

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: P415434

Luminaire Tested: **LXF.LXT-PA1-50-727-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415434
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-PA1-50-727-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 5445 lumens
Efficiency: N/A
Efficacy: 100.8 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

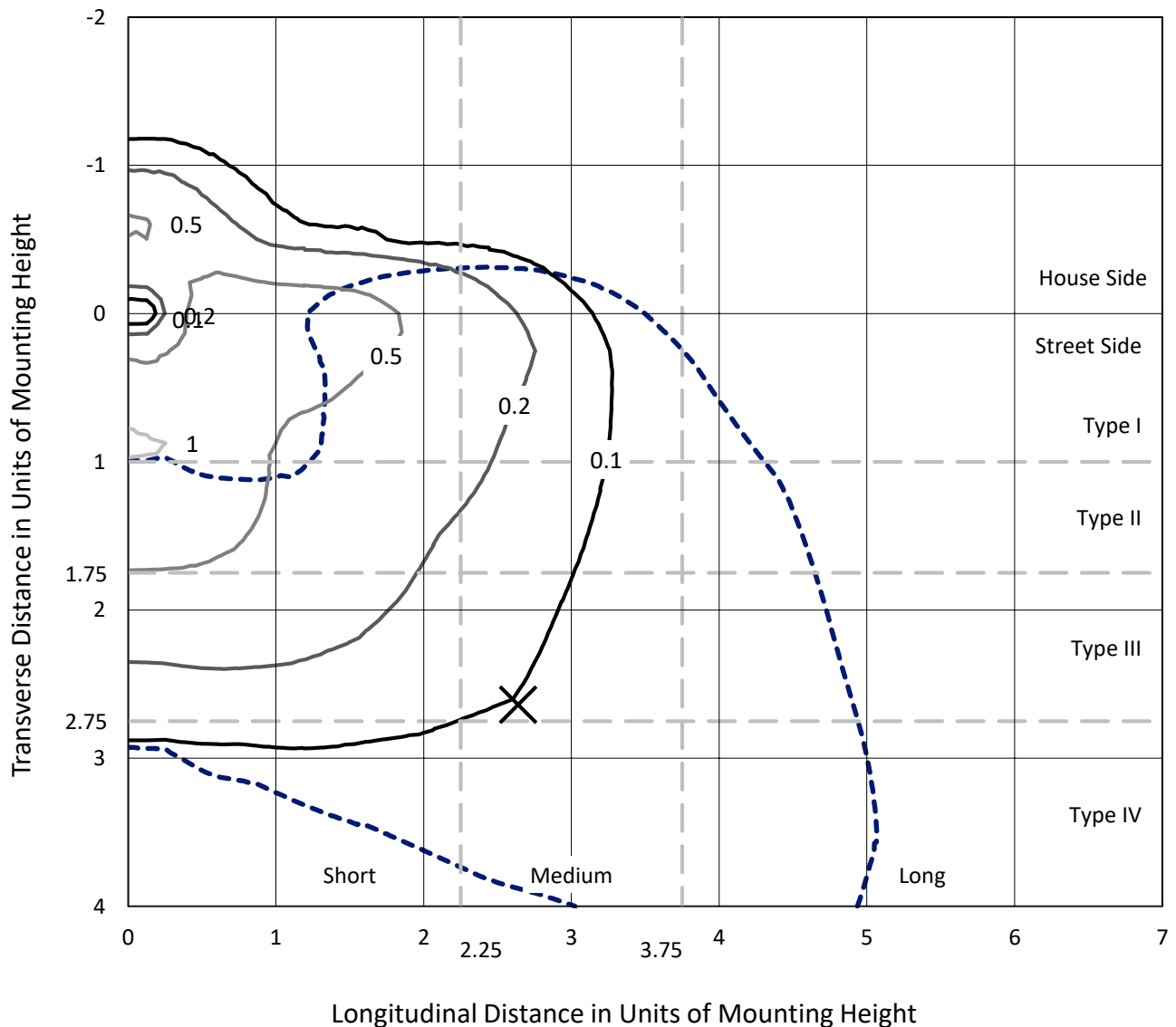


REPORT NUMBER: P415434

