

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: P415486

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415486
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-PA1-50-730-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5929 lumens
Efficiency: N/A
Efficacy: 109.8 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): 54
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

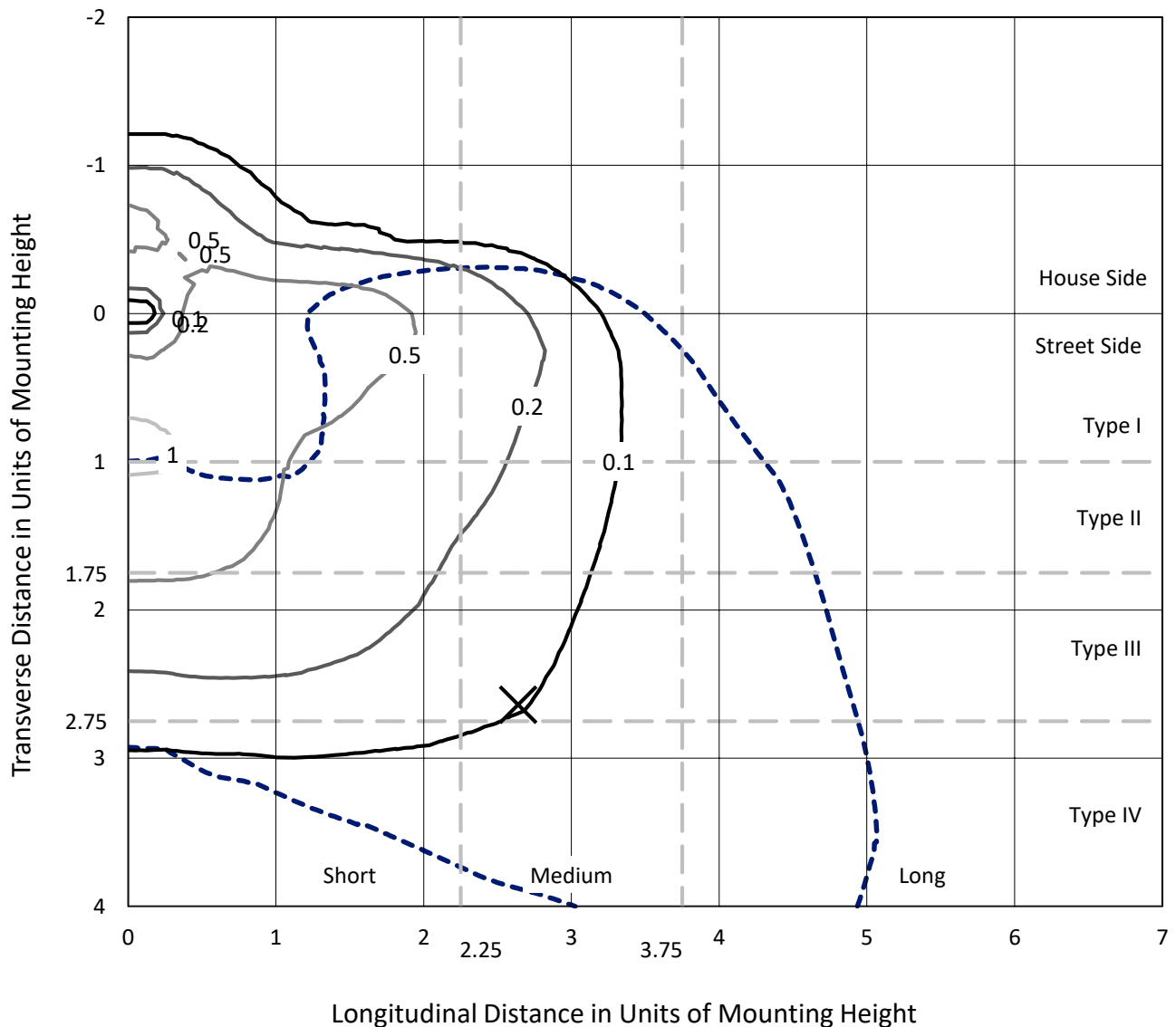


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Iso-Footcandle Lines of Horizontal Illumination

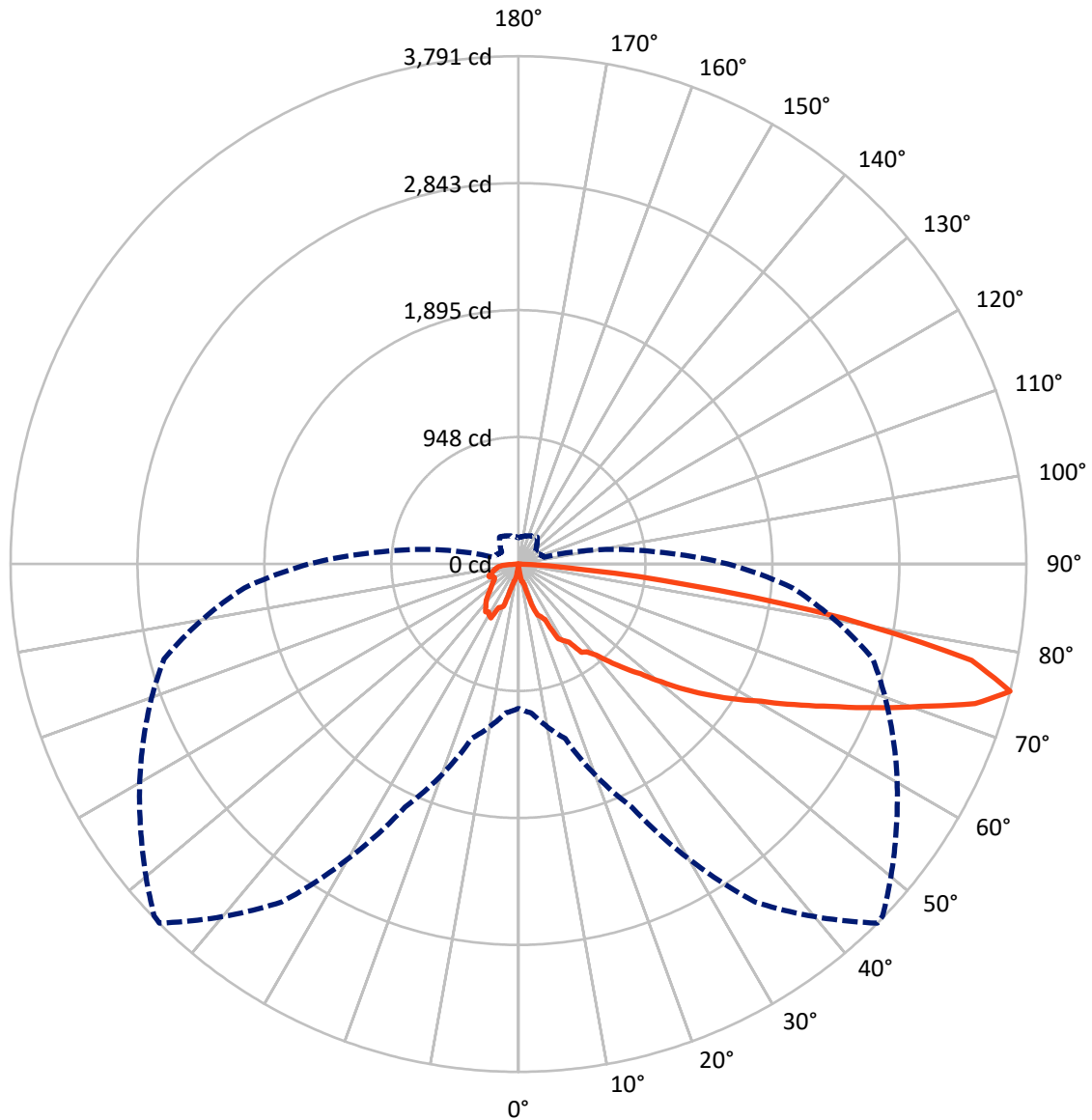
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 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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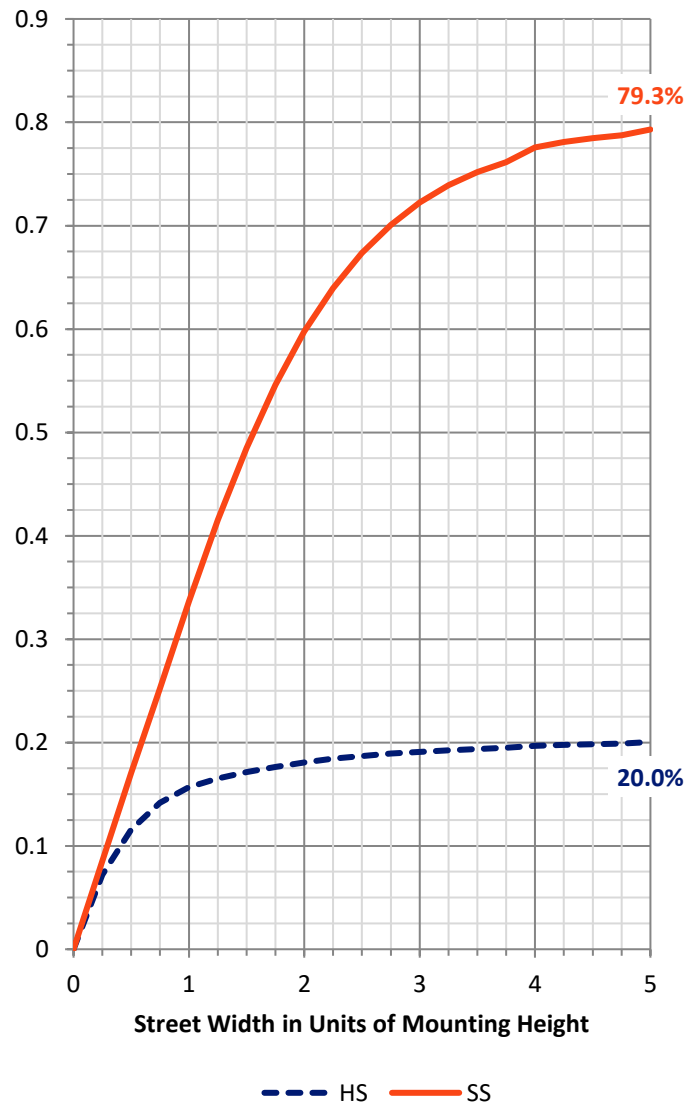
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1216.0	0.0	1216.0
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	4713.0	0.0	4713.0
	% Fixture	79.5	0.0	79.5
Total	Lumens	5929.0	0.0	5929.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.9	0.1
10°-20°	61.2	1.0
20°-30°	227.8	3.8
30°-40°	469.4	7.9
40°-50°	744.2	12.6
50°-60°	1176.5	19.8
