

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: P476458

Luminaire Tested: **IFLD-S-SA6D-722-U-T2**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P476458  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-722-U-T2  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

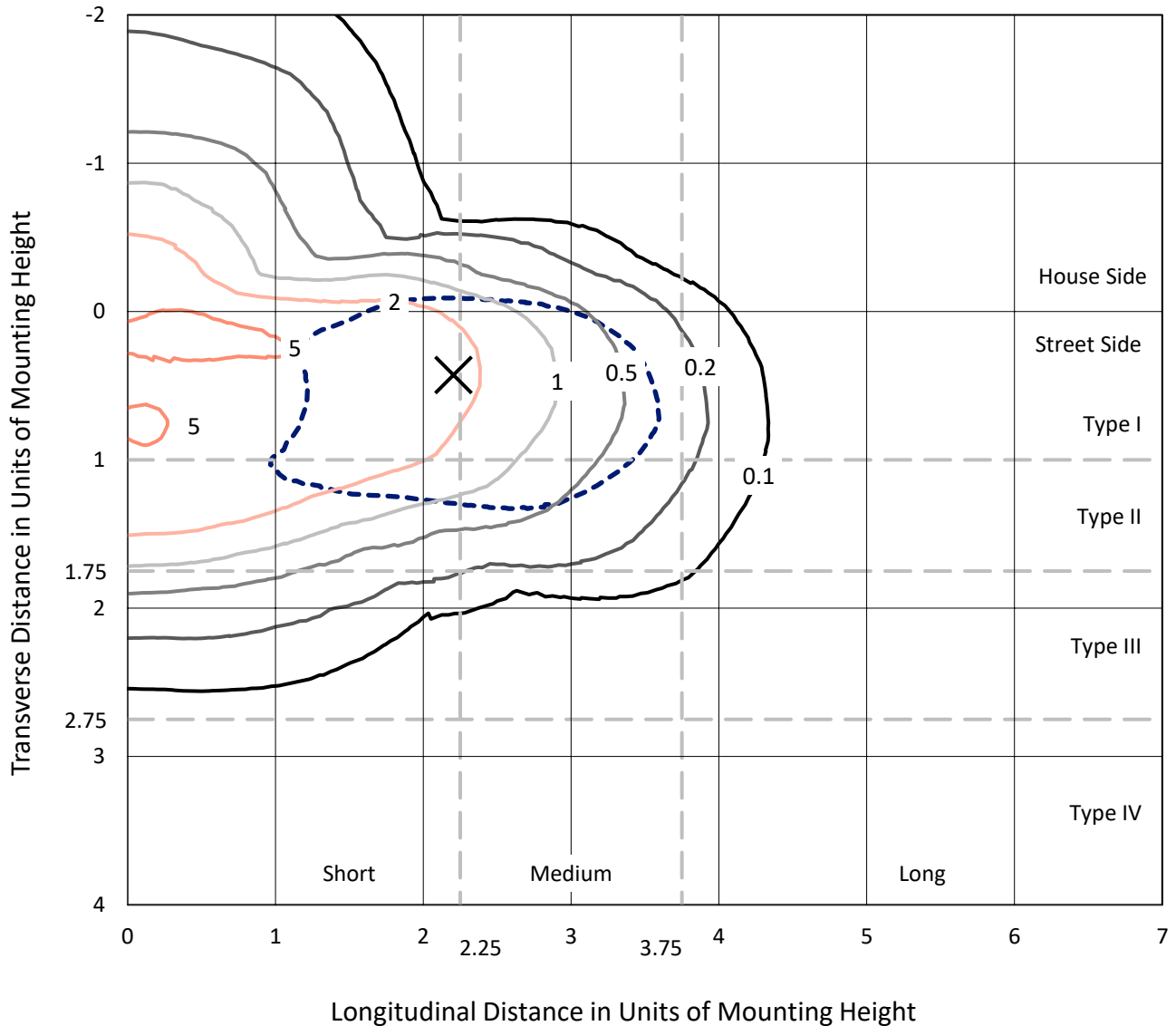
Lumens per Lamp: N/A  
Luminaire Lumens: 33638.1 lumens  
Efficiency: N/A  
Efficacy: 91.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G4

