

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: P416578

Luminaire Tested: **LXF.LXT-PA1-70-830-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416578
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-PA1-70-830-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 6704 lumens
Efficiency: N/A
Efficacy: 90.6 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

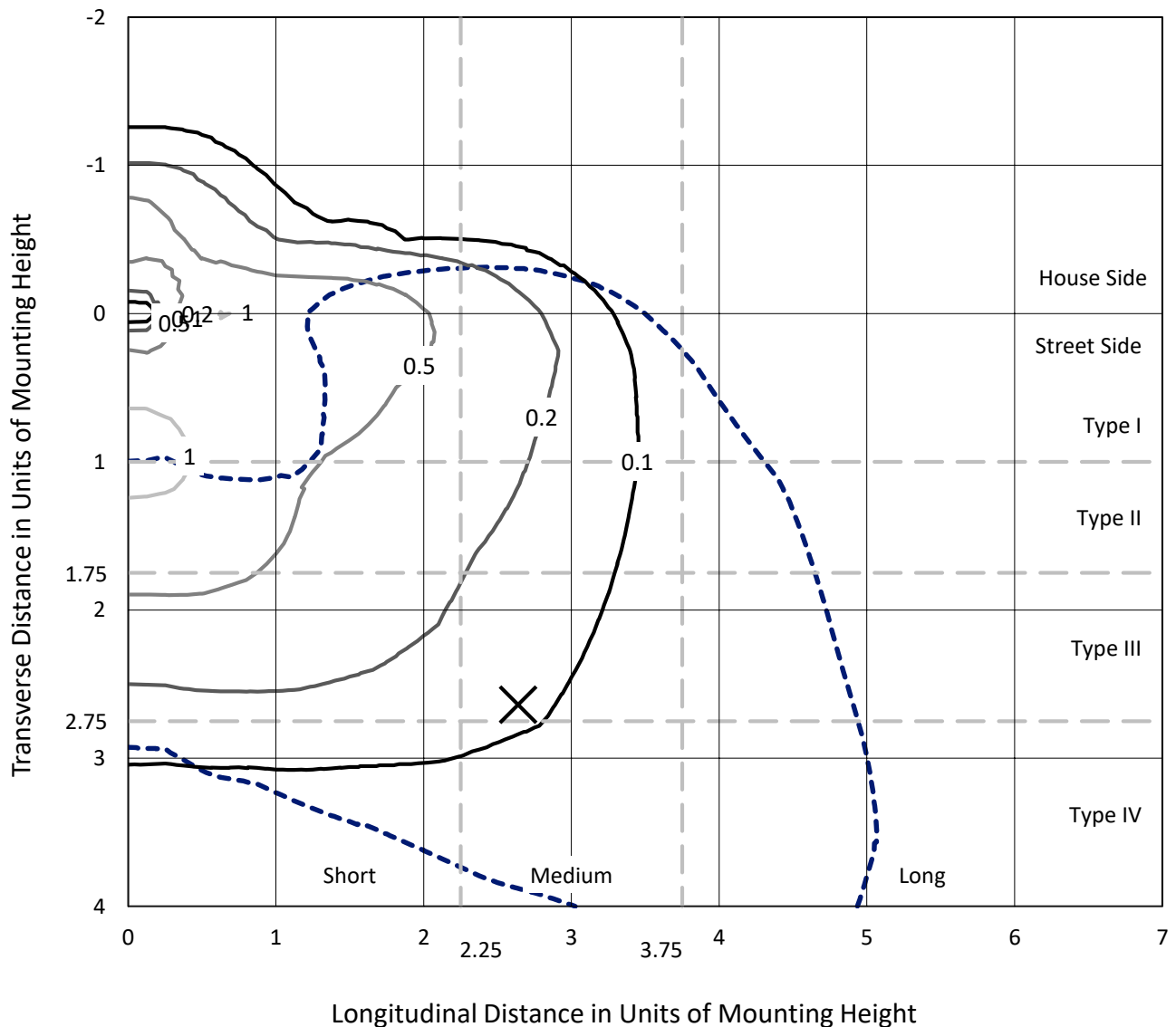
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

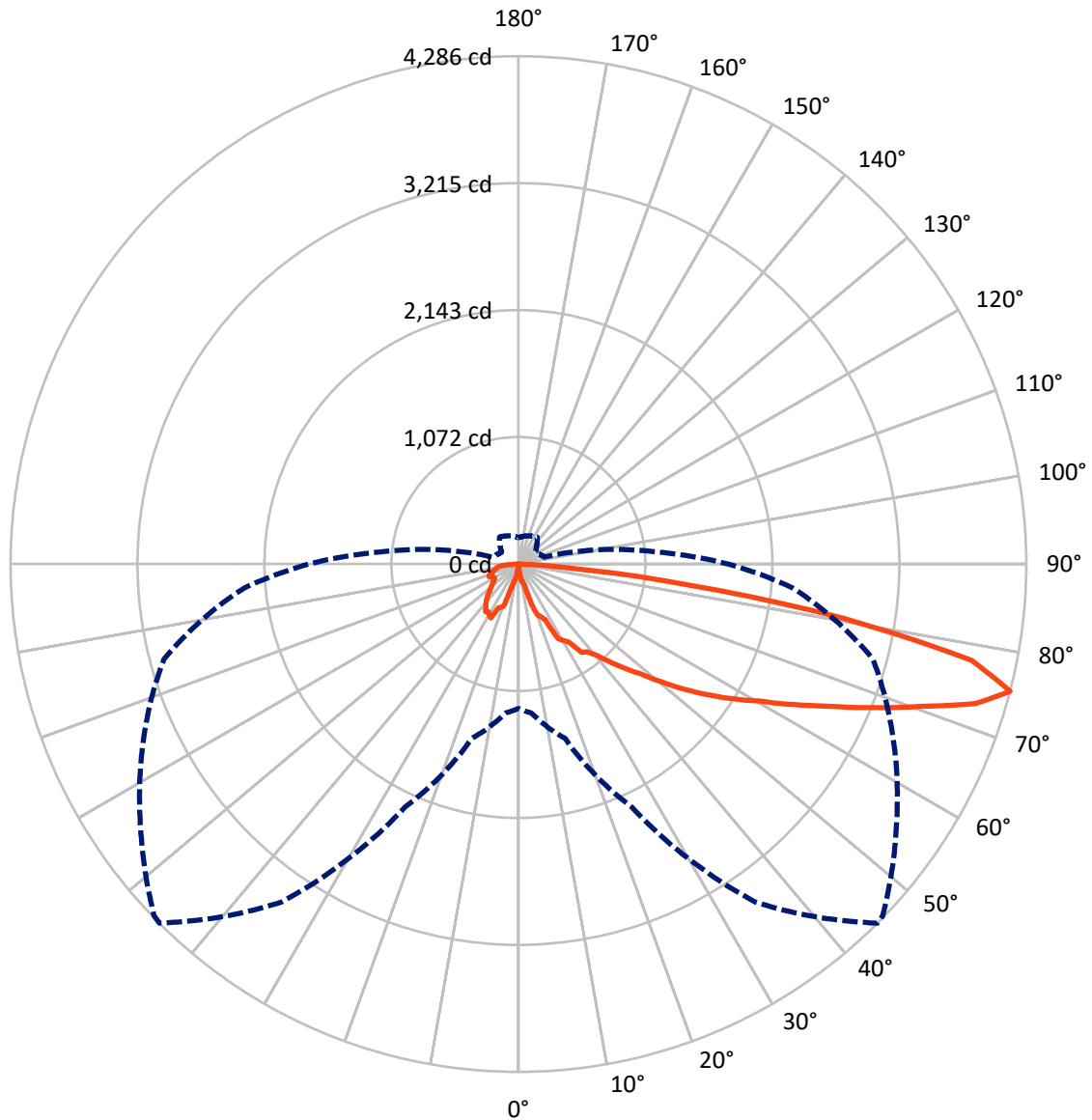


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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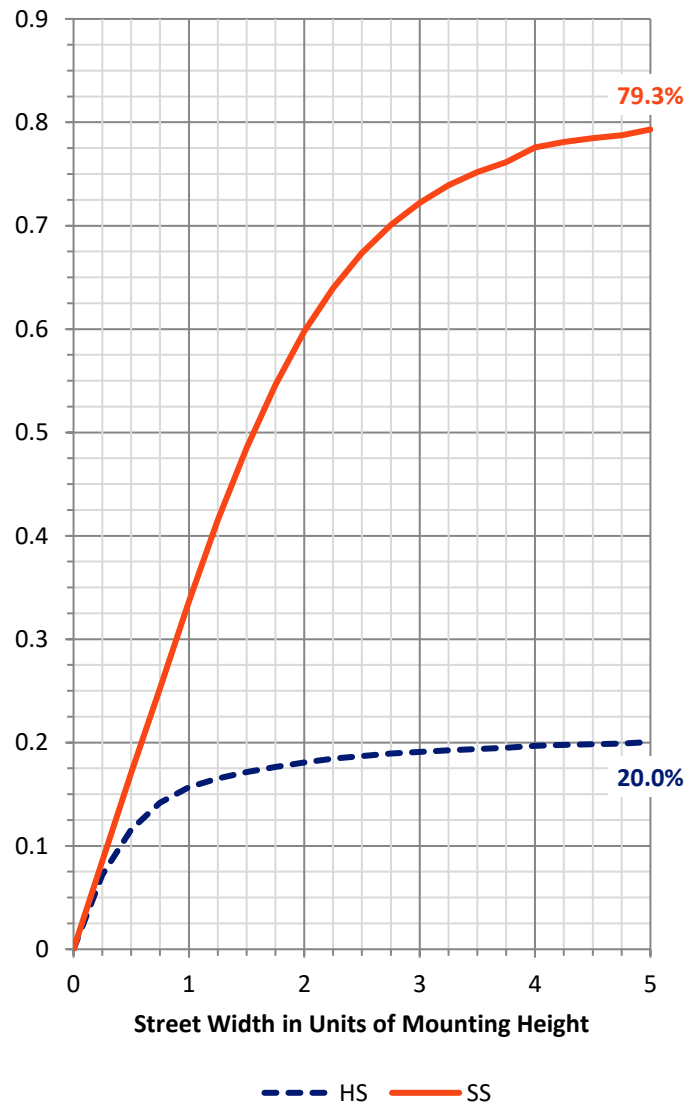
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1375.0	0.0	1375.0
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	5329.0	0.0	5329.0
	% Fixture	79.5	0.0	79.5
Total	Lumens	6704.0	0.0	6704.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.1
10°-20°	69.2	1.0
20°-30°	257.6	3.8
30°-40°	530.7	7.9
40°-50°	841.5	12.6
50°-60°	1330.3	19.8
60°-70°	1869.0	27.9
70°-80°	1555.9	23.2
