

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: P476827

Luminaire Tested: **IFLD-S-SA2C-722-U-T2R**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P476827  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA2C-722-U-T2R  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens  
Light Source: (32) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

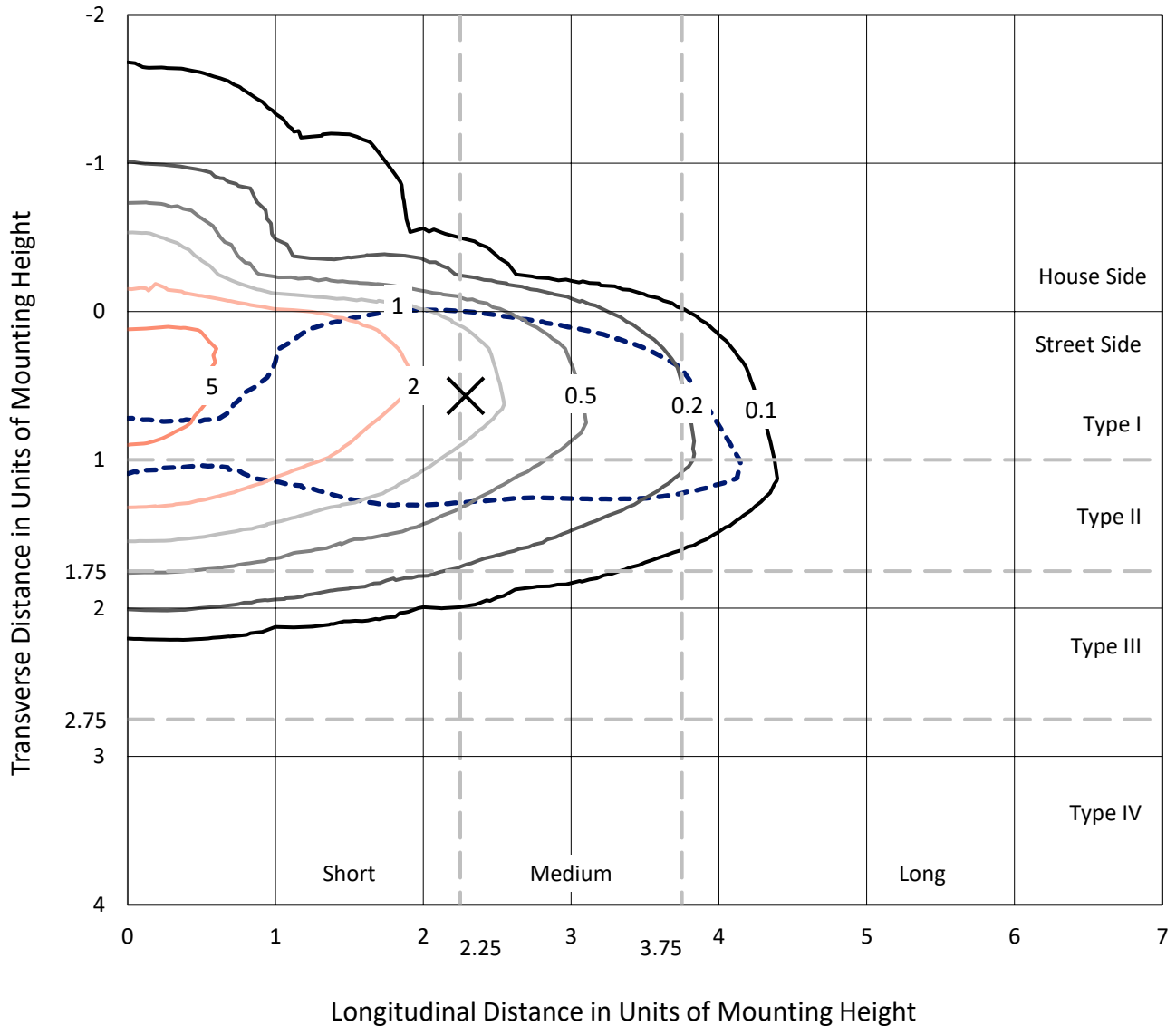
Lumens per Lamp: N/A  
Luminaire Lumens: 10528.4 lumens  
Efficiency: N/A  
Efficacy: 97.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G2

Input Watts (W): 108.2  
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: P476827  
 CATALOG NUMBER: IFLD-S-SA2C-722-U-T2R