60°-70°	1652.9	27.9
70°-80°	1376.0	23.2
80°-90°	217.0	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°	5929.0	100.0
0°-180°	5929.0	100.0

Coefficient of Utilization



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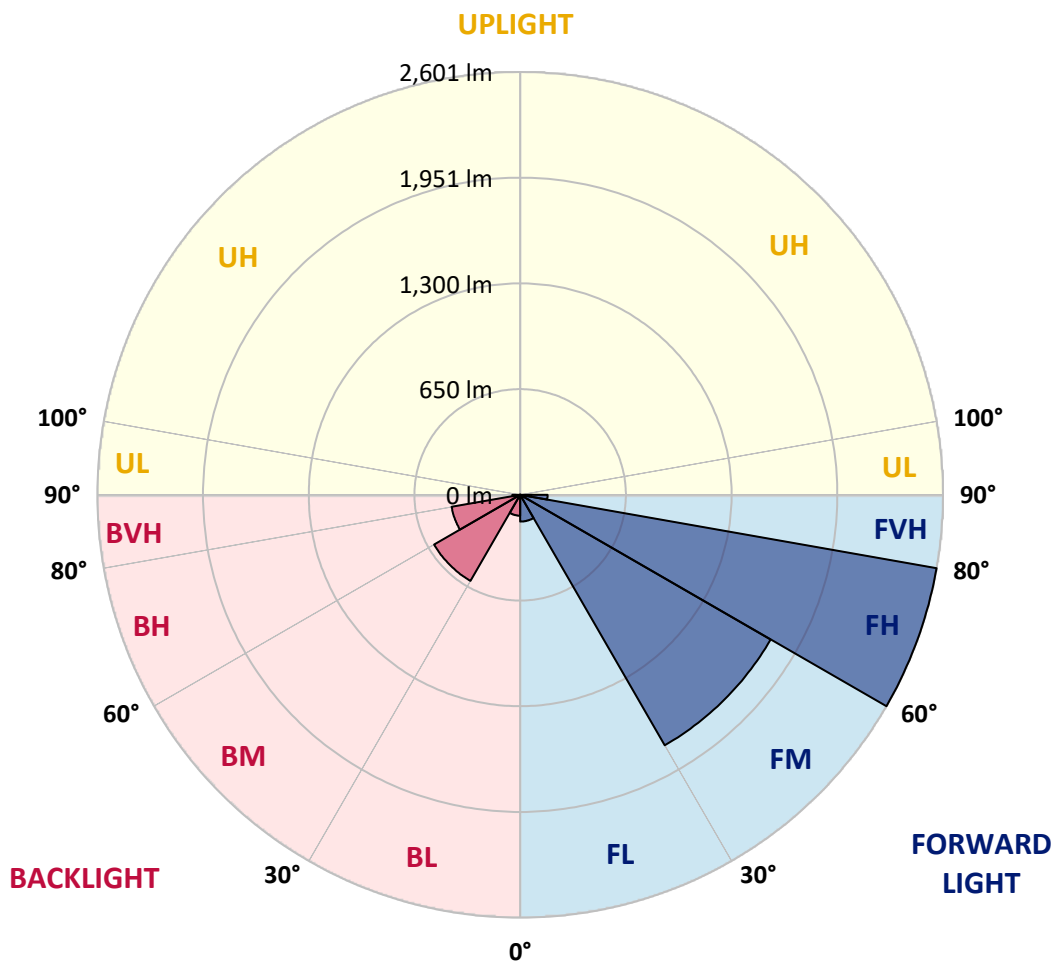
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	164.6	2.8			
FM	(30°-60°)	1779.0	30.0			
FH	(60°-80°)	2600.9	43.9			G2/5000
FVH	(80°-90°)	168.5	2.8			G2/225
BL	(0°-30°)	128.3	2.2	B1/500		
BM	(30°-60°)	611.2	10.3	B1/1000		
BH	(60°-80°)	428.1	7.2	B1/500		G1/500
BVH	(80°-90°)	48.5	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°	3.2	3.2	3.2	3.2	3.2	2.6	2.6	1.9	2.6	2.6	2.6
5°	45.7	43.1	34.1	30.2	25.1	10.3	8.4	3.9	3.2	3.2	2.6
7.5°	135.7	134.4	132.5	128.0	122.2	76.5	66.2	23.8	4.5	3.2	2.6
10°	149.8	147.3	144.0	139.5	134.4	128.0	127.3	117.0	21.2	7.1	5.8
12.5°	294.5	289.4	241.8	174.9	144.7	137.0	137.0	132.5	95.8	33.4	78.4
15°	316.4	313.8	304.8	293.2	275.9	158.8	155.6	207.1	255.3	178.8	189.7
17.5°	355.6	349.8	322.2	308.0	295.1	320.2	318.3	296.4	279.7	198.0	212.8
20°	495.8	492.6	481.0	344.7	317.7	405.1	406.4	336.3	304.1	350.4	347.9
