

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: P416526

Luminaire Tested: **LXF.LXT-PA1-70-827-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416526
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-827-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6202 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

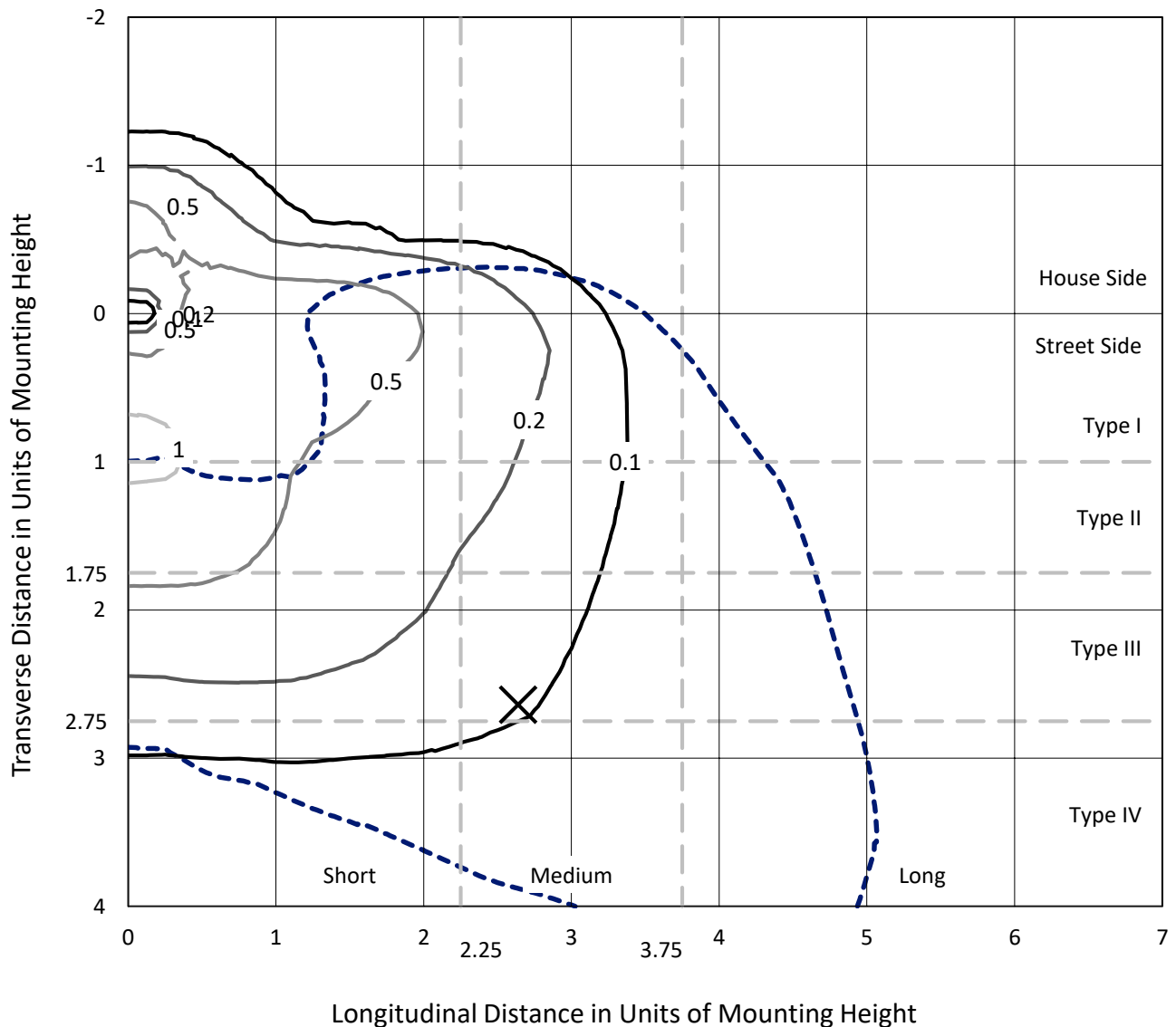
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

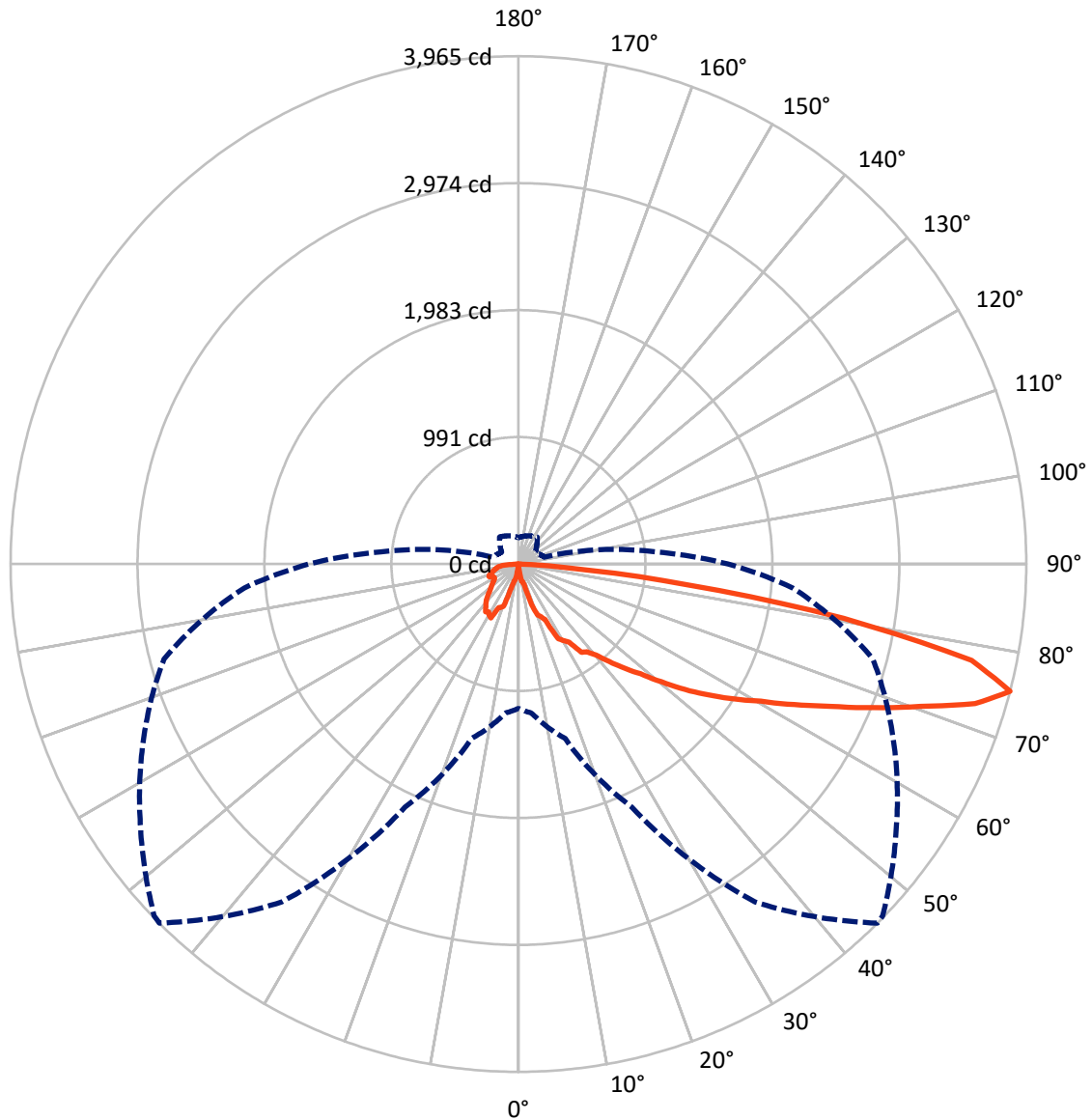
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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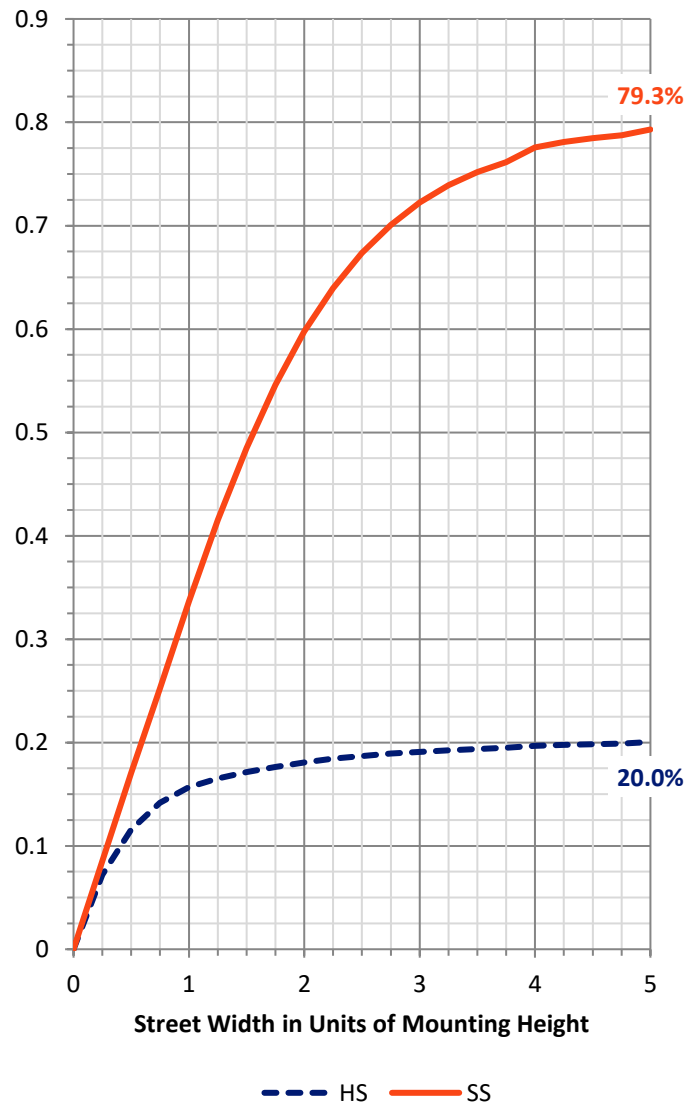
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1272.0	0.0	1272.0
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	4930.0	0.0	4930.0
	% Fixture	79.5	0.0	79.5
Total	Lumens	6202.0	0.0	6202.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.1	0.1
10°-20°	64.0	1.0
20°-30°	238.3	3.8
30°-40°	491.0	7.9
40°-50°	778.5	12.6
50°-60°	1230.7	19.8
60°-70°	1729.0	27.9
70°-80°	1439.4	23.2
80°-90°	227.0	3.7
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°	6202.0	100.0
0°-180°	6202.0	100.0