### Iso-Footcandle Lines of Horizontal Illumination

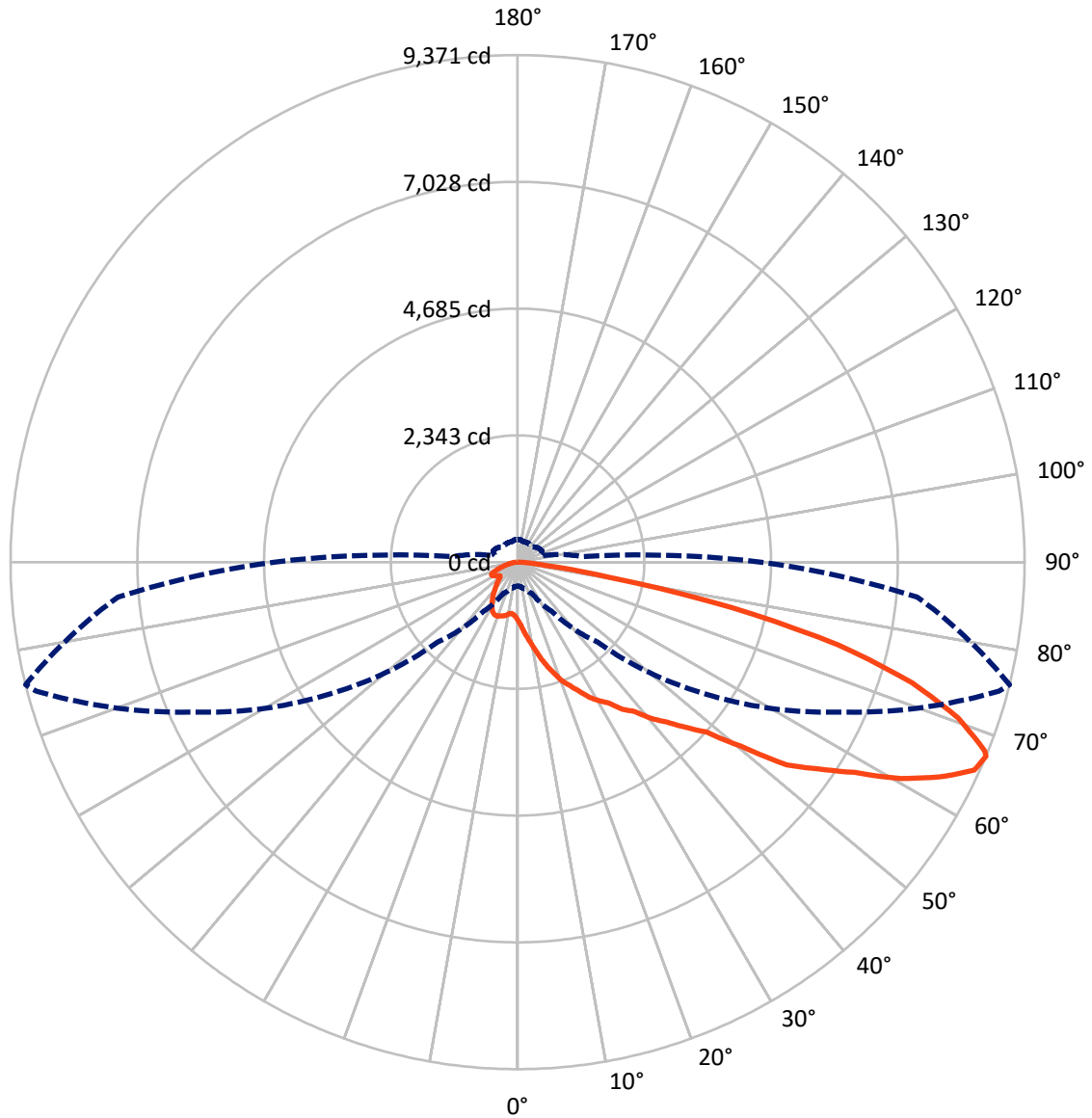
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.3 fc  
 Type II - Medium - N/A