Input Watts (W): 368.2  
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: P476458  
 CATALOG NUMBER: IFLD-S-SA6D-722-U-T2

### Iso-Footcandle Lines of Horizontal Illumination

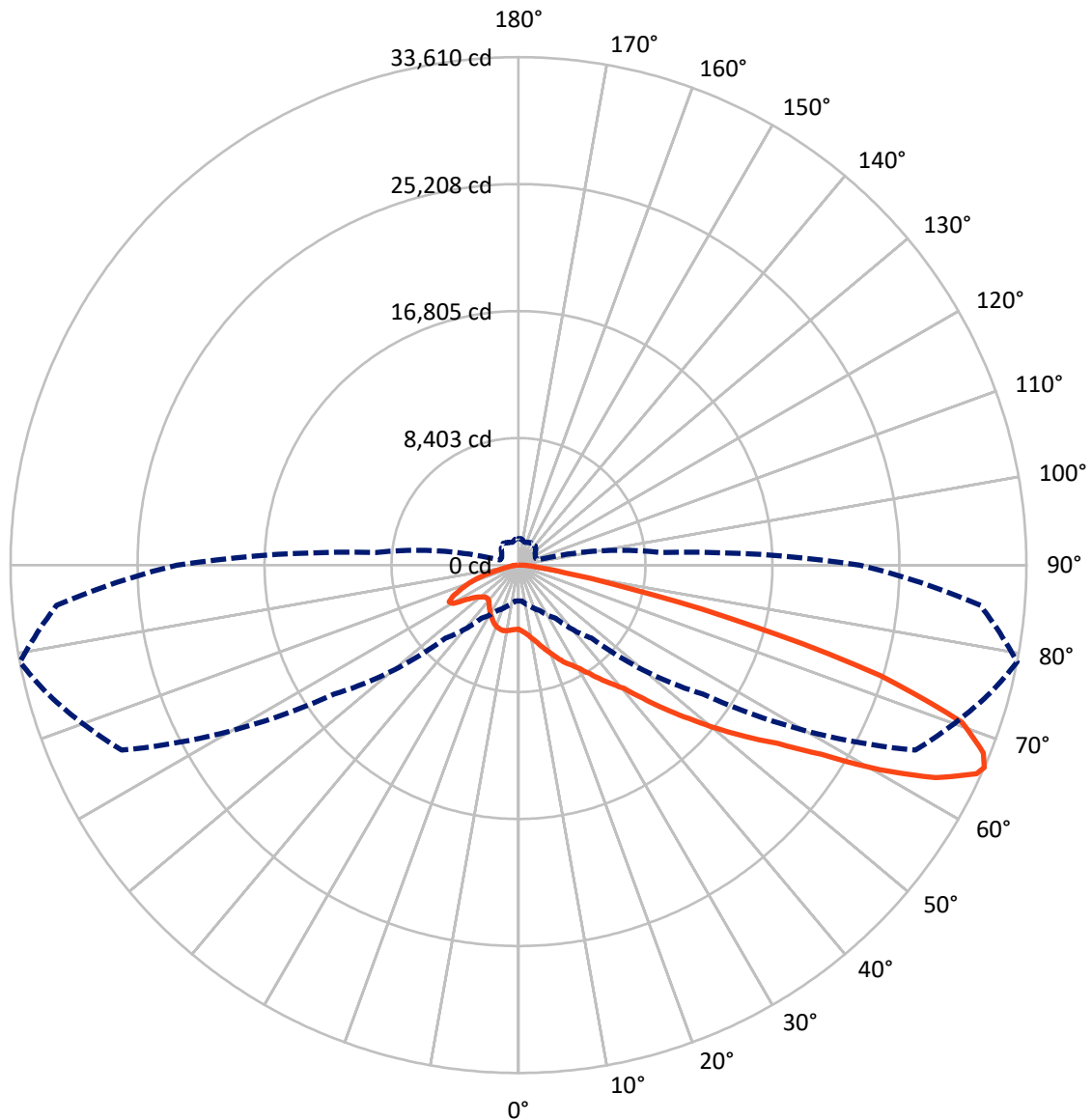
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6 fc  
 Type II - Short - N/A