22.5°	507.3	506.7	498.3	477.8	503.5	425.0	425.7	446.9	444.3	464.9	421.8
25°	663.6	661.7	536.9	492.6	549.8	457.8	478.4	554.3	495.1	504.1	526.6
27.5°	681.0	679.7	672.6	641.7	569.1	630.8	630.8	572.9	630.8	660.4	664.2
30°	774.2	749.8	700.2	685.5	663.0	662.3	664.2	663.6	729.8	691.2	729.8
32.5°	910.5	905.4	887.4	743.3	736.9	694.5	716.3	766.5	762.0	879.0	929.2
35°	1107.3	1037.2	973.5	857.8	765.2	808.9	812.1	794.8	887.4	924.7	995.4
37.5°	1381.8	1362.6	1272.5	965.8	852.6	831.4	833.4	889.9	943.3	984.5	1063.6
40°	1581.8	1571.5	1509.2	1182.5	934.9	892.5	897.0	933.7	983.2	1056.5	1138.8
42.5°	1773.4	1773.4	1736.8	1367.7	1111.8	996.7	993.5	1001.2	1036.5	1113.7	1250.0
45°	1898.2	1891.1	1922.0	1542.0	1243.6	1108.6	1096.3	1094.4	1107.3	1198.6	1399.2
47.5°	2023.6	2004.3	2033.9	1718.1	1415.9	1224.3	1225.6	1201.8	1219.2	1359.3	1603.0
50°	2156.0	2159.9	2156.0	1866.7	1585.0	1381.8	1370.9	1340.7	1375.4	1547.7	1831.3
52.5°	2345.1	2331.6	2293.6	2055.7	1801.1	1556.7	1539.4	1495.7	1577.3	1769.6	2116.8
55°	2482.7	2469.8	2459.5	2258.3	1967.0	1725.9	1715.6	1667.3	1820.4	1993.4	2411.3
57.5°	2632.5	2617.1	2646.7	2534.8	2227.4	1902.7	1889.2	1859.6	2069.9	2248.6	2711.0