REPORT NUMBER: P476827  
CATALOG NUMBER: IFLD-S-SA2C-722-U-T2R

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P476827

CATALOG NUMBER: IFLD-S-SA2C-722-U-T2R

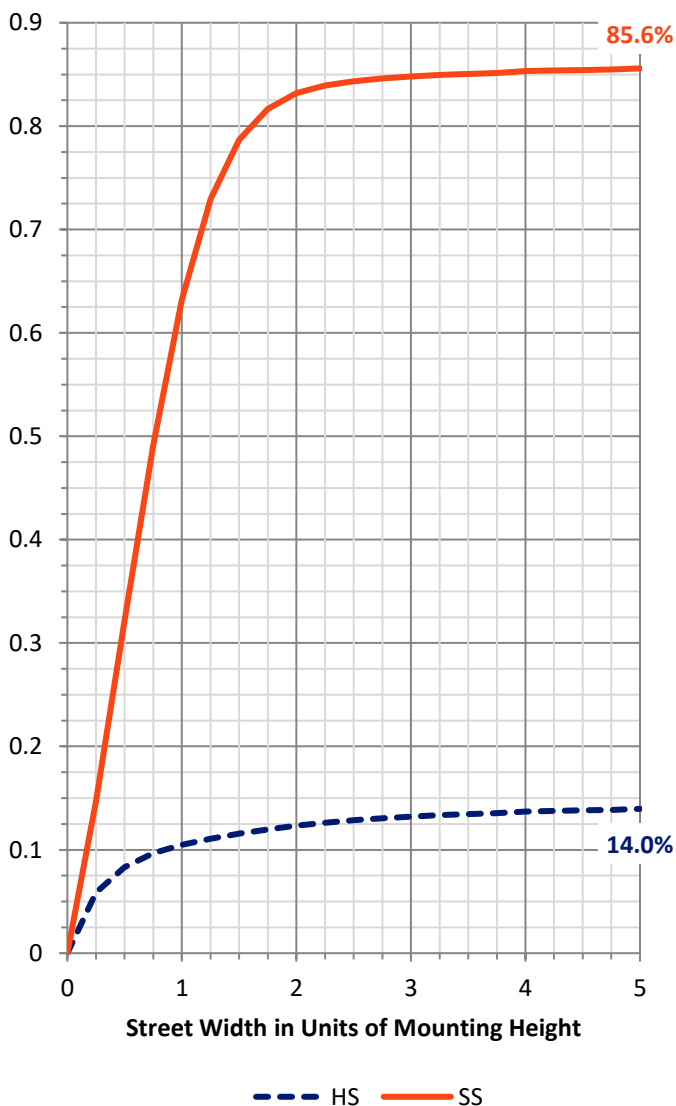
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1497.8	0.0	1497.8
	% Fixture	14.2	0.0	14.2
<b>Street Side</b>	Lumens	9030.6	0.0	9030.6
	% Fixture	85.8	0.0	85.8
<b>Total</b>	Lumens	10528.4	0.0	10528.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.8	1.2
10°-20°	468.1	4.4
20°-30°	870.2	8.3
30°-40°	1379.5	13.1
40°-50°	1908.0	18.1
50°-60°	2346.9	22.3
60°-70°	2183.9	20.7
70°-80°	1095.9	10.4
80°-90°	151.1	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°	10528.4	100.0
0°-180°	10528.4	100.0