REPORT NUMBER: P476458  
CATALOG NUMBER: IFLD-S-SA6D-722-U-T2

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P476458  
 CATALOG NUMBER: IFLD-S-SA6D-722-U-T2

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6792.8	0.0	6792.8
	% Fixture	20.2	0.0	20.2
<b>Street Side</b>	Lumens	26845.3	0.0	26845.3
	% Fixture	79.8	0.0	79.8
<b>Total</b>	Lumens	33638.1	0.0	33638.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	417.7	1.2
10°-20°	1289.7	3.8
20°-30°	2213.8	6.6
30°-40°	3419.9	10.2
40°-50°	5477.9	16.3
50°-60°	8178.9	24.3
60°-70°	8403.8	25.0
70°-80°	3725.3	11.1
80°-90°	511.1	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°	33638.1	100.0
0°-180°	33638.1	100.0

**Coefficient of Utilization**



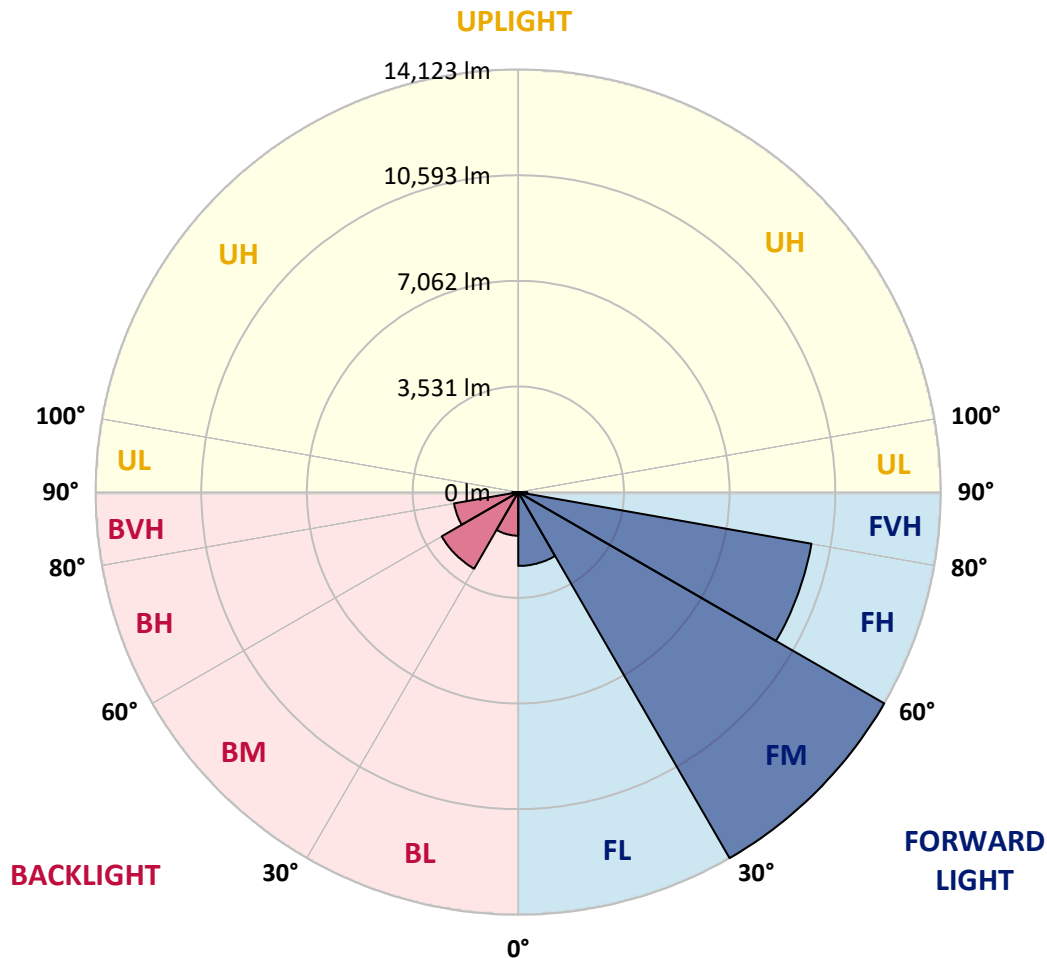
REPORT NUMBER: P476458  
 CATALOG NUMBER: IFLD-S-SA6D-722-U-T2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2465.9	7.3			
FM (30°-60°)	14123.5	42.0			
FH (60°-80°)	9949.4	29.6			G4/12000
FVH (80°-90°)	306.6	0.9			G3/500
BL (0°-30°)	1455.3	4.3	B3/2500		
BM (30°-60°)	2953.2	8.8	B3/5000		
BH (60°-80°)	2179.7	6.5	B3/2500		G3/2500
BVH (80°-90°)	204.6	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-G4**