Coefficient of Utilization



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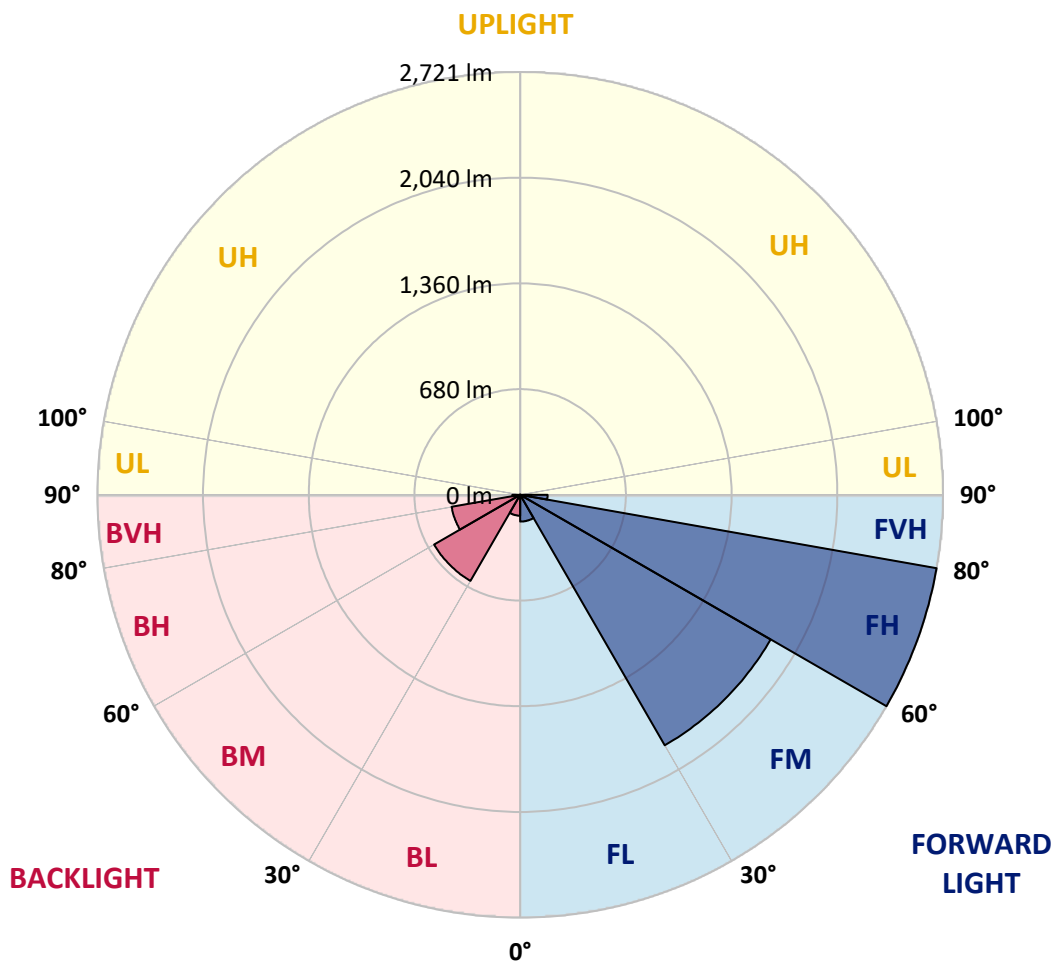
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	172.2	2.8			
FM	(30°-60°)	1860.9	30.0			
FH	(60°-80°)	2720.6	43.9			G2/5000
FVH	(80°-90°)	176.2	2.8			G2/225
BL	(0°-30°)	134.2	2.2	B1/500		
BM	(30°-60°)	639.3	10.3	B1/1000		
BH	(60°-80°)	447.8	7.2	B1/500		G1/500
BVH	(80°-90°)	50.7	0.8			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	3.4	3.4	3.4	3.4	3.4	2.7	2.7	2.0	2.7	2.7	2.7
5°	47.8	45.1	35.6	31.6	26.2	10.8	8.7	4.0	3.4	3.4	2.7
7.5°	141.9	140.6	138.6	133.9	127.8	80.0	69.3	24.9	4.7	3.4	2.7
10°	156.7	154.0	150.7	146.0	140.6	133.9	133.2	122.4	22.2	7.4	6.1
12.5°	308.1	302.7	252.9	183.0	151.3	143.3	143.3	138.6	100.2	35.0	82.1
15°	330.9	328.2	318.8	306.7	288.6	166.1	162.8	216.6	267.0	187.0	198.4
17.5°	372.0	365.9	337.0	322.2	308.7	335.0	333.0	310.1	292.6	207.2	222.6
20°	518.6	515.2	503.1	360.5	332.3	423.8	425.1	351.8	318.2	366.6	363.9
22.5°	530.7	530.0	521.3	499.8	526.7	444.6	445.3	467.5	464.8	486.3	441.2
25°	694.2	692.1	561.6	515.2	575.1	478.9	500.4	579.8	517.9	527.3	550.9