**Coefficient of Utilization**

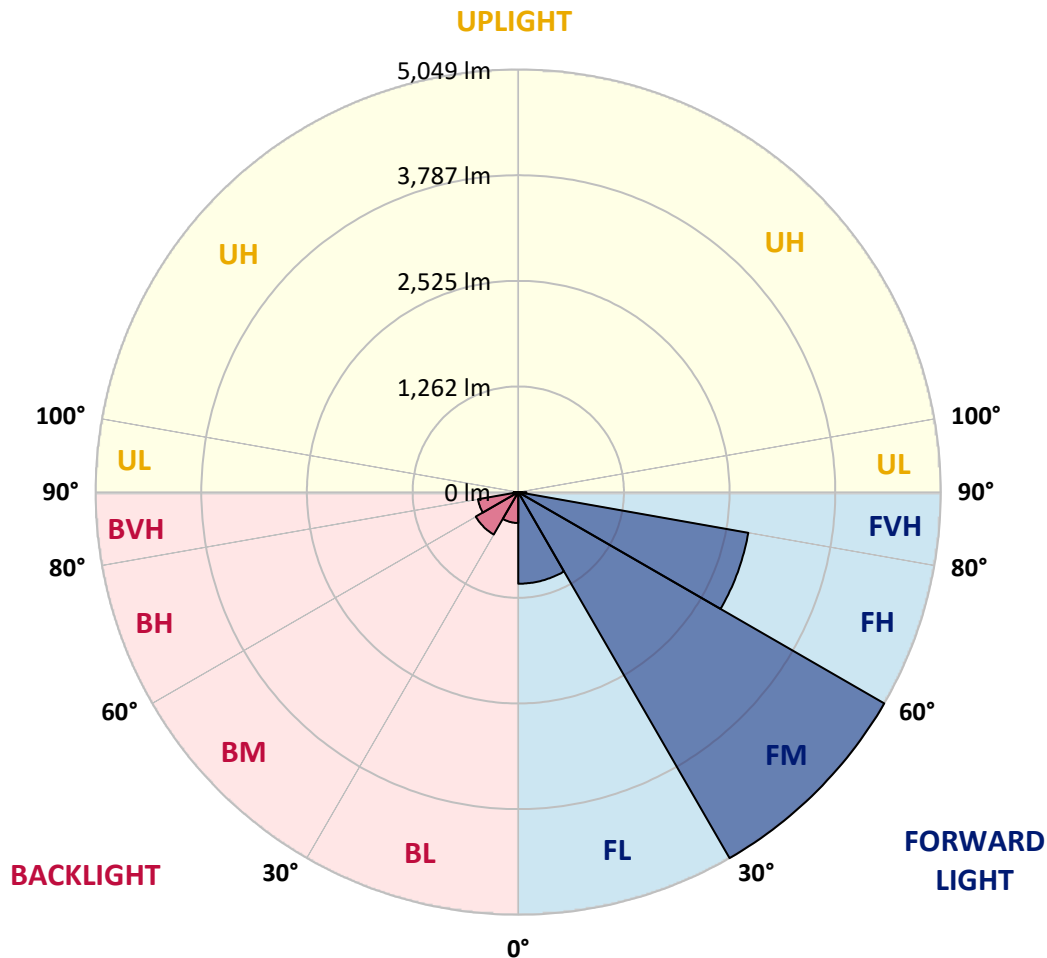


REPORT NUMBER: P476827  
 CATALOG NUMBER: IFLD-S-SA2C-722-U-T2R

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1094.3	10.4			
FM (30°-60°)	5049.1	48.0			
FH (60°-80°)	2791.0	26.5			G2/5000
FVH (80°-90°)	96.3	0.9			G1/100
BL (0°-30°)	368.9	3.5	B1/500		
BM (30°-60°)	585.3	5.6	B1/1000		
BH (60°-80°)	488.8	4.6	B1/500		G1/500
BVH (80°-90°)	54.8	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**  
 Type II Medium