Type II Short





REPORT NUMBER: P476458

CATALOG NUMBER: IFLD-S-SA6D-722-U-T2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	4247.6	4247.6	4247.6	4247.6	4247.6	4247.6	4247.6	4247.6	4247.6	4247.6	4247.6
2.5°	4517.7	4521.4	4521.4	4506.6	4510.3	4521.4	4480.7	4391.9	4391.9	4377.1	4351.2
5°	4795.1	4776.6	4750.7	4754.4	4739.6	4739.6	4695.2	4610.1	4536.2	4506.6	4428.9
7.5°	4832.1	4850.6	4846.9	4891.3	4913.5	4913.5	4935.7	4865.4	4754.4	4684.1	4606.5
10°	4906.1	4858.0	4854.3	4957.9	4991.2	5068.9	5157.7	5120.7	5028.2	4928.3	4824.7
12.5°	4950.5	4980.1	4980.1	5031.9	5109.6	5224.3	5379.7	5450.0	5305.7	5202.1	5043.0
15°	5017.1	4976.4	5094.8	5139.2	5287.2	5368.6	5590.6	5771.9	5675.7	5549.9	5298.3
17.5°	5046.7	5020.8	5087.4	5168.8	5420.4	5542.5	5812.6	6064.2	5982.8	5901.4	5642.4
20°	5198.4	5194.7	5224.3	5290.9	5472.2	5712.7	6049.4	6397.2	6426.8	6278.8	5927.3
22.5°	5568.4	5520.3	5520.3	5494.4	5572.1	5820.0	6275.1	6756.1	6889.3	6715.4	6249.2
25°	5908.8	5975.4	5934.7	5816.3	5786.7	5916.2	6437.9	7137.2	7314.8	7152.0	6685.8
27.5°	6345.4	6367.6	6437.9	6278.8	6075.3	6116.0	6615.5	7351.8	7718.1	7499.8	6933.7
30°	6974.4	6933.7	6918.9	6741.3	6474.9	6419.4	6819.0	7666.3	8247.2	7940.1	7226.0
32.5°	7399.9	7499.8	7496.1	7251.9	6930.0	6807.9	7070.6	7962.3	8813.3	8528.4	7766.2
35°	8243.5	8347.1	8265.7	7906.8	7529.4	7285.2	7433.2	8347.1	9460.8	9238.8	8225.0
37.5°	9320.2	9564.4	9390.5	8728.2	8195.4	7929.0	7936.4	8765.2	10123.1	9941.8	8717.1
40°	10063.9	10393.2	10152.7	9531.1	8965.0	8713.4	8613.5	9261.0	10914.9	10722.5	9486.7
42.5°	10985.2	11259.0	11133.2	10519.0	9856.7	9642.1	9442.3	10089.8	12124.8	12036.0	10474.6
45°	11991.6	12121.1	12080.4	11691.9	10955.6	10881.6	10441.3	11181.3	13549.3	13586.3	11710.4
47.5°	12927.7	12998.0	13075.7	12794.5	12335.7	12398.6	11592.0	12350.5	14933.0	15177.2	13086.8
50°	13168.2	13408.7	13590.0	13778.7	13878.5	14304.0	12861.1	13786.1	16524.0	16997.6	14618.5
52.5°	12924.0	12905.5	13456.8	14048.7	15047.7	15939.4	14588.9	15569.4	17930.0	18866.1	16020.8
55°	11814.0	11777.0	12665.0	13449.4	15399.2	16849.6	17056.8	17944.8	19628.3	20845.6	17918.9
57.5°	9871.5	9642.1	10611.5	11899.1	14637.0	16949.5	19535.8	21470.9	22240.5	23627.9	20816.0
