

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: P413804

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T2U**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413804  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-730-U-T2U  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9234 lumens  
Efficiency: N/A  
Efficacy: 96.2 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G2

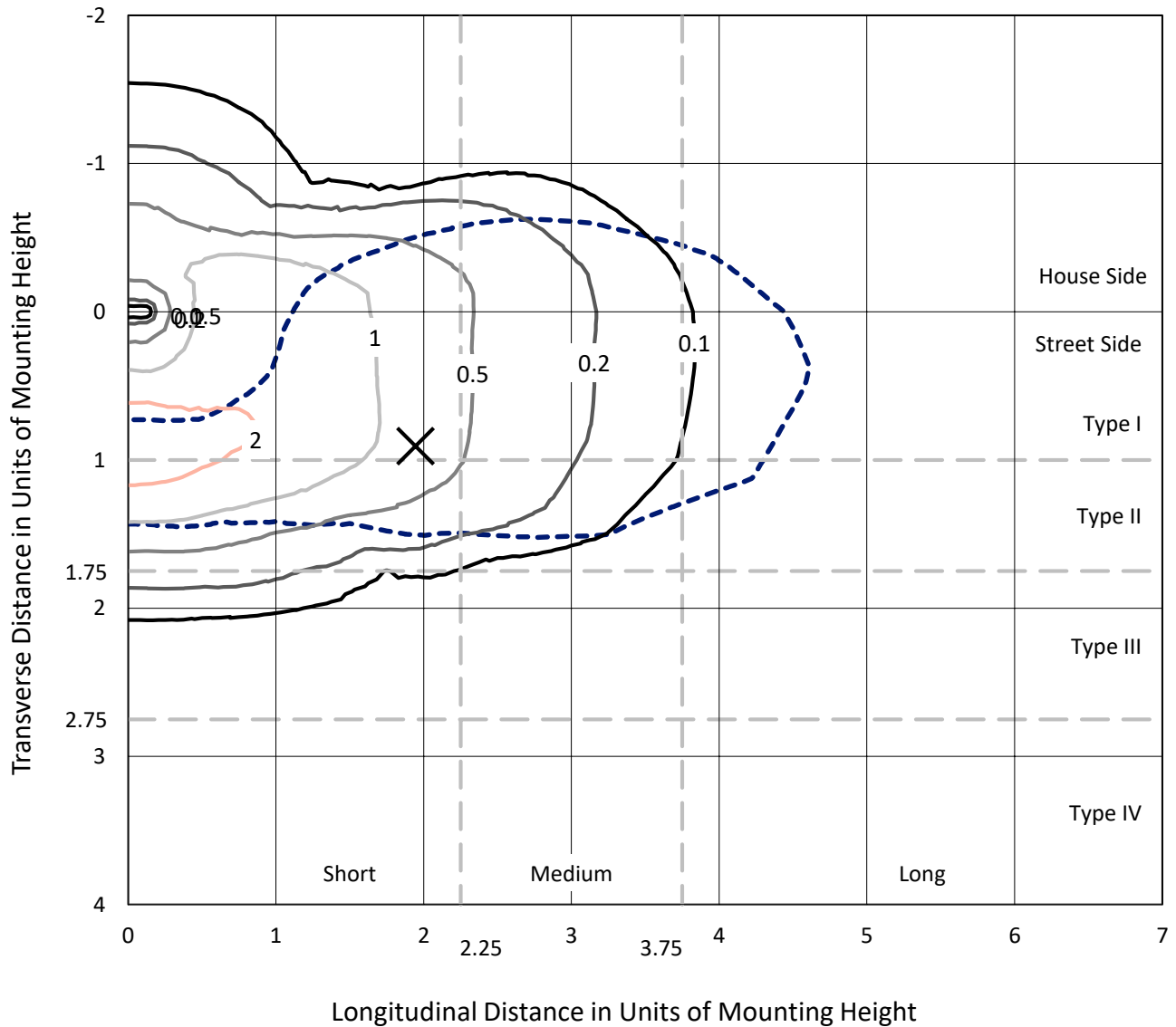
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

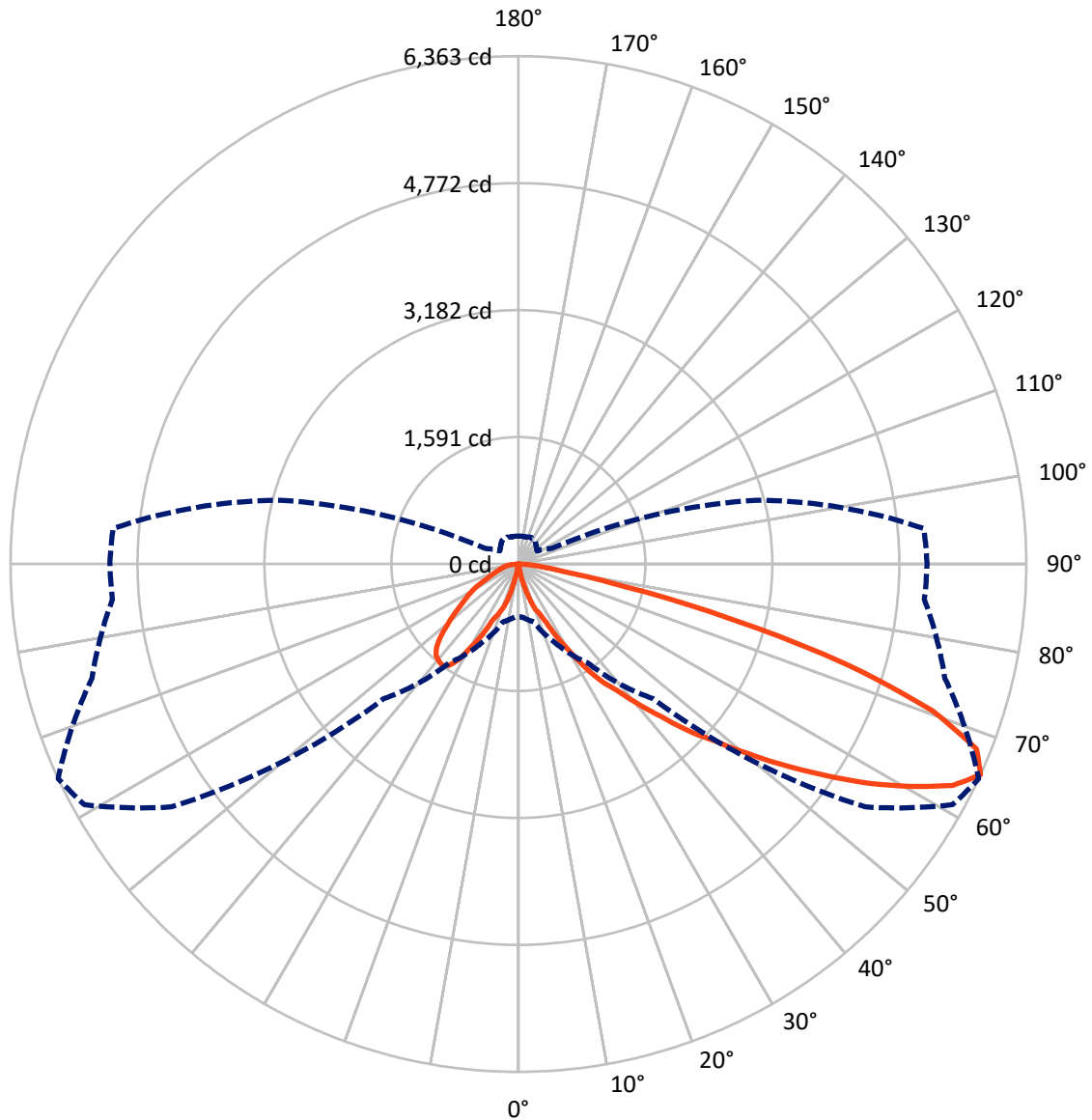
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical



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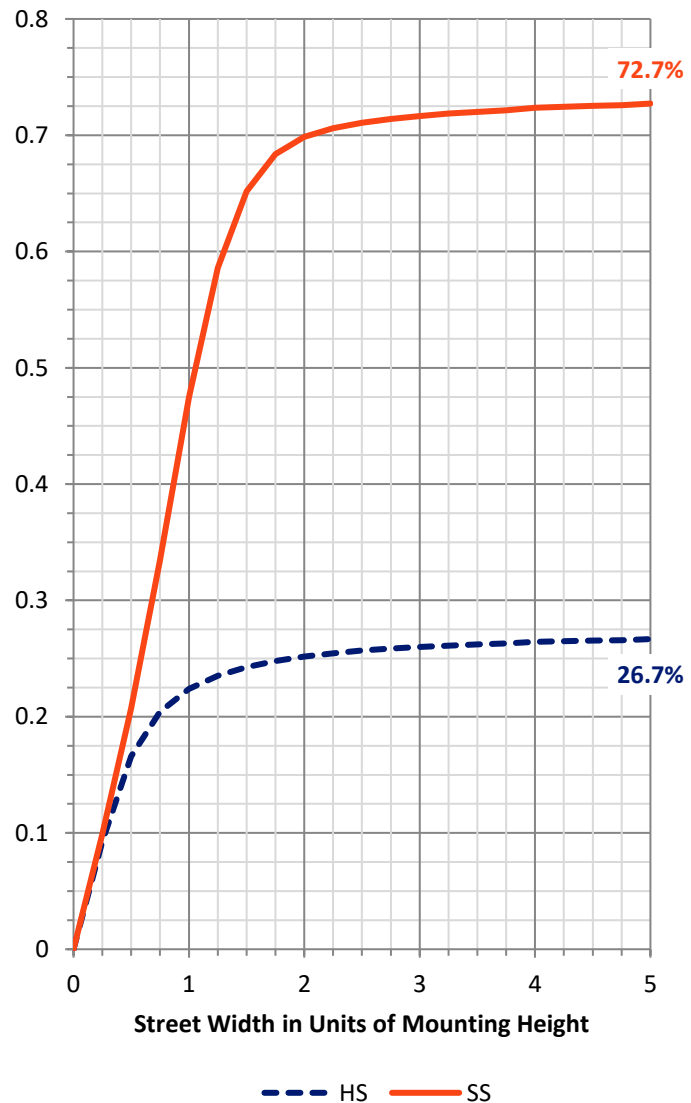
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2491.6	0.0	2491.6
	% Fixture	27.0	0.0	27.0
<b>Street Side</b>	Lumens	6742.4	0.0	6742.4
	% Fixture	73.0	0.0	73.0
<b>Total</b>	Lumens	9234.0	0.0	9234.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	6.7	0.1
10°-20°	102.0	1.1
20°-30°	392.7	4.3
30°-40°	982.9	10.6
40°-50°	1830.1	19.8
50°-60°	2396.4	26.0
60°-70°	2148.3	23.3
70°-80°	1181.7	12.8
80°-90°	193.1	2.1