60°	2733.5	2734.1	2815.1	2734.1	2444.8	2079.5	2066.7	2088.5	2298.1	2482.7	3034.4
62.5°	2733.5	2754.7	2932.8	2952.1	2677.5	2310.4	2287.9	2300.1	2546.4	2728.3	3300.0
65°	2474.3	2500.7	2916.1	3015.1	2910.9	2559.9	2548.9	2541.2	2781.1	2922.5	3508.3
67.5°	2210.1	2242.8	2662.7	3018.3	3101.9	2862.7	2822.9	2757.9	2983.6	3067.2	3620.2
70°	2026.8	2053.8	2387.5	2914.8	3225.4	3180.4	3154.0	2983.0	3119.3	3159.2	3494.2
72.5°	1729.1	1731.6	2028.7	2696.2	3308.3	3564.3	3502.5	3232.5	3195.8	3099.3	2963.0
75°	1077.7	1116.9	1348.4	2001.1	3079.4	3790.6	3779.0	3442.1	3086.5	2738.6	2054.4
77.5°	401.2	424.4	563.9	1027.5	2203.6	3457.5	3467.8	3214.5	2610.7	1984.4	1103.4
80°	130.5	140.2	186.5	331.2	978.7	2460.8	2541.2	2280.1	1601.1	1008.3	464.9
82.5°	72.7	70.1	108.0	171.7	418.0	1275.1	1327.8	1096.3	754.9	421.8	173.6
85°	33.4	34.7	51.4	93.2	223.1	355.6	383.9	374.9	286.1	173.6	63.7
87.5°	7.1	8.4	11.6	21.9	34.7	30.2	21.9	38.6	55.9	41.2	10.9
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°	2.6	2.6	1.9	1.9	1.3	1.3	0.6	0.6	1.3	1.3	1.3
5°	2.6	2.6	1.9	1.9	1.9	1.9	2.6	4.5	5.1	5.8	5.1
7.5°	2.6	2.6	2.6	2.6	3.2	6.4	30.2	92.6	98.4	100.3	102.9
10°	5.8	5.1	5.1	5.8	19.9	97.1	117.0	123.5	126.7	128.6	128.0