27.5°	712.3	711.0	703.6	671.3	595.3	659.8	659.8	599.3	659.8	690.8	694.8
30°	809.8	784.3	732.5	717.0	693.5	692.8	694.8	694.2	763.4	723.1	763.4
32.5°	952.4	947.1	928.2	777.6	770.8	726.4	749.3	801.8	797.1	919.5	971.9
35°	1158.3	1084.9	1018.4	897.3	800.4	846.2	849.5	831.4	928.2	967.2	1041.2
37.5°	1445.5	1425.3	1331.1	1010.3	891.9	869.7	871.7	930.9	986.7	1029.8	1112.5
40°	1654.7	1643.9	1578.7	1237.0	978.0	933.6	938.3	976.7	1028.4	1105.1	1191.2
42.5°	1855.1	1855.1	1816.8	1430.7	1163.0	1042.6	1039.2	1047.3	1084.3	1165.0	1307.6
45°	1985.6	1978.2	2010.5	1613.0	1300.9	1159.6	1146.8	1144.8	1158.3	1253.8	1463.6
47.5°	2116.8	2096.6	2127.5	1797.3	1481.1	1280.7	1282.0	1257.1	1275.3	1421.9	1676.9
50°	2255.3	2259.4	2255.3	1952.6	1658.0	1445.5	1434.0	1402.4	1438.7	1619.0	1915.6
52.5°	2453.1	2438.9	2399.3	2150.4	1884.0	1628.4	1610.3	1564.5	1650.0	1851.1	2214.3
55°	2597.0	2583.6	2572.8	2362.3	2057.6	1805.3	1794.6	1744.1	1904.2	2085.1	2522.3
57.5°	2753.7	2737.6	2768.5	2651.5	2330.0	1990.3	1976.2	1945.2	2165.2	2352.2	2835.8
60°	2859.3	2860.0	2944.8	2860.0	2557.3	2175.3	2161.8	2184.7	2404.0	2597.0	3174.1
62.5°	2859.3	2881.5	3067.8	3088.0	2800.8	2416.7	2393.2	2406.0	2663.6	2854.0	3451.9