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°	9234.0	100.0
0°-180°	9234.0	100.0



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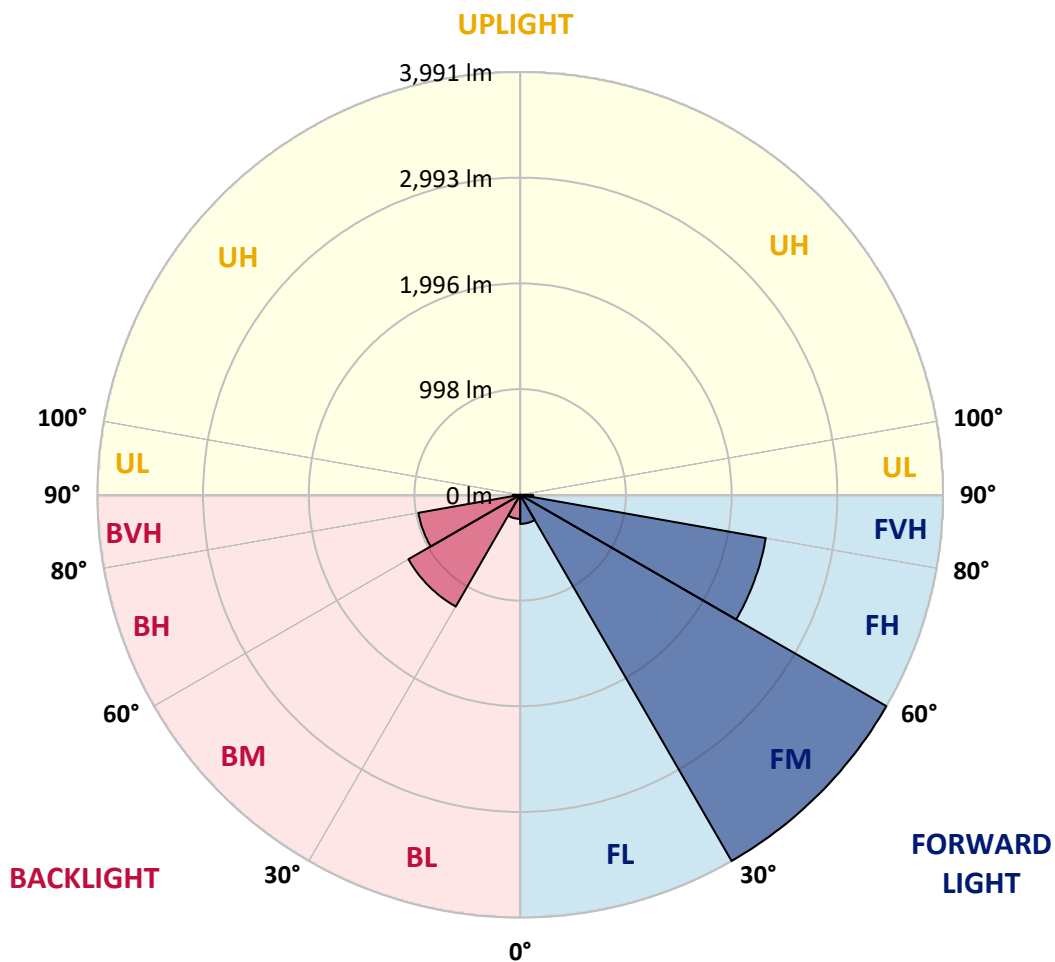
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	274.5	3.0			
FM	(30°-60°)	3991.1	43.2			
FH	(60°-80°)	2354.3	25.5			G2/5000
FVH	(80°-90°)	122.5	1.3			G2/225
BL	(0°-30°)	227.0	2.5	B1/500		
BM	(30°-60°)	1218.3	13.2	B2/2500		
BH	(60°-80°)	975.7	10.6	B2/1000		G2/1000
BVH	(80°-90°)	70.6	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	5.0	5.0	6.0	7.0	7.0	6.0	5.0	4.0	3.0	2.0	2.0
5°	45.7	40.8	31.8	21.9	12.9	9.9	8.0	6.0	5.0	3.0	2.0
7.5°	223.7	222.7	221.7	222.7	217.7	85.5	15.9	9.9	8.0	4.0	3.0
10°	224.7	223.7	222.7	224.7	224.7	221.7	210.8	30.8	15.9	9.9	9.9
12.5°	399.7	385.8	266.5	234.6	226.7	226.7	226.7	202.8	192.9	142.2	172.0
15°	419.6	416.6	415.6	417.6	369.9	244.6	342.0	322.1	326.1	278.4	330.1
17.5°	441.5	436.5	432.5	433.5	416.6	480.2	449.4	459.4	463.3	352.0	385.8
20°	684.1	684.1	632.4	479.2	526.0	602.5	497.1	545.9	604.5	526.0	539.9
22.5°	776.5	769.6	762.6	722.8	661.2	657.2	722.8	633.4	672.1	772.6	713.9
25°	1055.9	1057.9	886.9	834.2	923.7	805.4	863.0	858.1	812.3	936.6	904.8
