

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: P417254

Luminaire Tested: **LXF.LXT-PA1-90-750-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417254
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-PA1-90-750-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9942 lumens
Efficiency: N/A
Efficacy: 105.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G3

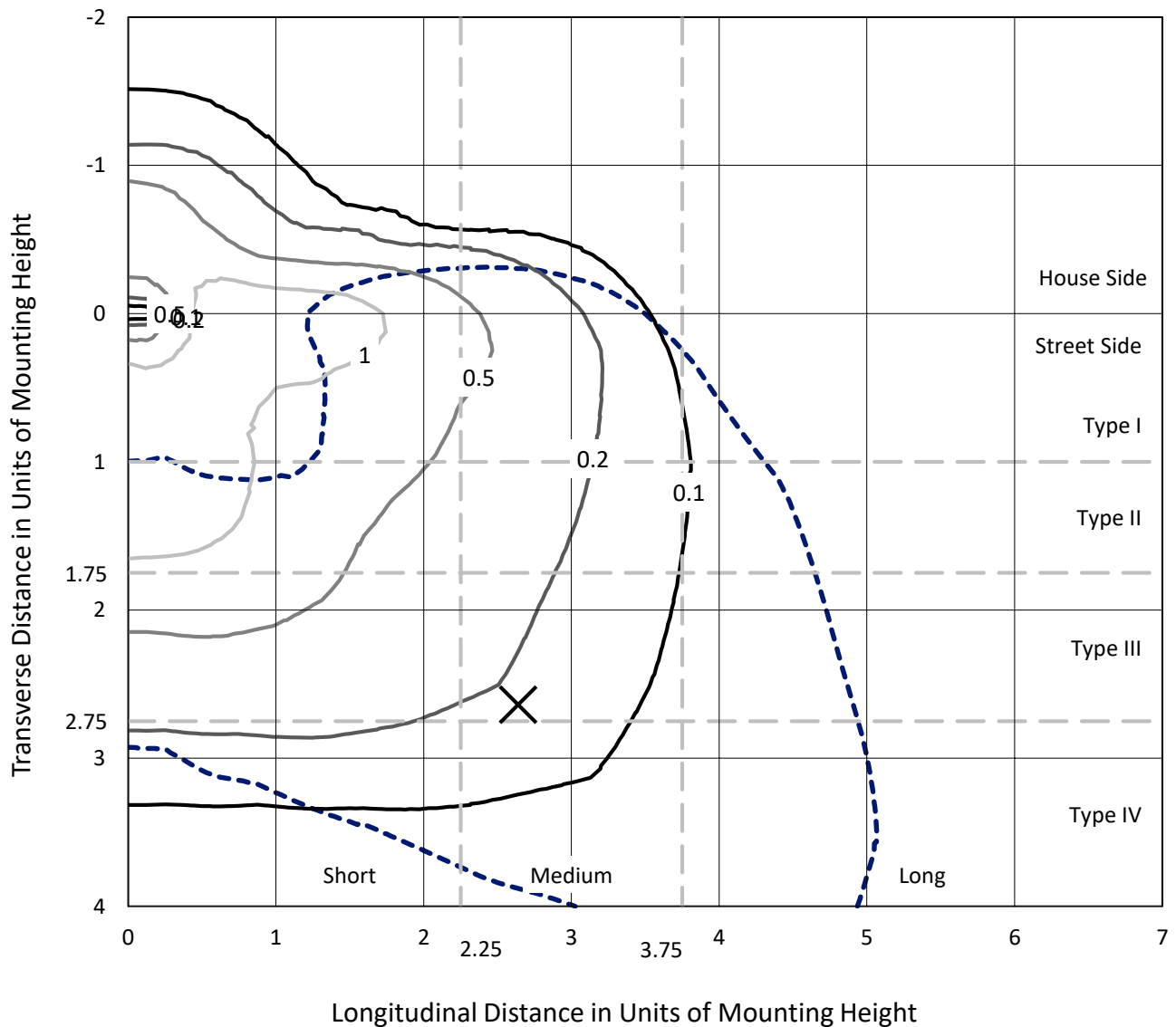
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

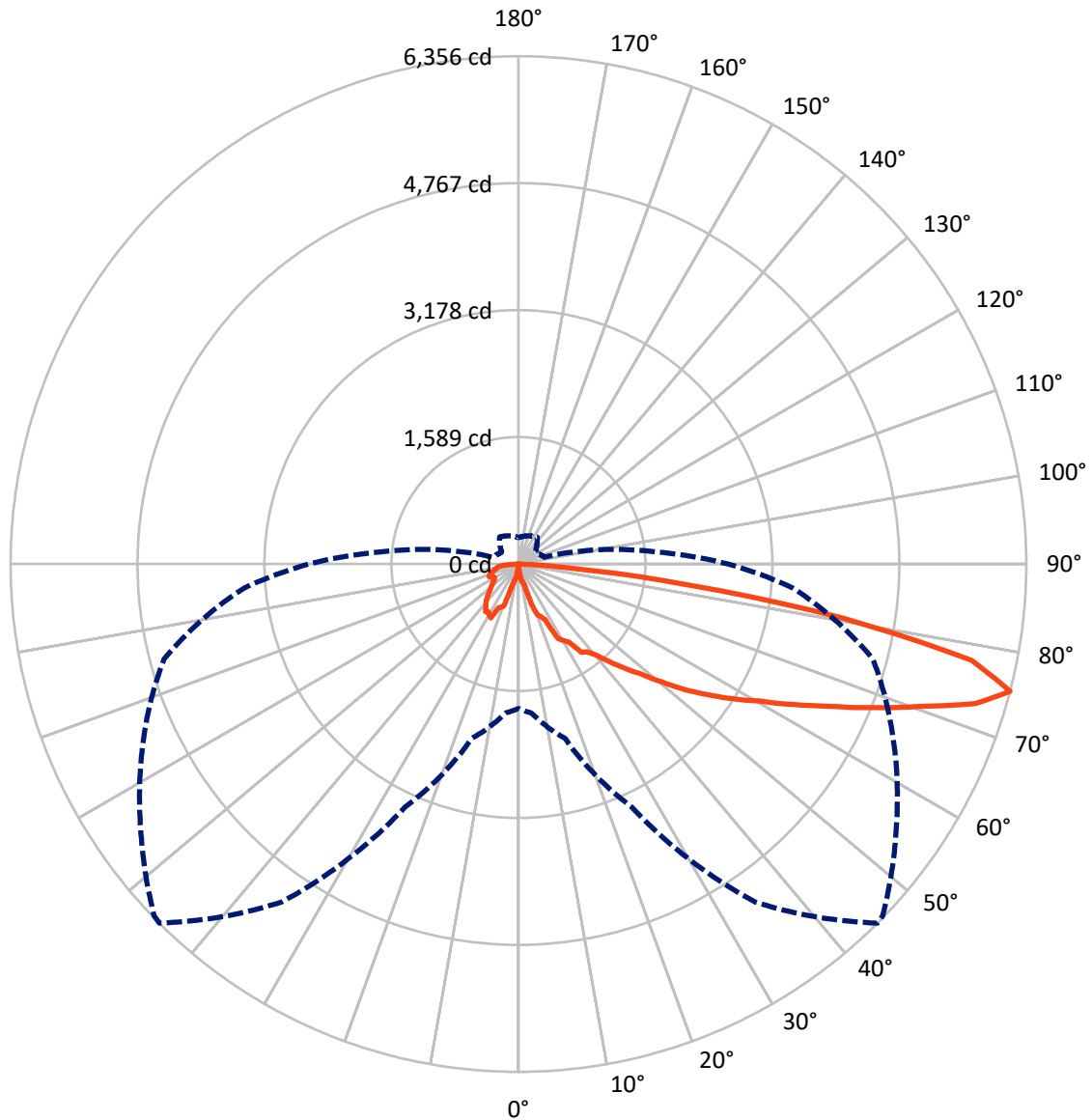
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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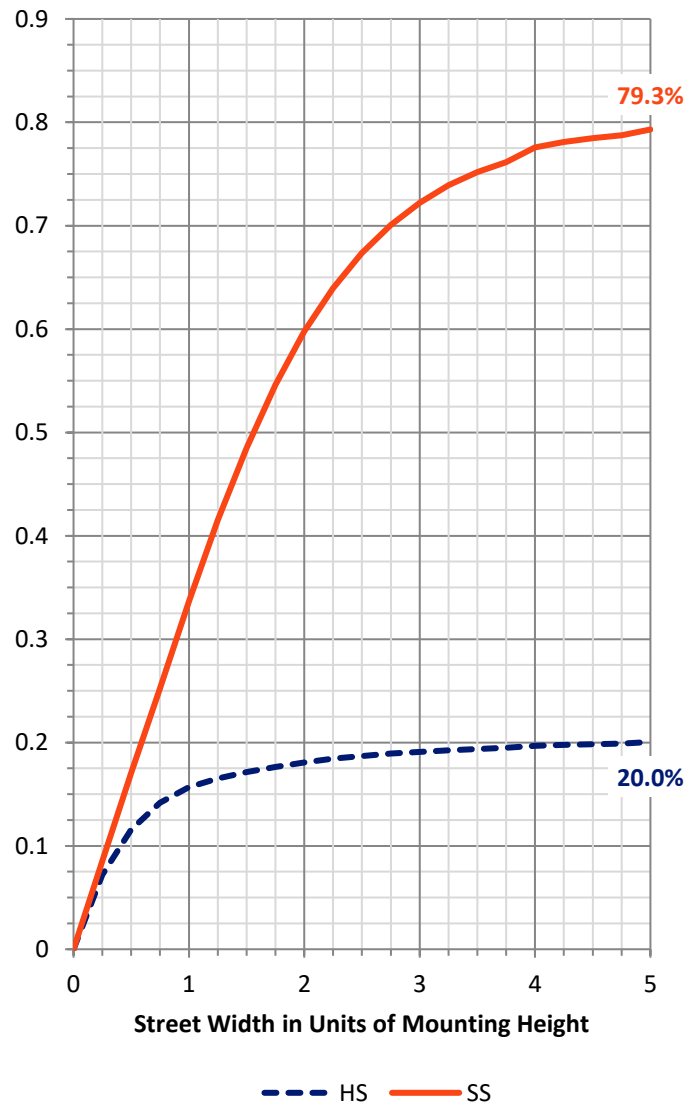
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2039.1	0.0	2039.1
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	7902.9	0.0	7902.9
	% Fixture	79.5	0.0	79.5
Total	Lumens	9942.0	0.0	9942.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.5	0.1
10°-20°	102.7	1.0
20°-30°	382.0	3.8
30°-40°	787.1	7.9
40°-50°	1248.0	12.6
50°-60°	1972.8	19.8
60°-70°	2771.7	27.9
70°-80°	2307.4	23.2
80°-90°	363.8	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°	9942.0	100.0
0°-180°	9942.0	100.0



