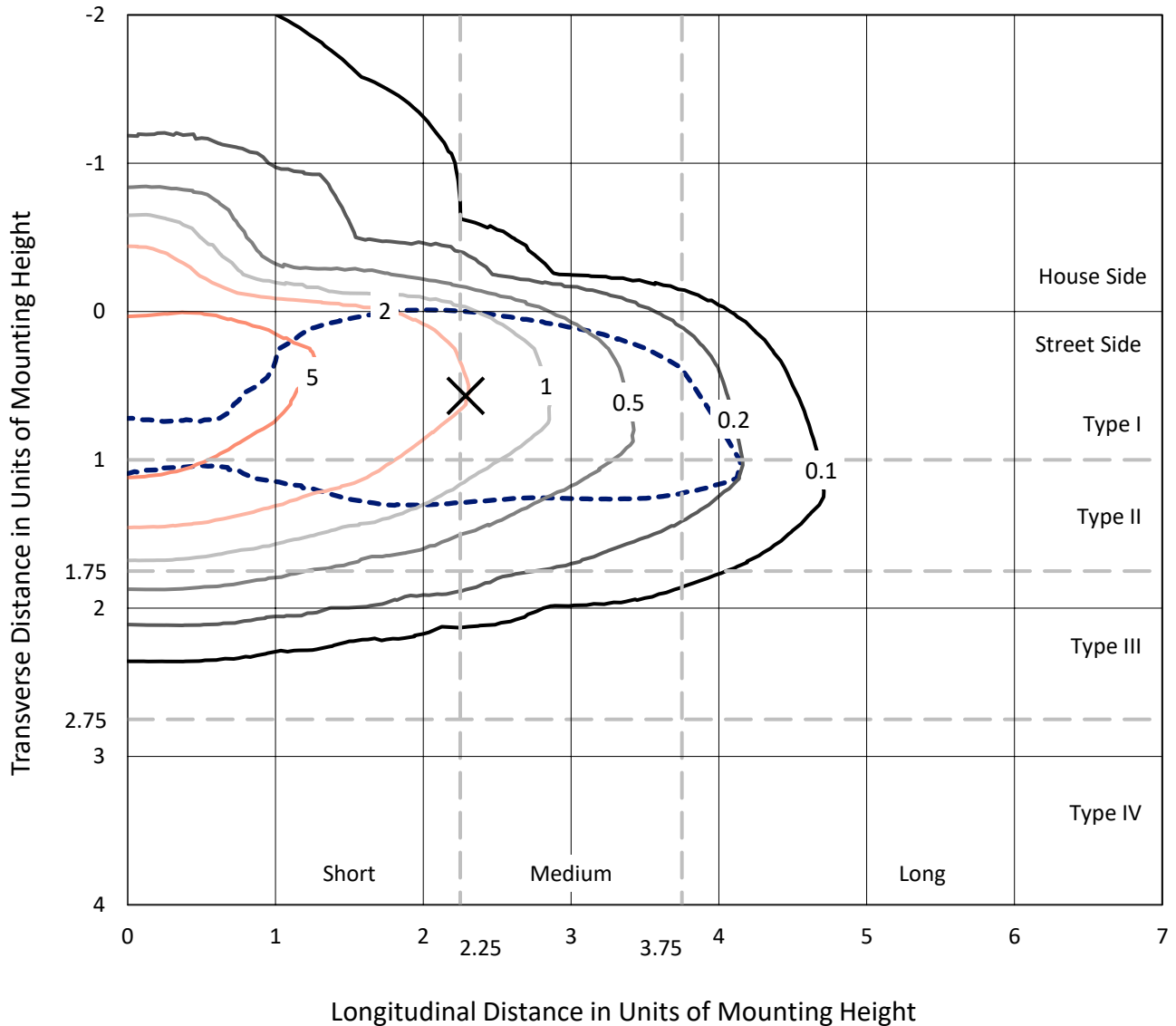
Lumens per Lamp: N/A
Luminaire Lumens: 24725.7 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G3

Input Watts (W): 244.9
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: P476846
 CATALOG NUMBER: IFLD-S-SA6B-722-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

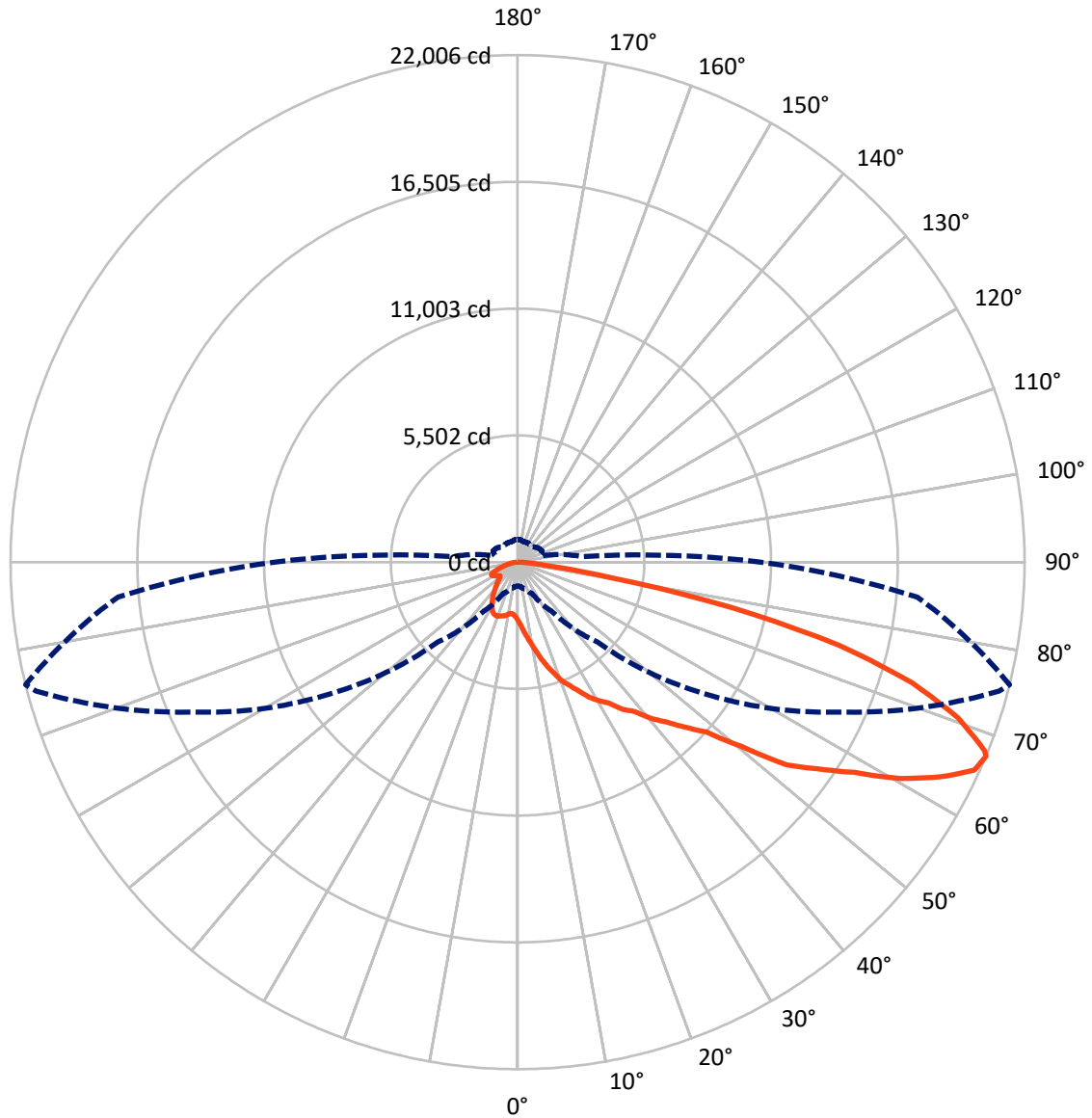
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 fc
 Type II - Medium - N/A

REPORT NUMBER: P476846
CATALOG NUMBER: IFLD-S-SA6B-722-U-T2R

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

REPORT NUMBER: P476846

CATALOG NUMBER: IFLD-S-SA6B-722-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3517.5	0.0	3517.5
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	21208.1	0.0	21208.1
	% Fixture	85.8	0.0	85.8
Total	Lumens	24725.7	0.0	24725.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	293.1	1.2
10°-20°	1099.3	4.4
20°-30°	2043.7	8.3
30°-40°	3239.7	13.1
40°-50°	4480.8	18.1
50°-60°	5511.7	22.3
60°-70°	5128.9	20.7
70°-80°	2573.6	10.4
80°-90°	354.9	1.4
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°	24725.7	100.0
0°-180°	24725.7	100.0

Coefficient of Utilization



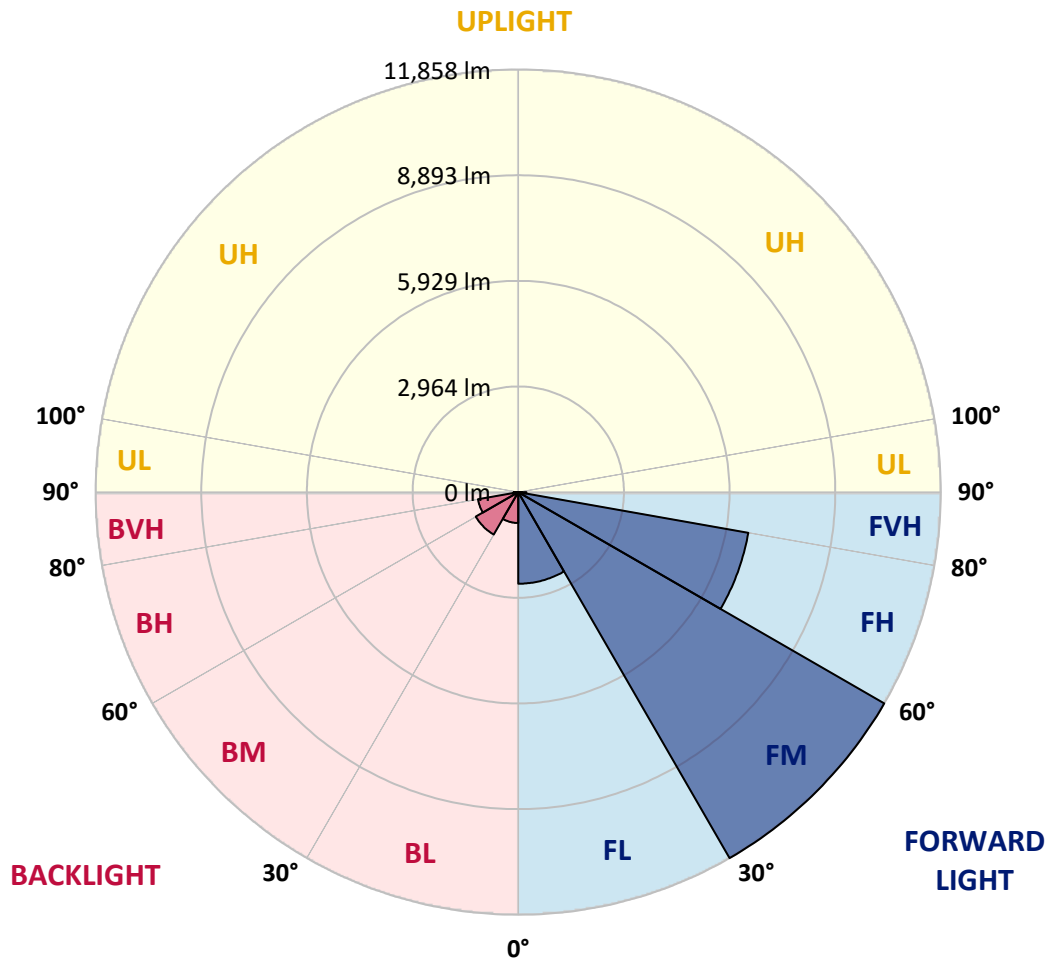
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 CATALOG NUMBER: IFLD-S-SA6B-722-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2569.8	10.4			