27.5°	1336.3	1340.3	1321.4	1176.2	1055.9	1036.0	982.3	1058.9	1047.0	1039.0	1113.6
30°	1597.8	1596.8	1511.3	1450.6	1386.0	1270.7	1211.0	1226.9	1274.7	1230.9	1389.0
32.5°	2223.2	2206.3	2114.8	1730.0	1630.6	1522.2	1505.3	1460.6	1556.0	1525.2	1671.4
35°	2639.8	2635.8	2469.8	2253.0	1938.8	1818.5	1820.5	1737.0	1815.5	1855.3	1878.2
37.5°	3570.4	3556.5	3304.0	2668.6	2421.1	2173.5	2127.7	2088.0	2006.4	2121.8	2120.8
40°	4071.5	4031.8	3809.1	3390.5	2842.6	2544.3	2448.9	2363.4	2304.7	2372.3	2363.4
42.5°	4461.3	4430.5	4273.4	3839.9	3392.5	3160.8	2804.8	2723.3	2605.0	2685.5	2643.8
45°	4740.7	4724.8	4584.6	4262.4	3919.4	3749.4	3206.5	3079.3	2976.9	2965.9	2941.1
47.5°	4794.4	4760.6	4718.8	4537.9	4391.7	4341.0	3703.7	3483.9	3314.9	3283.1	3241.3
50°	4540.8	4530.9	4585.6	4552.8	4730.8	4849.1	4277.4	3973.1	3736.5	3624.1	3543.6
52.5°	3953.2	3974.1	4183.9	4330.1	4773.5	5203.0	4816.3	4522.0	4198.8	3951.2	3842.9
55°	3140.9	3216.5	3527.7	3831.9	4506.0	5356.1	5327.3	5095.6	4679.0	4317.1	4157.1
57.5°	2412.1	2404.2	2804.8	3081.3	3963.2	5253.7	5659.4	5593.8	5184.1	4696.9	4457.3
60°	1563.0	1556.0	2029.3	2383.3	3054.4	4728.8	5831.4	6003.4	5658.4	5025.1	4727.8