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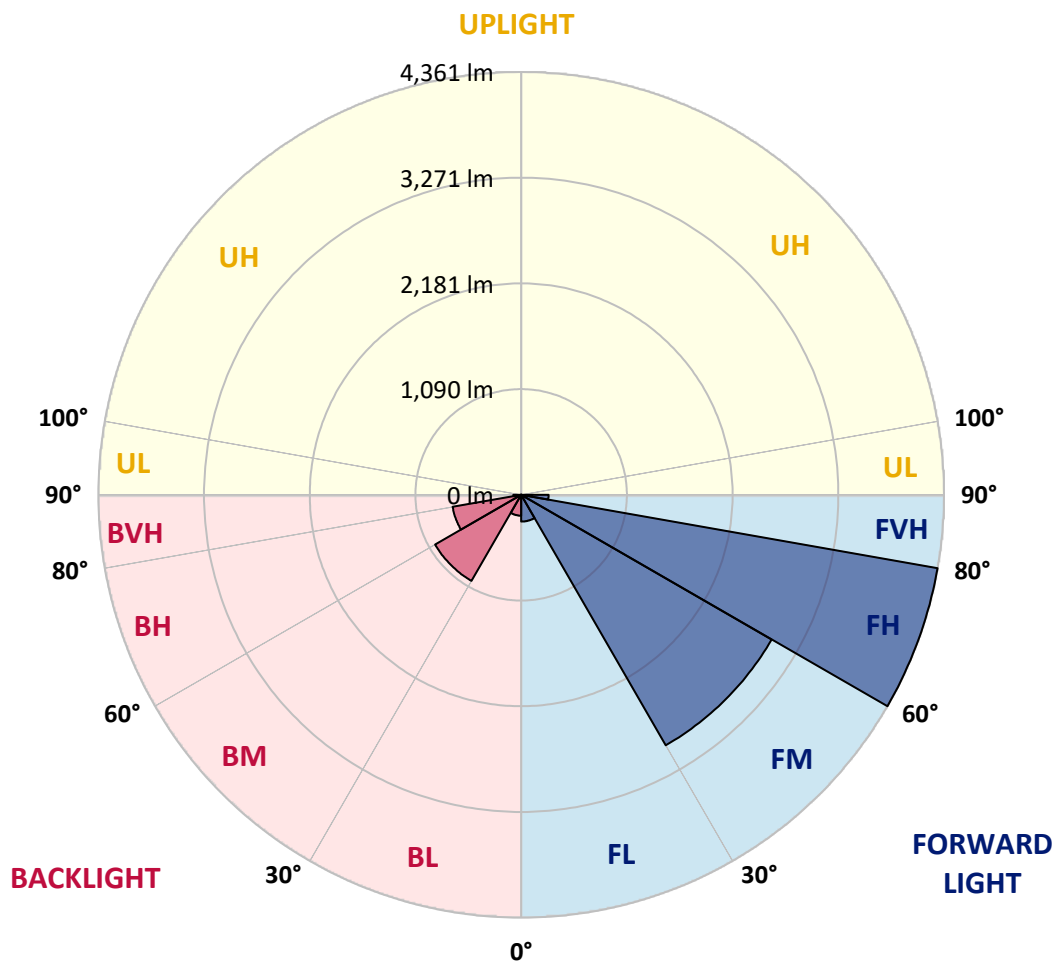
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	276.1	2.8			
FM	(30°-60°)	2983.1	30.0			
FH	(60°-80°)	4361.2	43.9			G2/5000
FVH	(80°-90°)	282.5	2.8			G3/500
BL	(0°-30°)	215.1	2.2	B1/500		
BM	(30°-60°)	1024.8	10.3	B2/2500		
BH	(60°-80°)	717.8	7.2	B2/1000		G2/1000
BVH	(80°-90°)	81.3	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-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	5.4	5.4	5.4	5.4	5.4	4.3	4.3	3.2	4.3	4.3	4.3
5°	76.6	72.2	57.1	50.7	42.1	17.3	14.0	6.5	5.4	5.4	4.3
7.5°	227.5	225.4	222.1	214.6	204.9	128.3	111.1	39.9	7.5	5.4	4.3
10°	251.2	246.9	241.5	234.0	225.4	214.6	213.5	196.2	35.6	11.9	9.7
12.5°	493.8	485.2	405.4	293.3	242.6	229.7	229.7	222.1	160.7	56.1	131.5
15°	530.5	526.2	511.1	491.7	462.6	266.3	260.9	347.2	428.1	299.8	318.1
17.5°	596.3	586.6	540.2	516.5	494.9	537.0	533.7	497.1	469.0	332.1	356.9
20°	831.3	825.9	806.5	577.9	532.7	679.3	681.4	563.9	510.0	587.6	583.3
22.5°	850.7	849.7	835.6	801.1	844.3	712.7	713.8	749.4	745.1	779.6	707.3
25°	1112.7	1109.5	900.3	825.9	921.9	767.7	802.2	929.4	830.2	845.3	883.1