12.5°	89.4	88.7	32.8	19.9	93.2	122.8	126.0	129.9	136.3	142.8	140.2
15°	189.0	188.4	173.6	180.0	181.3	133.7	136.3	223.1	237.9	247.6	250.8
17.5°	205.8	207.7	201.9	248.8	254.6	202.6	227.0	248.8	254.0	257.2	257.9
20°	382.0	343.4	293.9	278.4	271.4	334.4	253.3	255.9	330.5	354.3	356.9
22.5°	419.9	416.7	389.7	401.2	338.9	348.5	327.9	345.9	379.4	386.5	386.5
25°	542.1	536.3	445.0	418.0	430.2	358.2	414.1	376.8	389.0	401.9	403.2
27.5°	666.2	659.1	594.1	470.0	426.3	452.0	420.5	454.6	491.9	509.9	510.6
30°	724.0	714.4	619.9	529.8	443.7	442.4	441.8	502.8	499.6	511.2	514.4
32.5°	962.0	946.5	792.2	520.8	460.4	420.5	468.8	489.3	562.6	598.7	602.5
35°	1019.8	1000.5	796.1	576.1	434.7	433.4	434.7	502.2	542.1	567.8	573.6
37.5°	1086.1	1059.7	787.1	540.1	445.0	403.8	413.5	453.3	540.1	598.0	602.5
40°	1168.4	1127.9	784.5	504.1	414.7	382.0	380.0	433.4	472.0	507.3	510.6
42.5°	1282.2	1217.2	780.6	466.8	379.4	355.6	358.8	382.0	412.8	409.6	414.7
45°	1433.3	1328.5	774.2	434.0	343.4	322.8	320.9	337.6	351.7	331.2	325.4
47.5°	1622.3	1466.1	784.5	402.5	309.9	290.6	291.3	298.4	300.9	278.4	273.3
50°	1837.1	1621.7	795.4	367.8	282.9	268.1	264.9	267.5	263.6	241.8	239.8