65°	2588.3	2615.8	3050.4	3153.9	3045.0	2677.7	2666.3	2658.2	2909.1	3057.1	3669.8
67.5°	2311.8	2346.1	2785.3	3157.3	3244.7	2994.5	2952.8	2884.9	3121.0	3208.4	3786.9
70°	2120.1	2148.4	2497.5	3049.0	3373.9	3326.8	3299.2	3120.3	3262.9	3304.6	3655.1
72.5°	1808.7	1811.4	2122.1	2820.3	3460.7	3728.4	3663.8	3381.3	3343.0	3242.1	3099.5
75°	1127.3	1168.4	1410.5	2093.2	3221.2	3965.1	3953.0	3600.6	3228.6	2864.7	2149.0
77.5°	419.7	443.9	589.9	1074.9	2305.1	3616.7	3627.5	3362.5	2730.9	2075.7	1154.2
80°	136.5	146.6	195.1	346.4	1023.7	2574.1	2658.2	2385.1	1674.8	1054.7	486.3
82.5°	76.0	73.3	113.0	179.6	437.2	1333.8	1389.0	1146.8	789.7	441.2	181.6
85°	35.0	36.3	53.8	97.5	233.4	372.0	401.6	392.1	299.3	181.6	66.6
87.5°	7.4	8.7	12.1	22.9	36.3	31.6	22.9	40.4	58.5	43.0	11.4
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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	2.7	2.7	2.0	2.0	1.3	1.3	0.7	0.7	1.3	1.3	1.3
5°	2.7	2.7	2.0	2.0	2.0	2.0	2.7	4.7	5.4	6.1	5.4
7.5°	2.7	2.7	2.7	2.7	3.4	6.7	31.6	96.9	102.9	104.9	107.6
10°	6.1	5.4	5.4	6.1	20.9	101.6	122.4	129.1	132.5	134.5	133.9