62.5°	1020.1	1062.9	1242.8	1745.9	2181.4	3656.9	5773.7	6258.0	6109.8	5329.3	4987.3
65°	656.2	672.1	750.7	1087.7	1512.3	2385.3	5306.4	6220.2	6363.3	5532.1	5105.6
67.5°	489.2	493.2	530.9	676.1	1029.1	1246.8	4165.0	5695.2	6191.3	5546.1	5066.8
70°	429.5	437.5	474.3	510.1	765.6	784.5	2435.0	4578.6	5501.3	5346.2	4870.9
72.5°	366.9	374.8	423.6	475.3	585.6	588.6	910.8	3042.5	4307.2	4940.5	4556.8
75°	299.3	304.2	347.0	416.6	488.2	472.3	527.0	1375.1	2757.1	4106.3	4064.6
77.5°	241.6	245.6	276.4	332.1	432.5	361.9	392.7	589.6	1370.1	2964.9	3293.0
80°	175.0	177.0	206.8	254.5	325.1	323.1	293.3	373.8	565.7	1732.0	2180.4
82.5°	111.4	111.4	142.2	167.0	215.8	319.2	205.8	251.6	316.2	862.0	1049.0
85°	62.6	64.6	89.5	97.4	126.3	193.9	148.1	139.2	171.0	312.2	258.5
87.5°	11.9	14.9	25.9	27.8	32.8	45.7	53.7	48.7	50.7	72.6	42.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	2.0	3.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.0	3.0
5°	2.0	3.0	4.0	4.0	5.0	7.0	8.0	8.0	8.9	9.9	8.9
7.5°	2.0	3.0	4.0	6.0	8.0	15.9	57.7	203.8	218.7	221.7	225.7
10°	8.9	8.9	9.9	10.9	44.7	213.8	229.7	231.7	233.7	234.6	235.6