60°	6634.0	6537.8	7466.5	9002.0	11884.3	15532.4	21019.5	25884.9	25921.9	27483.3	25311.4
62.5°	4084.8	4103.3	4698.9	5849.6	8321.2	12313.5	20379.4	29411.0	29418.4	30983.5	29011.4
65°	2671.4	2682.5	3163.5	3799.9	5198.4	8350.8	16853.3	29688.5	31849.3	33303.3	30706.0
66°	2379.1	2382.8	2797.2	3315.2	4306.8	6833.8	14884.9	28967.0	32396.8	33610.4	30683.8
67.5°	2005.4	2053.5	2386.5	2786.1	3359.6	4909.8	11810.3	26880.2	32115.7	33181.2	29988.2
70°	1568.8	1594.7	1857.4	2264.4	2519.7	2841.6	7018.8	21911.2	29396.2	31124.1	27457.4
72.5°	1258.0	1280.2	1480.0	1838.9	2046.1	1872.2	3822.1	15898.7	23220.9	25063.5	21596.7
75°	1061.9	1065.6	1161.8	1446.7	1683.5	1406.0	2035.0	10204.5	14899.7	15758.1	13231.1
77.5°	858.4	873.2	939.8	1102.6	1354.2	1106.3	1213.6	5716.4	7481.3	7544.2	6116.0
80°	699.3	706.7	747.4	802.9	1032.3	817.7	821.4	2789.8	3207.9	3133.9	2486.4
82.5°	551.3	558.7	606.8	595.7	758.5	584.6	510.6	1343.1	1476.3	1446.7	1143.3
85°	310.8	310.8	477.3	477.3	481.0	370.0	310.8	632.7	780.7	728.9	536.5
87.5°	99.9	103.6	144.3	151.7	240.5	166.5	151.7	236.8	370.0	325.6	192.4
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: P476458  
 CATALOG NUMBER: IFLD-S-SA6D-722-U-T2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4247.6	4247.6	4247.6	4247.6	4247.6	4247.6	4247.6	4247.6	4247.6	4247.6	4247.6
2.5°	4336.4	4277.2	4251.3	4166.2	4144.0	4088.5	4062.6	4029.3	4018.2	3970.1	4014.5
5°	4369.7	4351.2	4247.6	4140.3	4058.9	4021.9	3966.4	3892.4	3885.0	3818.4	3811.0
7.5°	4510.3	4447.4	4266.1	4151.4	3988.6	3896.1	3774.0	3737.0	3688.9	3666.7	3714.8
10°	4728.5	4569.5	4299.4	4010.8	3811.0	3700.0	3611.2	3585.3	3589.0	3574.2	3552.0
12.5°	4883.9	4732.2	4243.9	3892.4	3633.4	3526.1	3518.7	3544.6	3585.3	3566.8	3592.7
15°	5105.9	4821.0	4203.2	3696.3	3489.1	3459.5	3455.8	3533.5	3529.8	3529.8	3526.1
17.5°	5313.1	4909.8	4055.2	3526.1	3337.4	3359.6	3385.5	3381.8	3418.8	3433.6	3459.5
20°	5575.8	5013.4	3848.0	3355.9	3222.7	3215.3	3211.6	3215.3	3252.3	3274.5	3256.0
22.5°	5805.2	5035.6	3674.1	3193.1	3085.8	3056.2	3008.1	3056.2	3037.7	3045.1	3067.3
25°	6005.0	5039.3	3426.2	3071.0	2948.9	2882.3	2845.3	2841.6	2808.3	2804.6	2804.6