12.5°	93.5	92.8	34.3	20.9	97.5	128.5	131.8	135.9	142.6	149.3	146.6
15°	197.8	197.1	181.6	188.3	189.7	139.9	142.6	233.4	248.9	259.0	262.3
17.5°	215.2	217.3	211.2	260.3	266.4	211.9	237.4	260.3	265.7	269.1	269.7
20°	399.5	359.2	307.4	291.2	283.8	349.8	265.0	267.7	345.7	370.6	373.3
22.5°	439.2	435.9	407.6	419.7	354.5	364.6	343.0	361.9	396.8	404.2	404.2
25°	567.0	561.0	465.5	437.2	450.0	374.7	433.2	394.2	406.9	420.4	421.7
27.5°	696.8	689.4	621.5	491.7	446.0	472.9	439.9	475.5	514.6	533.4	534.1
30°	757.4	747.3	648.4	554.2	464.1	462.8	462.1	526.0	522.6	534.7	538.1
32.5°	1006.2	990.1	828.7	544.8	481.6	439.9	490.3	511.9	588.5	626.2	630.3
35°	1066.8	1046.6	832.7	602.7	454.7	453.4	454.7	525.3	567.0	593.9	600.0
37.5°	1136.1	1108.5	823.3	565.0	465.5	422.4	432.5	474.2	565.0	625.5	630.3
40°	1222.2	1179.8	820.6	527.3	433.8	399.5	397.5	453.4	493.7	530.7	534.1
42.5°	1341.2	1273.3	816.6	488.3	396.8	372.0	375.3	399.5	431.8	428.5	433.8
45°	1499.3	1389.6	809.8	454.0	359.2	337.7	335.6	353.1	367.9	346.4	340.3
47.5°	1697.0	1533.6	820.6	421.1	324.2	304.0	304.7	312.1	314.8	291.2	285.9
50°	1921.7	1696.4	832.0	384.7	296.0	280.5	277.1	279.8	275.8	252.9	250.9