FM (30°-60°)	11857.6	48.0			
FH (60°-80°)	6554.6	26.5			G3/7500
FVH (80°-90°)	226.1	0.9			G3/500
BL (0°-30°)	866.2	3.5	B2/1000		
BM (30°-60°)	1374.6	5.6	B2/2500		
BH (60°-80°)	1148.0	4.6	B3/2500		G3/2500
BVH (80°-90°)	128.8	0.5			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 Medium





REPORT NUMBER: P476846
 CATALOG NUMBER: IFLD-S-SA6B-722-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2530.3	2530.3	2530.3	2530.3	2530.3	2530.3	2530.3	2530.3	2530.3	2530.3	2530.3
2.5°	3510.9	3468.6	3426.3	3336.2	3305.2	3220.6	3065.7	2893.8	2752.9	2733.2	2634.5
5°	4356.2	4294.2	4280.1	4229.4	4068.8	3905.3	3651.7	3375.6	3031.8	3057.2	2719.1
7.5°	4990.1	4953.5	4877.4	4829.5	4733.7	4516.8	4254.7	3888.4	3451.7	3367.1	2907.9
10°	5469.2	5418.4	5415.6	5373.4	5322.6	5100.0	4900.0	4406.9	3846.2	3730.6	3138.9
12.5°	5711.5	5703.0	5852.4	5852.4	5832.6	5739.7	5395.9	4945.1	4220.9	4181.5	3406.6
15°	5973.5	5903.1	6032.7	6131.3	6182.0	6229.9	5945.3	5469.2	4699.9	4623.8	3694.0
17.5°	5973.5	5967.9	6097.5	6260.9	6525.8	6587.8	6432.8	5951.0	5097.2	5040.9	4009.6
20°	5872.1	5953.8	6044.0	6263.7	6551.1	6801.9	6847.0	6444.1	5536.8	5491.7	4367.4
22.5°	6345.5	6266.6	6359.5	6444.1	6666.7	7047.1	7171.0	6878.0	5998.9	5827.0	4691.5
25°	7140.0	7086.5	7018.9	6894.9	6987.9	7154.1	7342.9	7199.2	6393.4	6201.8	5004.2