27.5°	6171.5	4913.5	3207.9	2900.8	2786.1	2723.2	2719.5	2678.8	2593.7	2538.2	2545.6
30°	6301.0	4817.3	3056.2	2752.8	2641.8	2630.7	2597.4	2504.9	2393.9	2323.6	2323.6
32.5°	6530.4	4624.9	2849.0	2601.1	2545.6	2530.8	2453.1	2371.7	2268.1	2201.5	2190.4
35°	6700.6	4447.4	2712.1	2471.6	2445.7	2416.1	2349.5	2260.7	2231.1	2216.3	2227.4
37.5°	6893.0	4247.6	2545.6	2360.6	2386.5	2331.0	2253.3	2212.6	2316.2	2290.3	2301.4
40°	7200.1	4107.0	2382.8	2294.0	2319.9	2257.0	2157.1	2142.3	2271.8	2179.3	2157.1
42.5°	7762.5	4103.3	2282.9	2194.1	2212.6	2164.5	2075.7	2068.3	2120.1	2009.1	1975.8
45°	8461.8	4232.8	2208.9	2120.1	2105.3	2097.9	2068.3	2035.0	1990.6	1846.3	1809.3
47.5°	9298.0	4443.7	2194.1	2009.1	2027.6	2090.5	2053.5	1968.4	1853.7	1761.2	1742.7
50°	10311.8	4880.2	2157.1	1927.7	1961.0	2060.9	2031.3	1912.9	1809.3	1750.1	1739.0
52.5°	11432.9	5431.5	2109.0	1801.9	1875.9	2035.0	2049.8	1938.8	1787.1	1735.3	1727.9
55°	12753.8	6245.5	2053.5	1665.0	1776.0	2009.1	2049.8	1864.8	1757.5	1757.5	1750.1
57.5°	15362.2	7710.7	1938.8	1539.2	1687.2	1961.0	1990.6	1868.5	1761.2	1761.2	1746.4
60°	19188.0	9997.3	1720.5	1443.0	1602.1	1894.4	1946.2	1813.0	1720.5	1742.7	1739.0
62.5°	22181.3	10692.9	1535.5	1350.5	1517.0	1772.3	1887.0	1753.8	1672.4	1753.8	1761.2
65°	22821.4	9989.9	1346.8	1250.6	1398.6	1653.9	1801.9	1668.7	1602.1	1761.2	1768.6
66°	22592.0	9442.3	1280.2	1221.0	1346.8	1594.7	1750.1	1639.1	1565.1	1753.8	1757.5
67.5°	21570.8	8620.9	1206.2	1158.1	1276.5	1509.6	1690.9	1598.4	1505.9	1731.6	1698.3
70°	19350.8	7311.1	1080.4	1047.1	1176.6	1369.0	1554.0	1494.8	1413.4	1594.7	1535.5
72.5°	14903.4	5842.2	947.2	950.9	1061.9	1224.7	1417.1	1376.4	1306.1	1398.6	1361.6
75°	9076.0	3733.3	825.1	832.5	925.0	1087.8	1287.6	1258.0	1172.9	1224.7	1206.2
77.5°	4021.9	1850.0	695.6	710.4	784.4	958.3	1121.1	1073.0	984.2	995.3	987.9
80°	1561.4	876.9	566.1	584.6	632.7	765.9	928.7	884.3	806.6	791.8	784.4
82.5°	751.1	488.4	436.6	444.0	462.5	610.5	799.2	743.7	640.1	573.5	573.5
85°	377.4	303.4	307.1	281.2	307.1	414.4	540.2	451.4	373.7	333.0	340.4
87.5°	151.7	151.7	151.7	129.5	136.9	196.1	251.6	170.2	155.4	92.5	92.5
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)