27.5°	1141.9	1139.7	1127.8	1076.1	954.2	1057.8	1057.8	960.7	1057.8	1107.4	1113.8
30°	1298.2	1257.2	1174.2	1149.4	1111.7	1110.6	1113.8	1112.7	1223.8	1159.1	1223.8
32.5°	1526.8	1518.2	1488.0	1246.4	1235.7	1164.5	1201.2	1285.3	1277.7	1474.0	1558.1
35°	1856.7	1739.2	1632.5	1438.4	1283.1	1356.4	1361.8	1332.7	1488.0	1550.5	1669.1
37.5°	2317.1	2284.8	2133.8	1619.5	1429.7	1394.2	1397.4	1492.3	1581.8	1650.8	1783.4
40°	2652.5	2635.2	2530.6	1982.9	1567.8	1496.6	1504.1	1565.6	1648.6	1771.6	1909.6
42.5°	2973.8	2973.8	2912.3	2293.4	1864.3	1671.3	1665.9	1678.8	1738.1	1867.5	2096.1
45°	3183.0	3171.1	3222.9	2585.6	2085.3	1858.9	1838.4	1835.2	1856.7	2009.8	2346.3
47.5°	3393.2	3360.9	3410.5	2881.1	2374.3	2053.0	2055.1	2015.2	2044.3	2279.4	2688.1
50°	3615.3	3621.8	3615.3	3130.1	2657.9	2317.1	2298.8	2248.1	2306.4	2595.3	3070.8
52.5°	3932.3	3909.7	3846.1	3447.1	3020.2	2610.4	2581.3	2508.0	2644.9	2967.3	3549.6
55°	4163.1	4141.5	4124.3	3786.8	3298.3	2894.0	2876.7	2795.9	3052.5	3342.5	4043.4
57.5°	4414.3	4388.4	4438.0	4250.4	3735.0	3190.5	3167.9	3118.3	3470.9	3770.6	4545.9
60°	4583.6	4584.7	4720.5	4584.7	4099.5	3487.0	3465.5	3502.1	3853.6	4163.1	5088.2