27.5°	7914.9	7917.7	7771.2	7500.7	7300.7	7334.5	7557.1	7481.0	6725.8	6641.3	5218.4
30°	9016.6	8949.0	8785.6	8419.3	8027.6	7706.4	7669.8	7743.0	7148.5	6985.1	5525.5
32.5°	9842.2	9856.3	9625.3	9098.3	8563.0	8300.9	7979.7	8010.7	7416.2	7295.0	5770.6
35°	10510.0	10493.1	10329.7	9892.9	9259.0	8943.4	8509.4	8331.9	8038.9	7847.3	6145.4
37.5°	11231.3	11093.3	10828.4	10335.3	9929.6	9492.8	9070.2	8670.1	8453.1	8222.0	6466.6
40°	11521.6	11521.6	11166.5	10941.1	10459.3	10129.6	9856.3	9115.3	8957.5	8912.4	6878.0
42.5°	11315.9	11442.7	11296.2	11039.7	10842.5	10425.5	10352.2	9577.4	9580.2	9490.0	7371.1
45°	11296.2	11121.5	11000.3	11065.1	10972.1	10949.6	11135.5	10217.0	10233.9	10222.6	8033.3
47.5°	10729.8	10650.9	10831.2	10938.3	11014.4	11363.8	11899.1	10980.6	11101.7	11017.2	8796.9
50°	10166.3	10152.2	10264.9	10653.7	10983.4	11558.2	12626.1	12158.4	12555.7	12550.0	10180.3
52.5°	8622.2	8771.5	9213.9	10036.6	10851.0	11823.1	13175.6	13663.0	14421.0	14626.7	11327.1
55°	7145.7	7066.8	7720.5	8915.2	10273.3	11927.3	13789.8	14567.5	15683.3	15832.6	12504.9
57.5°	5559.3	5705.8	6221.5	7368.3	9078.6	11411.7	14240.6	15460.7	17109.1	17224.6	13871.5
60°	4147.7	4167.4	4733.7	5657.9	7489.4	10248.0	14387.2	16376.5	18743.3	19073.0	15302.9
62.5°	2609.2	2727.5	3158.6	4068.8	5638.2	8619.3	13730.6	16931.5	20456.5	20543.8	16745.6