REPORT NUMBER: P476827  
 CATALOG NUMBER: IFLD-S-SA2C-722-U-T2R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1077.4	1077.4	1077.4	1077.4	1077.4	1077.4	1077.4	1077.4	1077.4	1077.4	1077.4
2.5°	1495.0	1477.0	1459.0	1420.6	1407.4	1371.4	1305.4	1232.2	1172.2	1163.8	1121.8
5°	1854.9	1828.5	1822.5	1800.9	1732.5	1662.9	1554.9	1437.4	1291.0	1301.8	1157.8
7.5°	2124.9	2109.3	2076.9	2056.5	2015.7	1923.3	1811.7	1655.7	1469.8	1433.8	1238.2
10°	2328.8	2307.2	2306.0	2288.0	2266.4	2171.6	2086.5	1876.5	1637.7	1588.5	1336.6
12.5°	2432.0	2428.4	2492.0	2492.0	2483.6	2444.0	2297.6	2105.7	1797.3	1780.5	1450.6
15°	2543.6	2513.6	2568.8	2610.8	2632.4	2652.8	2531.6	2328.8	2001.3	1968.9	1572.9
17.5°	2543.6	2541.2	2596.4	2666.0	2778.7	2805.1	2739.2	2534.0	2170.4	2146.4	1707.3
20°	2500.4	2535.2	2573.6	2667.2	2789.5	2896.3	2915.5	2744.0	2357.6	2338.4	1859.7
22.5°	2702.0	2668.4	2708.0	2744.0	2838.7	3000.7	3053.5	2928.7	2554.4	2481.2	1997.7
25°	3040.3	3017.5	2988.7	2935.9	2975.5	3046.3	3126.7	3065.5	2722.4	2640.8	2130.9
27.5°	3370.2	3371.4	3309.1	3193.9	3108.7	3123.1	3217.9	3185.5	2863.9	2827.9	2222.0
30°	3839.4	3810.6	3741.0	3585.0	3418.2	3281.5	3265.9	3297.1	3043.9	2974.3	2352.8
32.5°	4190.9	4196.9	4098.5	3874.2	3646.2	3534.6	3397.8	3411.0	3157.9	3106.3	2457.2
35°	4475.3	4468.1	4398.5	4212.5	3942.6	3808.2	3623.4	3547.8	3423.0	3341.5	2616.8
37.5°	4782.4	4723.6	4610.8	4400.9	4228.1	4042.1	3862.2	3691.8	3599.4	3501.0	2753.6
40°	4906.0	4906.0	4754.8	4658.8	4453.7	4313.3	4196.9	3881.4	3814.2	3795.0	2928.7
42.5°	4818.4	4872.4	4810.0	4700.8	4616.8	4439.3	4408.1	4078.1	4079.3	4040.9	3138.7
45°	4810.0	4735.6	4684.0	4711.6	4672.0	4662.4	4741.6	4350.5	4357.7	4352.9	3420.6
47.5°	4568.9	4535.3	4612.0	4657.6	4690.0	4838.8	5066.8	4675.6	4727.2	4691.2	3745.8
50°	4328.9	4322.9	4370.9	4536.5	4676.8	4921.6	5376.3	5177.2	5346.3	5343.9	4334.9
52.5°	3671.4	3735.0	3923.4	4273.7	4620.4	5034.4	5610.3	5817.9	6140.6	6228.2	4823.2
55°	3042.7	3009.1	3287.5	3796.2	4374.5	5078.8	5871.8	6203.0	6678.1	6741.7	5324.7
57.5°	2367.2	2429.6	2649.2	3137.5	3865.8	4859.2	6063.8	6583.3	7285.2	7334.4	5906.6
60°	1766.1	1774.5	2015.7	2409.2	3189.1	4363.7	6126.2	6973.3	7981.1	8121.5	6516.1
62.5°	1111.0	1161.4	1345.0	1732.5	2400.8	3670.2	5846.6	7209.6	8710.6	8747.8	7130.4
65°	598.7	631.1	769.1	1012.6	1677.3	2776.3	5105.2	7068.0	9053.7	9274.5	7404.0
67°	442.7	448.7	512.3	646.7	1121.8	2090.1	4256.9	6555.7	9209.7	9370.5	7414.8
67.5°	415.1	423.5	473.9	580.7	994.6	1924.5	4034.9	6373.4	9140.1	9312.9	7330.8
70°	355.1	357.5	369.5	399.5	557.9	1157.8	2747.6	5222.7	8471.8	8637.4	6741.7
72.5°	315.5	317.9	322.7	328.7	377.9	669.5	1671.3	4019.3	7363.2	7627.2	5816.7
75°	277.2	285.6	288.0	283.2	321.5	435.5	889.1	2953.9	6006.2	6134.6	4523.3
77.5°	235.2	238.8	243.6	248.4	286.8	325.1	427.1	1994.1	4122.5	4044.5	2446.4
80°	198.0	199.2	202.8	206.4	248.4	248.4	242.4	1077.4	1800.9	1721.7	826.7
82.5°	141.6	150.0	158.4	168.0	206.4	166.8	158.4	479.9	569.9	542.3	279.6
85°	55.2	67.2	104.4	115.2	130.8	90.0	105.6	207.6	237.6	235.2	104.4
87.5°	9.6	10.8	28.8	44.4	48.0	31.2	50.4	74.4	88.8	96.0	38.4
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: P476827  
 CATALOG NUMBER: IFLD-S-SA2C-722-U-T2R