12.5°	175.0	173.0	172.0	132.2	203.8	235.6	238.6	240.6	243.6	290.3	314.2
15°	334.1	335.1	318.2	305.2	355.0	258.5	275.4	425.5	440.5	445.4	448.4
17.5°	382.8	399.7	355.0	471.3	467.3	393.7	433.5	456.4	458.4	461.3	462.3
20°	543.9	539.9	517.0	590.6	506.1	647.3	536.9	462.3	581.6	640.3	641.3
22.5°	705.9	706.9	674.1	682.1	727.8	666.2	537.9	610.5	625.4	624.4	621.4
25°	909.8	901.8	885.9	758.6	859.1	724.8	715.9	591.6	593.6	641.3	672.1
27.5°	1112.6	1092.7	1030.1	983.3	891.9	806.4	676.1	640.3	690.0	687.0	688.0
30°	1393.0	1362.2	1189.2	1183.2	946.5	798.4	688.0	637.3	620.4	624.4	622.4
32.5°	1673.4	1617.7	1461.6	1410.9	1009.2	743.7	631.4	588.6	637.3	644.3	640.3
35°	1846.4	1800.6	1746.9	1545.1	1016.1	685.1	571.7	581.6	578.7	575.7	577.7
37.5°	2048.2	1973.6	1926.9	1590.8	958.5	611.5	544.9	536.9	584.6	585.6	581.6
40°	2273.9	2189.4	2085.0	1570.0	827.2	553.8	506.1	531.9	534.9	523.0	520.0
42.5°	2528.4	2405.1	2250.0	1542.1	686.0	520.0	491.2	494.2	496.1	483.2	478.2
45°	2785.0	2640.8	2391.2	1464.6	583.6	486.2	468.3	467.3	457.4	445.4	442.5
47.5°	3072.3	2903.3	2507.6	1329.3	511.1	460.3	453.4	434.5	437.5	426.5	425.5
50°	3368.6	3186.6	2574.2	1167.3	463.3	438.5	426.5	420.6	428.5	415.6	413.6