62.5°	4583.6	4619.2	4917.9	4950.2	4489.8	3874.1	3836.4	3856.9	4269.8	4575.0	5533.5
65°	4149.1	4193.3	4889.8	5055.9	4881.2	4292.5	4274.1	4261.2	4663.4	4900.6	5882.9
67.5°	3705.9	3760.9	4465.0	5061.3	5201.4	4800.3	4733.5	4624.6	5003.0	5143.2	6070.5
70°	3398.6	3443.9	4003.5	4887.7	5408.5	5333.0	5288.8	5002.0	5230.5	5297.4	5859.2
72.5°	2899.4	2903.7	3401.9	4521.1	5547.6	5976.7	5873.2	5420.3	5358.9	5197.1	4968.5
75°	1807.1	1872.9	2261.1	3355.5	5163.7	6356.2	6336.8	5771.8	5175.6	4592.2	3445.0
77.5°	672.8	711.6	945.6	1723.0	3695.1	5797.7	5815.0	5390.1	4377.7	3327.5	1850.3
80°	218.9	235.1	312.7	555.3	1641.1	4126.4	4261.2	3823.4	2684.8	1690.7	779.6
82.5°	121.8	117.5	181.1	287.9	700.9	2138.2	2226.6	1838.4	1265.9	707.3	291.1
85°	56.1	58.2	86.3	156.3	374.1	596.3	643.7	628.6	479.8	291.1	106.7
87.5°	11.9	14.0	19.4	36.7	58.2	50.7	36.7	64.7	93.8	69.0	18.3
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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	4.3	4.3	3.2	3.2	2.2	2.2	1.1	1.1	2.2	2.2	2.2
5°	4.3	4.3	3.2	3.2	3.2	3.2	4.3	7.5	8.6	9.7	8.6
7.5°	4.3	4.3	4.3	4.3	5.4	10.8	50.7	155.3	165.0	168.2	172.5
10°	9.7	8.6	8.6	9.7	33.4	162.8	196.2	207.0	212.4	215.6	214.6