65°	1406.0	1482.1	1806.1	2378.1	3939.1	6520.2	11989.3	16599.1	21262.3	21780.8	17388.0
67°	1039.7	1053.8	1203.2	1518.7	2634.5	4908.4	9997.2	15395.9	21628.7	22006.2	17413.4
67.5°	974.9	994.6	1113.0	1363.8	2335.9	4519.6	9475.9	14967.6	21465.2	21871.0	17216.1
70°	834.0	839.7	867.9	938.3	1310.2	2719.1	6452.5	12265.4	19895.8	20284.6	15832.6
72.5°	741.1	746.7	758.0	772.0	887.6	1572.3	3925.1	9439.3	17292.2	17912.1	13660.2
75°	650.9	670.6	676.2	665.0	755.1	1022.8	2087.9	6937.2	14105.4	14406.9	10622.7
77.5°	552.3	560.7	572.0	583.3	673.4	763.6	1003.1	4683.0	9681.6	9498.5	5745.3
80°	464.9	467.7	476.2	484.6	583.3	583.3	569.2	2530.3	4229.4	4043.4	1941.4
82.5°	332.5	352.2	371.9	394.5	484.6	391.7	371.9	1127.1	1338.4	1273.6	656.5
85°	129.6	157.8	245.1	270.5	307.1	211.3	248.0	487.5	557.9	552.3	245.1
87.5°	22.5	25.4	67.6	104.3	112.7	73.3	118.3	174.7	208.5	225.4	90.2
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: P476846
 CATALOG NUMBER: IFLD-S-SA6B-722-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2530.3	2530.3	2530.3	2530.3	2530.3	2530.3	2530.3	2530.3	2530.3	2530.3	2530.3
2.5°	2552.8	2465.5	2361.2	2257.0	2189.4	2082.3	2073.8	2009.0	2000.6	1978.0	1989.3
5°	2572.6	2468.3	2257.0	2090.7	2014.7	1952.7	1966.8	1938.6	1930.1	1916.0	1893.5