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

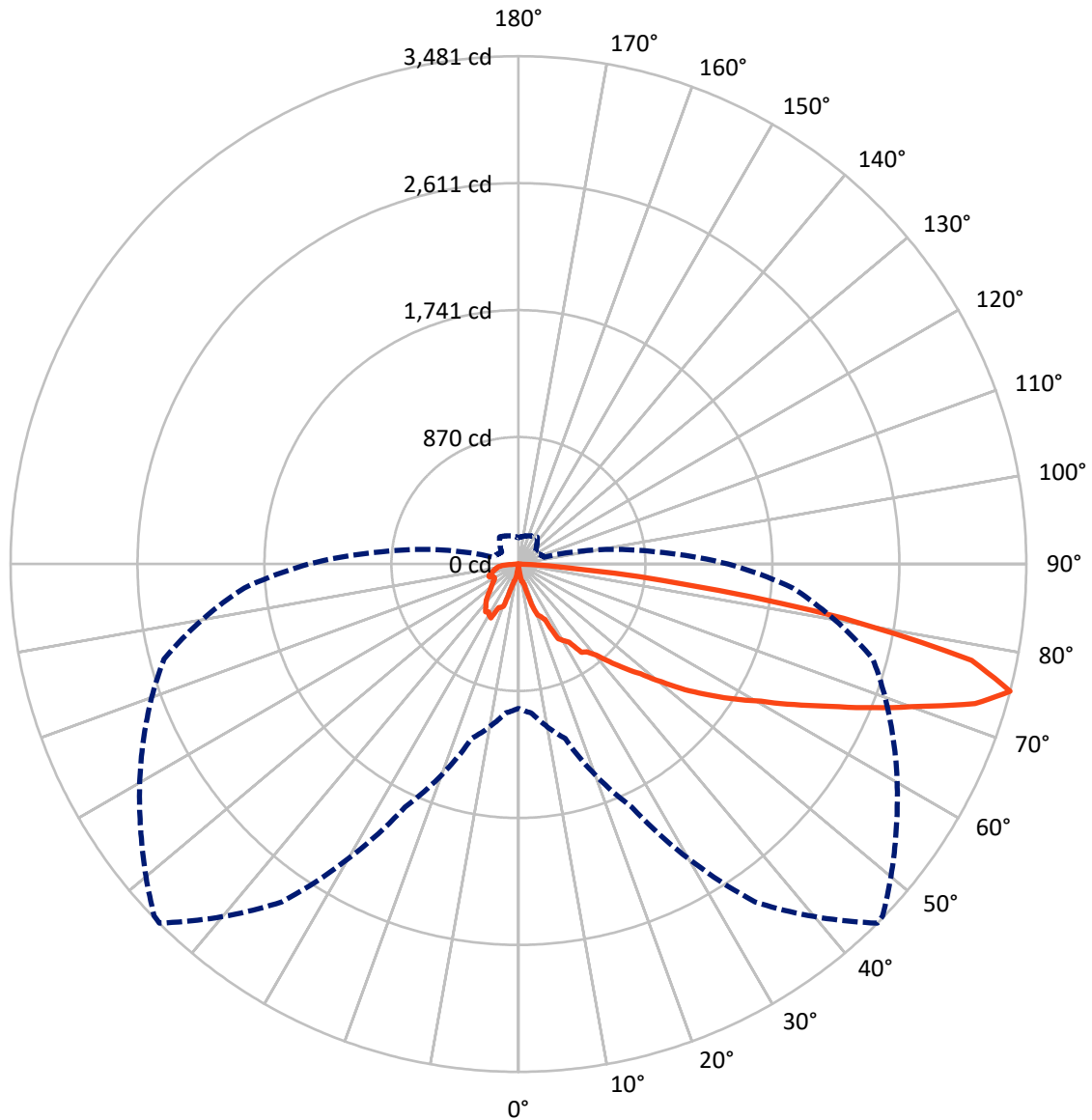


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P415434

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T4W

Luminous Intensity Polar Plot



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



REPORT NUMBER: P415434

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T4W

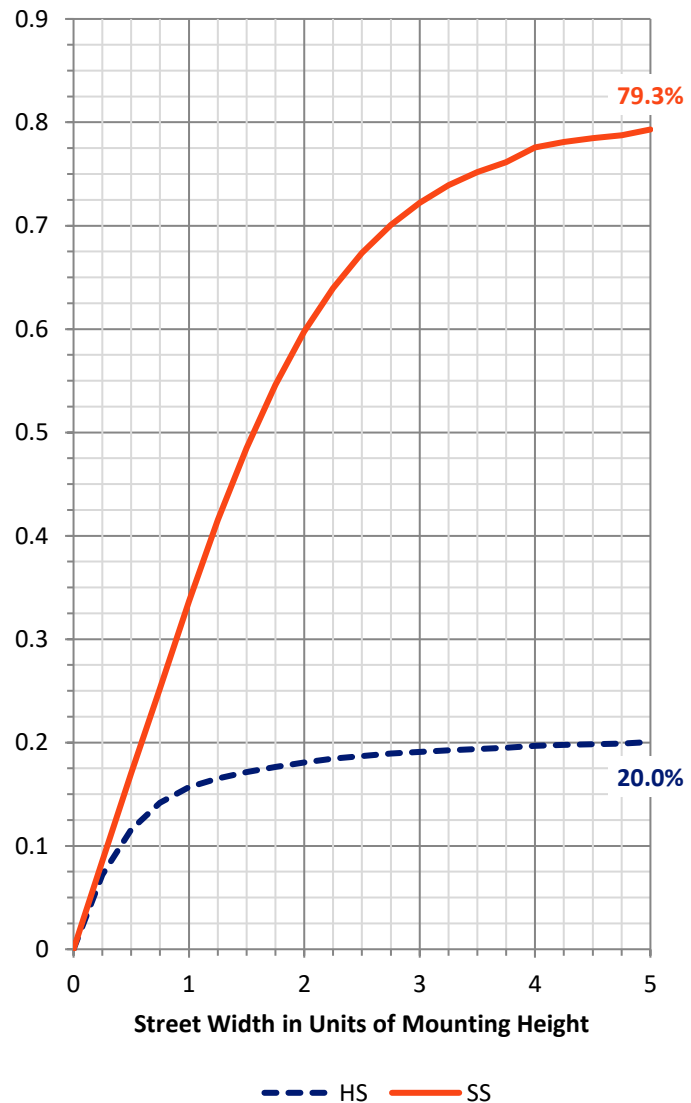
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1116.8	0.0	1116.8
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	4328.2	0.0	4328.2
	% Fixture	79.5	0.0	79.5
Total	Lumens	5445.0	0.0	5445.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	56.2	1.0
20°-30°	209.2	3.8
30°-40°	431.1	7.9
40°-50°	683.5	12.6
50°-60°	1080.5	19.8
60°-70°	1518.0	27.9
70°-80°	1263.7	23.2
80°-90°	199.3	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°	5445.0	100.0
0°-180°	5445.0	100.0