12.5°	149.9	148.8	55.0	33.4	156.3	205.9	211.3	217.8	228.6	239.4	235.1
15°	317.0	315.9	291.1	301.9	304.1	224.3	228.6	374.1	398.9	415.1	420.5
17.5°	345.0	348.3	338.6	417.3	427.0	339.6	380.6	417.3	425.9	431.3	432.4
20°	640.5	575.8	492.8	466.9	455.0	560.7	424.8	429.1	554.2	594.1	598.4
22.5°	704.1	698.7	653.4	672.8	568.2	584.4	549.9	580.1	636.2	648.0	648.0
25°	909.0	899.3	746.1	700.9	721.3	600.6	694.4	631.8	652.3	673.9	676.1
27.5°	1117.1	1105.2	996.3	788.2	714.9	758.0	705.2	762.3	824.9	855.0	856.1
30°	1214.1	1197.9	1039.4	888.5	744.0	741.8	740.8	843.2	837.8	857.2	862.6
32.5°	1613.0	1587.2	1328.4	873.4	772.0	705.2	786.0	820.5	943.5	1003.8	1010.3
35°	1710.1	1677.7	1334.9	966.1	728.9	726.7	728.9	842.1	909.0	952.1	961.8
37.5°	1821.1	1776.9	1319.8	905.7	746.1	677.1	693.3	760.2	905.7	1002.8	1010.3
40°	1959.2	1891.2	1315.5	845.3	695.5	640.5	637.2	726.7	791.4	850.7	856.1
42.5°	2150.0	2041.1	1309.0	782.8	636.2	596.3	601.7	640.5	692.2	686.8	695.5
45°	2403.4	2227.6	1298.2	727.8	575.8	541.3	538.0	566.1	589.8	555.3	545.6
47.5°	2720.4	2458.4	1315.5	675.0	519.7	487.4	488.4	500.3	504.6	466.9	458.3
50°	3080.5	2719.3	1333.8	616.8	474.4	449.6	444.2	448.5	442.1	405.4	402.2