7.5°	2727.5	2521.8	2206.3	2062.6	2006.2	1978.0	1978.0	1944.2	1918.9	1935.8	1952.7
10°	2829.0	2547.2	2245.7	2102.0	2056.9	1994.9	2017.5	1975.2	1989.3	1955.5	1955.5
12.5°	2992.4	2690.9	2327.4	2161.2	2087.9	2031.6	2054.1	2006.2	1994.9	1997.7	1989.3
15°	3212.2	2786.7	2364.0	2195.0	2144.3	2073.8	2056.9	2014.7	1972.4	1958.3	1975.2
17.5°	3417.9	2905.0	2389.4	2214.7	2133.0	2054.1	2034.4	1980.8	1966.8	1924.5	1890.7
20°	3663.0	3045.9	2423.2	2231.6	2090.7	2011.8	1961.1	1907.6	1859.7	1834.3	1845.6
22.5°	3826.4	3119.2	2440.1	2197.8	2028.7	1955.5	1848.4	1811.8	1744.2	1716.0	1693.4
25°	4094.1	3209.4	2397.9	2104.8	1918.9	1800.5	1704.7	1654.0	1606.1	1569.5	1558.2
27.5°	4161.7	3277.0	2299.2	1947.0	1744.2	1620.2	1538.5	1476.5	1445.5	1389.1	1377.9
30°	4359.0	3209.4	2152.7	1755.4	1577.9	1451.1	1369.4	1324.3	1251.1	1237.0	1206.0
32.5°	4485.8	3229.1	1966.8	1569.5	1386.3	1273.6	1220.1	1175.0	1155.3	1087.6	1070.7
35°	4697.1	3161.5	1778.0	1397.6	1228.5	1141.2	1096.1	1082.0	1017.2	986.2	958.0
37.5°	4832.4	3122.0	1589.2	1203.2	1056.6	1020.0	1034.1	974.9	896.0	836.9	817.1
40°	5069.0	3107.9	1375.0	1042.5	938.3	929.8	974.9	862.2	718.5	667.8	639.6
42.5°	5410.0	3012.1	1208.8	898.8	845.3	881.9	890.4	718.5	636.8	594.5	574.8
45°	5736.8	3031.8	1045.4	743.9	735.4	789.0	769.2	608.6	560.7	529.7	546.6
47.5°	6365.2	3130.5	884.8	619.9	662.2	712.9	597.4	543.8	498.7	476.2	479.0