52.5°	3658.9	3506.8	2679.6	1022.1	422.6	419.6	414.6	416.6	419.6	405.7	404.7
55°	3974.1	3864.7	2776.0	883.9	386.8	393.7	410.6	409.6	408.6	395.7	395.7
57.5°	4263.4	4209.8	2874.4	777.5	358.9	370.9	401.7	401.7	396.7	385.8	384.8
60°	4599.5	4559.7	2967.9	682.1	335.1	350.0	390.7	391.7	382.8	374.8	372.9
62.5°	4904.7	4874.9	3042.5	581.6	309.2	332.1	374.8	381.8	368.9	362.9	362.9
65°	5119.5	5098.6	3083.2	457.4	284.4	314.2	357.9	367.9	351.0	350.0	350.0
67.5°	5138.4	5125.5	2998.7	381.8	266.5	297.3	337.1	347.0	332.1	335.1	329.1
70°	4962.4	4868.0	2759.1	318.2	248.6	275.4	312.2	324.1	309.2	310.2	300.3
72.5°	4590.6	4318.1	2335.5	270.4	228.7	251.6	285.4	296.3	282.4	279.4	268.5
75°	3965.2	3544.6	1625.6	234.6	207.8	225.7	252.5	263.5	254.5	239.6	236.6
77.5°	3071.3	2598.0	996.3	202.8	188.9	198.9	218.7	224.7	215.8	197.9	194.9
80°	1935.8	1558.0	480.2	176.0	164.1	169.0	182.0	186.9	180.0	162.1	152.1
82.5°	886.9	673.1	253.5	142.2	133.2	133.2	146.2	142.2	136.2	119.3	96.4
85°	206.8	212.8	117.3	87.5	84.5	75.6	87.5	86.5	77.6	59.7	49.7
87.5°	33.8	37.8	29.8	26.8	21.9	16.9	18.9	15.9	13.9	7.0	3.0
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)