52.5°	3509.7	3025.5	1343.5	561.8	437.8	418.4	411.9	408.7	398.9	374.1	370.9
55°	4006.7	3393.2	1364.0	517.6	407.6	389.2	386.0	381.7	378.5	364.4	362.3
57.5°	4515.7	3798.6	1352.1	472.3	378.5	362.3	368.8	376.3	384.9	379.5	378.5
60°	4982.6	4122.1	1205.5	432.4	350.4	346.1	374.1	409.7	416.2	421.6	420.5
62.5°	5331.9	4284.9	956.4	397.9	331.0	347.2	415.1	464.7	458.3	444.2	441.0
65°	5454.8	4239.6	736.4	372.0	321.3	376.3	458.3	484.1	447.5	421.6	416.2
67.5°	5372.9	4016.4	570.4	350.4	315.9	401.1	473.3	465.8	423.7	404.3	396.8
70°	4953.4	3551.7	452.9	332.1	310.5	386.0	465.8	444.2	404.3	387.1	375.2
72.5°	4053.1	2808.8	388.2	311.6	287.9	354.7	442.1	415.1	387.1	364.4	353.7
75°	2621.2	1727.3	337.5	287.9	257.7	321.3	411.9	387.1	363.4	340.7	329.9
77.5°	1261.5	785.0	295.4	258.8	229.7	296.5	387.1	358.0	334.3	311.6	298.7
80°	531.6	370.9	252.3	229.7	209.2	278.2	360.1	326.7	299.8	283.6	269.6
82.5°	258.8	204.9	191.9	186.5	182.2	253.4	331.0	290.0	262.0	246.9	215.6
85°	87.3	88.4	118.6	115.4	128.3	202.7	270.6	220.0	196.2	170.4	159.6
87.5°	8.6	11.9	16.2	20.5	42.1	56.1	92.7	75.5	59.3	22.6	15.1
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)