REPORT NUMBER: P415434

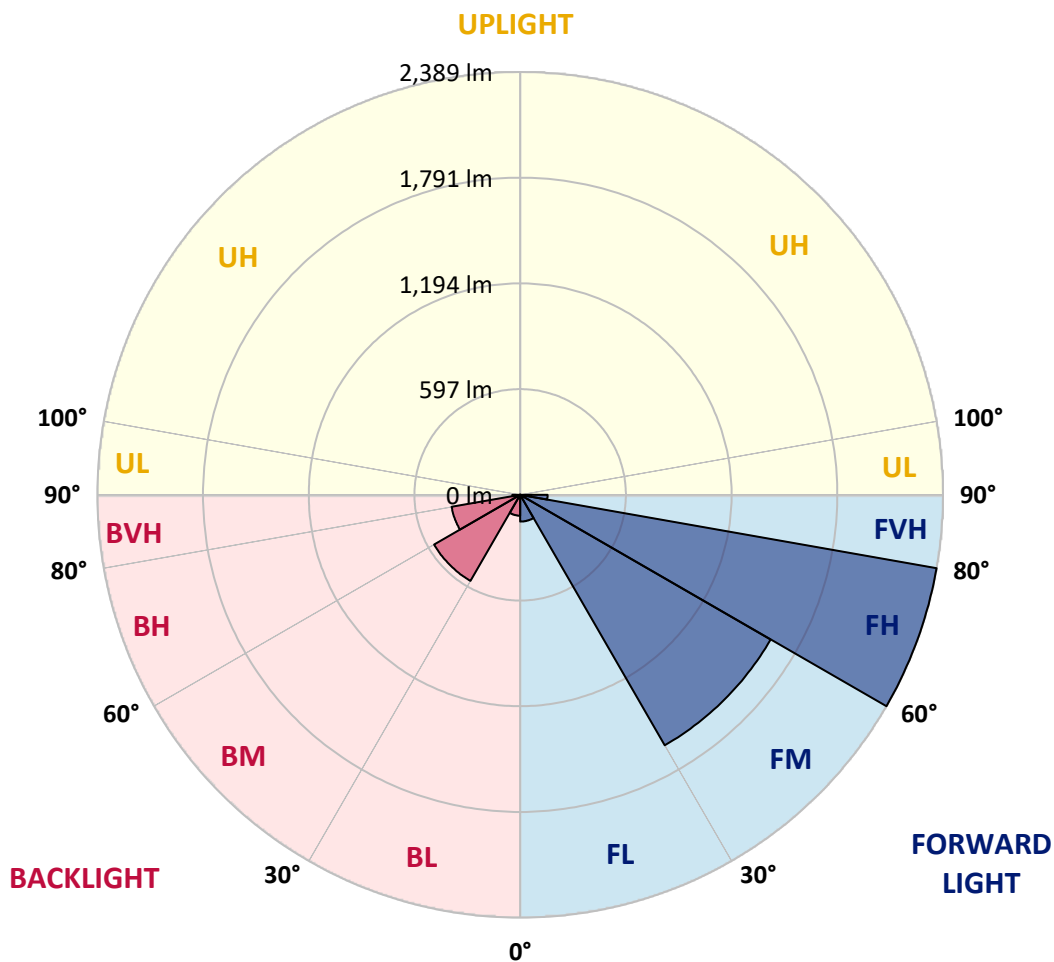
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	151.2	2.8			
FM	(30°-60°)	1633.8	30.0			
FH	(60°-80°)	2388.5	43.9			G2/5000
FVH	(80°-90°)	154.7	2.8			G2/225
BL	(0°-30°)	117.8	2.2	B1/500		
BM	(30°-60°)	561.3	10.3	B1/1000		
BH	(60°-80°)	393.1	7.2	B1/500		G1/500
BVH	(80°-90°)	44.5	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