80°-90°	245.3	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°	6704.0	100.0
0°-180°	6704.0	100.0



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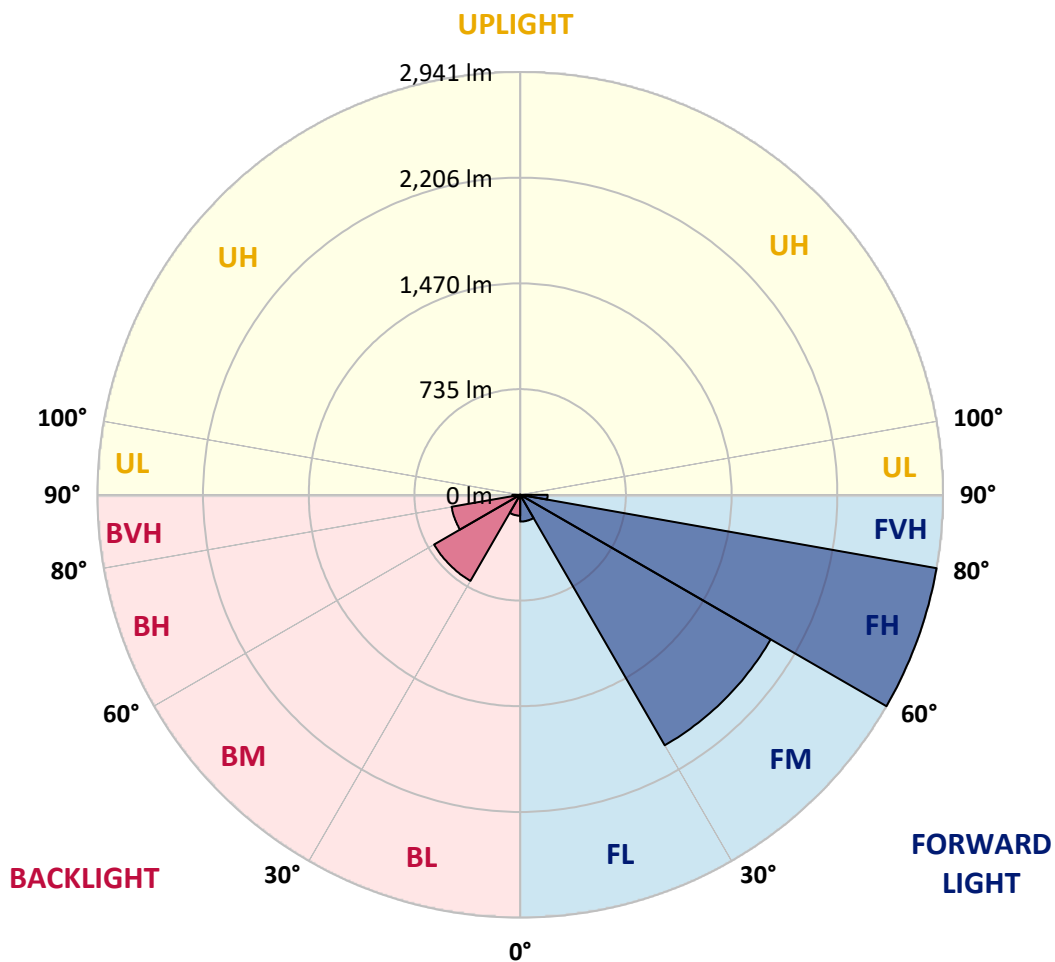
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	186.2	2.8			
FM	(30°-60°)	2011.5	30.0			
FH	(60°-80°)	2940.8	43.9			G2/5000
FVH	(80°-90°)	190.5	2.8			G2/225
BL	(0°-30°)	145.1	2.2	B1/500		
BM	(30°-60°)	691.0	10.3	B1/1000		
BH	(60°-80°)	484.0	7.2	B1/500		G1/500
BVH	(80°-90°)	54.8	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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	3.6	3.6	3.6	3.6	3.6	2.9	2.9	2.2	2.9	2.9	2.9
5°	51.6	48.7	38.5	34.2	28.4	11.6	9.5	4.4	3.6	3.6	2.9
7.5°	153.4	152.0	149.8	144.7	138.1	86.5	74.9	26.9	5.1	3.6	2.9
10°	169.4	166.5	162.9	157.8	152.0	144.7	144.0	132.3	24.0	8.0	6.5
12.5°	333.0	327.2	273.4	197.8	163.6	154.9	154.9	149.8	108.3	37.8	88.7
15°	357.7	354.8	344.6	331.5	311.9	179.6	176.0	234.1	288.6	202.1	214.5
17.5°	402.1	395.5	364.3	348.3	333.7	362.1	359.9	335.2	316.3	223.9	240.7
20°	560.6	556.9	543.8	389.7	359.2	458.1	459.5	380.3	343.9	396.3	393.3