52.5°	2093.0	1804.3	801.2	335.0	261.1	249.5	245.6	243.7	237.9	223.1	221.2
55°	2389.5	2023.6	813.4	308.6	243.1	232.1	230.2	227.6	225.7	217.3	216.1
57.5°	2693.0	2265.4	806.3	281.6	225.7	216.1	219.9	224.4	229.6	226.3	225.7
60°	2971.4	2458.3	718.9	257.9	209.0	206.4	223.1	244.3	248.2	251.4	250.8
62.5°	3179.7	2555.4	570.4	237.3	197.4	207.1	247.6	277.1	273.3	264.9	263.0
65°	3253.0	2528.3	439.2	221.8	191.6	224.4	273.3	288.7	266.9	251.4	248.2
67.5°	3204.2	2395.2	340.2	209.0	188.4	239.2	282.3	277.8	252.7	241.1	236.6
70°	2954.0	2118.1	270.1	198.0	185.2	230.2	277.8	264.9	241.1	230.8	223.8
72.5°	2417.1	1675.1	231.5	185.8	171.7	211.6	263.6	247.6	230.8	217.3	210.9
75°	1563.2	1030.1	201.3	171.7	153.7	191.6	245.6	230.8	216.7	203.2	196.8
77.5°	752.3	468.1	176.2	154.3	137.0	176.8	230.8	213.5	199.3	185.8	178.1
80°	317.0	221.2	150.5	137.0	124.7	165.9	214.8	194.8	178.8	169.1	160.8
82.5°	154.3	122.2	114.5	111.2	108.7	151.1	197.4	173.0	156.3	147.3	128.6
85°	52.1	52.7	70.7	68.8	76.5	120.9	161.4	131.2	117.0	101.6	95.2
87.5°	5.1	7.1	9.6	12.2	25.1	33.4	55.3	45.0	35.4	13.5	9.0
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)