REPORT NUMBER: P415434

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	3.0	3.0	3.0	3.0	3.0	2.4	2.4	1.8	2.4	2.4	2.4
5°	41.9	39.6	31.3	27.8	23.0	9.4	7.7	3.5	3.0	3.0	2.4
7.5°	124.6	123.4	121.6	117.5	112.2	70.3	60.8	21.8	4.1	3.0	2.4
10°	137.6	135.2	132.3	128.1	123.4	117.5	116.9	107.5	19.5	6.5	5.3
12.5°	270.5	265.7	222.0	160.6	132.9	125.8	125.8	121.6	88.0	30.7	72.0
15°	290.5	288.2	279.9	269.3	253.3	145.9	142.9	190.1	234.4	164.2	174.2
17.5°	326.6	321.2	295.9	282.9	271.1	294.1	292.3	272.2	256.9	181.9	195.5
20°	455.3	452.3	441.7	316.5	291.7	372.0	373.2	308.8	279.3	321.8	319.5
22.5°	465.9	465.3	457.7	438.8	462.4	390.3	390.9	410.4	408.1	427.0	387.4
25°	609.4	607.7	493.1	452.3	504.9	420.5	439.4	509.0	454.7	463.0	483.6
27.5°	625.4	624.2	617.7	589.3	522.6	579.3	579.3	526.2	579.3	606.5	610.0
30°	711.0	688.6	643.1	629.5	608.8	608.2	610.0	609.4	670.2	634.8	670.2
32.5°	836.2	831.5	814.9	682.6	676.7	637.8	657.8	703.9	699.8	807.3	853.3
35°	1016.9	952.5	894.1	787.8	702.7	742.9	745.8	729.9	814.9	849.2	914.1
37.5°	1269.0	1251.3	1168.7	887.0	783.0	763.6	765.3	817.3	866.3	904.1	976.7
40°	1452.7	1443.2	1386.0	1086.0	858.6	819.7	823.8	857.4	902.9	970.2	1045.8
42.5°	1628.7	1628.7	1595.0	1256.1	1021.0	915.3	912.4	919.5	951.9	1022.8	1148.0
45°	1743.2	1736.7	1765.1	1416.1	1142.1	1018.1	1006.8	1005.1	1016.9	1100.7	1285.0
47.5°	1858.4	1840.7	1867.8	1577.9	1300.3	1124.4	1125.5	1103.7	1119.6	1248.4	1472.2
50°	1980.0	1983.6	1980.0	1714.3	1455.6	1269.0	1259.0	1231.2	1263.1	1421.4	1681.8
52.5°	2153.7	2141.3	2106.4	1887.9	1654.1	1429.7	1413.7	1373.6	1448.6	1625.1	1944.0
55°	2280.0	2268.2	2258.8	2073.9	1806.4	1585.0	1575.5	1531.2	1671.8	1830.6	2214.5
57.5°	2417.6	2403.4	2430.6	2327.9	2045.6	1747.4	1735.0	1707.8	1900.9	2065.1	2489.7
60°	2510.3	2510.9	2585.3	2510.9	2245.2	1909.8	1898.0	1918.0	2110.5	2280.0	2786.7
62.5°	2510.3	2529.8	2693.4	2711.1	2459.0	2121.8	2101.1	2112.3	2338.5	2505.6	3030.6
65°	2272.3	2296.6	2678.0	2769.0	2673.3	2350.9	2340.9	2333.8	2554.0	2683.9	3221.9
67.5°	2029.6	2059.8	2445.4	2771.9	2848.7	2629.0	2592.4	2532.8	2740.0	2816.8	3324.7
70°	1861.3	1886.1	2192.6	2676.9	2962.1	2920.7	2896.5	2739.5	2864.6	2901.3	3208.9
72.5°	1587.9	1590.3	1863.1	2476.1	3038.3	3273.3	3216.6	2968.6	2934.9	2846.3	2721.1
75°	989.7	1025.7	1238.3	1837.7	2828.0	3481.2	3470.5	3161.1	2834.5	2515.1	1886.7
77.5°	368.5	389.7	517.9	943.7	2023.7	3175.3	3184.7	2952.0	2397.5	1822.4	1013.3
80°	119.9	128.7	171.3	304.1	898.8	2259.9	2333.8	2094.0	1470.4	925.9	427.0
82.5°	66.7	64.4	99.2	157.7	383.8	1171.0	1219.4	1006.8	693.3	387.4	159.4
85°	30.7	31.9	47.2	85.6	204.9	326.6	352.5	344.3	262.8	159.4	58.5
87.5°	6.5	7.7	10.6	20.1	31.9	27.8	20.1	35.4	51.4	37.8	10.0
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: P415434