22.5°	573.7	572.9	563.5	540.2	569.3	480.6	481.3	505.3	502.4	525.7	477.0
25°	750.3	748.2	607.1	556.9	621.6	517.7	540.9	626.7	559.8	570.0	595.5
27.5°	770.0	768.5	760.5	725.6	643.5	713.3	713.3	647.8	713.3	746.7	751.1
30°	875.4	847.8	791.8	775.1	749.6	748.9	751.1	750.3	825.2	781.6	825.2
32.5°	1029.5	1023.7	1003.4	840.5	833.2	785.2	810.0	866.7	861.6	993.9	1050.6
35°	1252.0	1172.8	1100.8	969.9	865.2	914.7	918.3	898.7	1003.4	1045.5	1125.5
37.5°	1562.5	1540.7	1438.9	1092.1	964.1	940.1	942.3	1006.3	1066.6	1113.1	1202.6
40°	1788.6	1777.0	1706.4	1337.1	1057.2	1009.2	1014.3	1055.7	1111.7	1194.6	1287.6
42.5°	2005.3	2005.3	1963.8	1546.5	1257.1	1127.0	1123.3	1132.0	1172.0	1259.3	1413.4
45°	2146.3	2138.3	2173.2	1743.5	1406.2	1253.5	1239.7	1237.5	1252.0	1355.3	1582.1
47.5°	2288.1	2266.3	2299.7	1942.7	1601.0	1384.3	1385.8	1358.9	1378.5	1537.0	1812.6
50°	2437.9	2442.2	2437.9	2110.7	1792.2	1562.5	1550.1	1515.9	1555.2	1750.1	2070.7
52.5°	2651.6	2636.4	2593.5	2324.4	2036.5	1760.2	1740.6	1691.2	1783.5	2000.9	2393.5
55°	2807.2	2792.7	2781.0	2553.5	2224.1	1951.5	1939.8	1885.3	2058.3	2253.9	2726.5