50°	7337.3	3226.3	743.9	566.4	625.5	645.3	512.8	493.1	490.3	445.2	442.4
52.5°	7920.5	3189.6	718.5	634.0	670.6	645.3	557.9	543.8	521.3	501.6	479.0
55°	8847.6	3296.7	772.0	741.1	760.8	619.9	625.5	619.9	603.0	552.3	566.4
57.5°	9585.8	3367.1	842.5	828.4	817.1	645.3	653.7	656.5	645.3	622.7	642.4
60°	10600.2	3508.0	915.8	918.6	921.4	701.6	715.7	732.6	729.8	721.3	727.0
62.5°	11222.9	3443.2	997.5	1042.5	1028.5	817.1	814.3	825.6	825.6	839.7	848.1
65°	11129.9	3203.7	1039.7	1152.4	1079.2	901.7	901.7	907.3	910.1	938.3	941.1
67°	10572.0	2775.4	1017.2	1169.3	1079.2	935.5	935.5	941.1	921.4	994.6	972.1
67.5°	10312.8	2648.6	997.5	1155.3	1070.7	932.7	932.7	935.5	918.6	989.0	966.5
70°	8968.7	1966.8	859.4	1022.8	991.8	907.3	907.3	890.4	876.3	969.3	949.6
72.5°	7655.7	1428.6	690.3	870.7	896.0	873.5	879.1	836.9	797.4	862.2	845.3
75°	5863.6	1051.0	538.2	670.6	758.0	817.1	853.8	746.7	696.0	712.9	681.9
77.5°	3271.3	684.7	425.5	495.9	577.6	760.8	820.0	673.4	569.2	549.5	549.5
80°	1110.2	400.1	312.8	369.1	397.3	673.4	766.4	546.6	448.0	428.3	414.2
82.5°	419.8	245.1	214.1	253.6	253.6	532.5	625.5	419.8	338.1	436.7	445.2
85°	191.6	146.5	140.9	146.5	146.5	326.9	442.4	273.3	304.3	262.0	231.1
87.5°	76.1	70.4	64.8	62.0	50.7	56.4	152.2	73.3	138.1	36.6	33.8
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)