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	2.4	2.4	1.8	1.8	1.2	1.2	0.6	0.6	1.2	1.2	1.2
5°	2.4	2.4	1.8	1.8	1.8	1.8	2.4	4.1	4.7	5.3	4.7
7.5°	2.4	2.4	2.4	2.4	3.0	5.9	27.8	85.0	90.4	92.1	94.5
10°	5.3	4.7	4.7	5.3	18.3	89.2	107.5	113.4	116.3	118.1	117.5
12.5°	82.1	81.5	30.1	18.3	85.6	112.8	115.7	119.3	125.2	131.1	128.7
15°	173.6	173.0	159.4	165.3	166.5	122.8	125.2	204.9	218.5	227.4	230.3
17.5°	189.0	190.7	185.4	228.5	233.8	186.0	208.5	228.5	233.3	236.2	236.8
20°	350.8	315.3	269.9	255.7	249.2	307.1	232.7	235.0	303.5	325.4	327.7
22.5°	385.6	382.7	357.9	368.5	311.2	320.1	301.2	317.7	348.4	354.9	354.9
25°	497.8	492.5	408.6	383.8	395.1	328.9	380.3	346.0	357.3	369.1	370.3
27.5°	611.8	605.3	545.6	431.7	391.5	415.1	386.2	417.5	451.8	468.3	468.9
30°	664.9	656.1	569.3	486.6	407.5	406.3	405.7	461.8	458.8	469.5	472.4
32.5°	883.4	869.3	727.5	478.3	422.8	386.2	430.5	449.4	516.7	549.8	553.3
35°	936.6	918.9	731.1	529.1	399.2	398.0	399.2	461.2	497.8	521.4	526.8
37.5°	997.4	973.2	722.8	496.0	408.6	370.9	379.7	416.3	496.0	549.2	553.3
40°	1073.0	1035.8	720.4	463.0	380.9	350.8	349.0	398.0	433.4	465.9	468.9
42.5°	1177.5	1117.9	716.9	428.7	348.4	326.6	329.5	350.8	379.1	376.2	380.9
45°	1316.3	1220.0	711.0	398.6	315.3	296.4	294.7	310.0	323.0	304.1	298.8
47.5°	1489.9	1346.4	720.4	369.7	284.6	266.9	267.5	274.0	276.4	255.7	251.0
50°	1687.1	1489.3	730.5	337.8	259.8	246.2	243.3	245.7	242.1	222.0	220.3
52.5°	1922.2	1657.0	735.8	307.7	239.8	229.1	225.6	223.8	218.5	204.9	203.1
55°	2194.4	1858.4	747.0	283.5	223.2	213.2	211.4	209.0	207.3	199.6	198.4
57.5°	2473.1	2080.4	740.5	258.7	207.3	198.4	202.0	206.1	210.8	207.9	207.3
60°	2728.8	2257.6	660.2	236.8	191.9	189.6	204.9	224.4	227.9	230.9	230.3
62.5°	2920.2	2346.8	523.8	217.9	181.3	190.1	227.4	254.5	251.0	243.3	241.5
65°	2987.5	2322.0	403.3	203.7	176.0	206.1	251.0	265.1	245.1	230.9	227.9
67.5°	2942.6	2199.7	312.4	191.9	173.0	219.7	259.2	255.1	232.1	221.4	217.3
70°	2712.9	1945.2	248.0	181.9	170.1	211.4	255.1	243.3	221.4	212.0	205.5
72.5°	2219.8	1538.3	212.6	170.7	157.7	194.3	242.1	227.4	212.0	199.6	193.7
75°	1435.6	946.0	184.8	157.7	141.1	176.0	225.6	212.0	199.0	186.6	180.7
77.5°	690.9	429.9	161.8	141.7	125.8	162.4	212.0	196.1	183.1	170.7	163.6
80°	291.1	203.1	138.2	125.8	114.6	152.4	197.2	178.9	164.2	155.3	147.6
82.5°	141.7	112.2	105.1	102.2	99.8	138.8	181.3	158.9	143.5	135.2	118.1
85°	47.8	48.4	65.0	63.2	70.3	111.0	148.2	120.5	107.5	93.3	87.4
87.5°	4.7	6.5	8.9	11.2	23.0	30.7	50.8	41.3	32.5	12.4	8.3
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)