52.5°	2189.4	1887.4	838.1	350.4	273.1	261.0	256.9	254.9	248.9	233.4	231.4
55°	2499.5	2116.8	850.9	322.9	254.3	242.8	240.8	238.1	236.1	227.3	226.0
57.5°	2817.0	2369.7	843.5	294.6	236.1	226.0	230.0	234.7	240.1	236.8	236.1
60°	3108.2	2571.5	752.0	269.7	218.6	215.9	233.4	255.6	259.6	263.0	262.3
62.5°	3326.1	2673.0	596.6	248.2	206.5	216.6	259.0	289.9	285.9	277.1	275.1
65°	3402.8	2644.8	459.4	232.1	200.4	234.7	285.9	302.0	279.1	263.0	259.6
67.5°	3351.7	2505.5	355.8	218.6	197.1	250.2	295.3	290.6	264.3	252.2	247.5
70°	3090.0	2215.6	282.5	207.2	193.7	240.8	290.6	277.1	252.2	241.5	234.1
72.5°	2528.4	1752.2	242.1	194.4	179.6	221.3	275.8	259.0	241.5	227.3	220.6
75°	1635.2	1077.5	210.5	179.6	160.8	200.4	256.9	241.5	226.7	212.5	205.8
77.5°	787.0	489.7	184.3	161.4	143.3	185.0	241.5	223.3	208.5	194.4	186.3
80°	331.6	231.4	157.4	143.3	130.5	173.5	224.7	203.8	187.0	176.9	168.2
82.5°	161.4	127.8	119.7	116.4	113.7	158.1	206.5	180.9	163.4	154.0	134.5
85°	54.5	55.2	74.0	72.0	80.0	126.5	168.8	137.2	122.4	106.3	99.5
87.5°	5.4	7.4	10.1	12.8	26.2	35.0	57.8	47.1	37.0	14.1	9.4
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)