57.5°	2976.6	2959.2	2992.6	2866.1	2518.6	2151.4	2136.1	2102.7	2340.4	2542.6	3065.3
60°	3090.8	3091.5	3183.1	3091.5	2764.3	2351.3	2336.8	2361.5	2598.5	2807.2	3431.0
62.5°	3090.8	3114.8	3316.2	3338.0	3027.5	2612.4	2586.9	2600.7	2879.2	3085.0	3731.3
65°	2797.8	2827.6	3297.3	3409.2	3291.4	2894.5	2882.1	2873.4	3144.6	3304.5	3966.9
67.5°	2498.9	2536.0	3010.8	3412.9	3507.4	3236.9	3191.8	3118.4	3373.6	3468.1	4093.4
70°	2291.7	2322.3	2699.6	3295.8	3647.0	3596.1	3566.3	3372.9	3527.0	3572.1	3950.9
72.5°	1955.1	1958.0	2293.9	3048.6	3740.8	4030.1	3960.3	3655.0	3613.5	3504.5	3350.3
75°	1218.6	1262.9	1524.7	2262.6	3481.9	4286.1	4273.0	3892.0	3489.9	3096.6	2323.0
77.5°	453.7	479.9	637.6	1161.9	2491.7	3909.5	3921.1	3634.6	2951.9	2243.7	1247.7
80°	147.6	158.5	210.9	374.4	1106.6	2782.5	2873.4	2578.2	1810.4	1140.0	525.7
82.5°	82.2	79.3	122.1	194.1	472.6	1441.8	1501.4	1239.7	853.6	477.0	196.3
85°	37.8	39.3	58.2	105.4	252.3	402.1	434.1	423.9	323.5	196.3	72.0
87.5°	8.0	9.5	13.1	24.7	39.3	34.2	24.7	43.6	63.3	46.5	12.4