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1077.4	1077.4	1077.4	1077.4	1077.4	1077.4	1077.4	1077.4	1077.4	1077.4	1077.4
2.5°	1087.0	1049.8	1005.4	961.0	932.2	886.7	883.1	855.5	851.9	842.3	847.1
5°	1095.4	1051.0	961.0	890.3	857.9	831.5	837.5	825.5	821.9	815.9	806.3
7.5°	1161.4	1073.8	939.4	878.3	854.3	842.3	842.3	827.9	817.1	824.3	831.5
10°	1204.6	1084.6	956.2	895.1	875.9	849.5	859.1	841.1	847.1	832.7	832.7
12.5°	1274.2	1145.8	991.0	920.2	889.1	865.1	874.7	854.3	849.5	850.7	847.1
15°	1367.8	1186.6	1006.6	934.6	913.1	883.1	875.9	857.9	839.9	833.9	841.1
17.5°	1455.4	1237.0	1017.4	943.0	908.3	874.7	866.3	843.5	837.5	819.5	805.1
20°	1559.7	1297.0	1031.8	950.2	890.3	856.7	835.1	812.3	791.9	781.1	785.9
22.5°	1629.3	1328.2	1039.0	935.8	863.9	832.7	787.1	771.5	742.7	730.7	721.1
25°	1743.3	1366.6	1021.0	896.3	817.1	766.7	725.9	704.3	683.9	668.3	663.5
27.5°	1772.1	1395.4	979.0	829.1	742.7	689.9	655.1	628.7	615.5	591.5	586.7
30°	1856.1	1366.6	916.7	747.5	671.9	617.9	583.1	563.9	532.7	526.7	513.5
32.5°	1910.1	1375.0	837.5	668.3	590.3	542.3	519.5	500.3	491.9	463.1	455.9
35°	2000.1	1346.2	757.1	595.1	523.1	485.9	466.7	460.7	433.1	419.9	407.9
37.5°	2057.7	1329.4	676.7	512.3	449.9	434.3	440.3	415.1	381.5	356.3	347.9
40°	2158.4	1323.4	585.5	443.9	399.5	395.9	415.1	367.1	306.0	284.4	272.4
42.5°	2303.6	1282.6	514.7	382.7	359.9	375.5	379.1	306.0	271.2	253.2	244.8
45°	2442.8	1291.0	445.1	316.7	313.1	335.9	327.5	259.2	238.8	225.6	232.8
47.5°	2710.4	1333.0	376.7	264.0	282.0	303.6	254.4	231.6	212.4	202.8	204.0
50°	3124.3	1373.8	316.7	241.2	266.4	274.8	218.4	210.0	208.8	189.6	188.4
52.5°	3372.6	1358.2	306.0	270.0	285.6	274.8	237.6	231.6	222.0	213.6	204.0
55°	3767.4	1403.8	328.7	315.5	323.9	264.0	266.4	264.0	256.8	235.2	241.2
57.5°	4081.7	1433.8	358.7	352.7	347.9	274.8	278.4	279.6	274.8	265.2	273.6
60°	4513.7	1493.8	389.9	391.1	392.3	298.8	304.8	311.9	310.7	307.1	309.5
62.5°	4778.8	1466.2	424.7	443.9	437.9	347.9	346.7	351.5	351.5	357.5	361.1
65°	4739.2	1364.2	442.7	490.7	459.5	383.9	383.9	386.3	387.5	399.5	400.7
67°	4501.7	1181.8	433.1	497.9	459.5	398.3	398.3	400.7	392.3	423.5	413.9
67.5°	4391.3	1127.8	424.7	491.9	455.9	397.1	397.1	398.3	391.1	421.1	411.5
70°	3819.0	837.5	365.9	435.5	422.3	386.3	386.3	379.1	373.1	412.7	404.3
72.5°	3259.9	608.3	294.0	370.7	381.5	371.9	374.3	356.3	339.5	367.1	359.9
75°	2496.8	447.5	229.2	285.6	322.7	347.9	363.5	317.9	296.4	303.6	290.4
77.5°	1393.0	291.6	181.2	211.2	246.0	323.9	349.1	286.8	242.4	234.0	234.0
80°	472.7	170.4	133.2	157.2	169.2	286.8	326.3	232.8	190.8	182.4	176.4
82.5°	178.8	104.4	91.2	108.0	108.0	226.8	266.4	178.8	144.0	186.0	189.6
85°	81.6	62.4	60.0	62.4	62.4	139.2	188.4	116.4	129.6	111.6	98.4
87.5°	32.4	30.0	27.6	26.4	21.6	24.0	64.8	31.2	58.8	15.6	14.4
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)