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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	2.9	2.9	2.2	2.2	1.5	1.5	0.7	0.7	1.5	1.5	1.5
5°	2.9	2.9	2.2	2.2	2.2	2.2	2.9	5.1	5.8	6.5	5.8
7.5°	2.9	2.9	2.9	2.9	3.6	7.3	34.2	104.7	111.2	113.4	116.3
10°	6.5	5.8	5.8	6.5	22.5	109.8	132.3	139.6	143.2	145.4	144.7
12.5°	101.1	100.3	37.1	22.5	105.4	138.9	142.5	146.9	154.1	161.4	158.5
15°	213.8	213.0	196.3	203.6	205.0	151.2	154.1	252.3	269.0	279.9	283.6
17.5°	232.7	234.8	228.3	281.4	287.9	229.0	256.7	281.4	287.2	290.8	291.6
20°	431.9	388.3	332.3	314.8	306.8	378.1	286.5	289.4	373.7	400.6	403.5
22.5°	474.8	471.1	440.6	453.7	383.2	394.1	370.8	391.2	429.0	437.0	437.0
25°	612.9	606.4	503.1	472.6	486.4	405.0	468.2	426.1	439.9	454.4	455.9
27.5°	753.2	745.2	671.8	531.5	482.0	511.1	475.5	514.0	556.2	576.6	577.3
30°	818.7	807.8	700.9	599.1	501.7	500.2	499.5	568.6	564.9	578.0	581.7
32.5°	1087.7	1070.2	895.8	588.9	520.6	475.5	530.0	553.3	636.2	676.9	681.3
35°	1153.1	1131.3	900.1	651.5	491.5	490.0	491.5	567.8	612.9	642.0	648.5
37.5°	1228.0	1198.2	889.9	610.7	503.1	456.6	467.5	512.6	610.7	676.2	681.3
40°	1321.1	1275.3	887.0	570.0	469.0	431.9	429.7	490.0	533.7	573.7	577.3
42.5°	1449.8	1376.3	882.7	527.9	429.0	402.1	405.7	431.9	466.8	463.1	469.0
45°	1620.6	1502.1	875.4	490.8	388.3	365.0	362.8	381.7	397.7	374.4	367.9
47.5°	1834.4	1657.7	887.0	455.1	350.4	328.6	329.4	337.4	340.3	314.8	309.0
50°	2077.2	1833.7	899.4	415.9	319.9	303.2	299.6	302.5	298.1	273.4	271.2
52.5°	2366.6	2040.2	905.9	378.8	295.2	282.1	277.7	275.6	269.0	252.3	250.1
55°	2701.8	2288.1	919.7	349.0	274.8	262.5	260.3	257.4	255.2	245.7	244.3
57.5°	3045.0	2561.5	911.7	318.5	255.2	244.3	248.7	253.7	259.6	255.9	255.2
60°	3359.8	2779.6	812.9	291.6	236.3	233.4	252.3	276.3	280.6	284.3	283.6
62.5°	3595.4	2889.4	644.9	268.3	223.2	234.1	279.9	313.4	309.0	299.6	297.4
65°	3678.2	2858.8	496.6	250.8	216.7	253.7	309.0	326.5	301.7	284.3	280.6
67.5°	3623.0	2708.3	384.6	236.3	213.0	270.5	319.2	314.1	285.7	272.7	267.6
70°	3340.2	2395.0	305.4	223.9	209.4	260.3	314.1	299.6	272.7	261.0	253.0
72.5°	2733.1	1894.0	261.7	210.1	194.1	239.2	298.1	279.9	261.0	245.7	238.5
75°	1767.5	1164.8	227.6	194.1	173.8	216.7	277.7	261.0	245.0	229.8	222.5
77.5°	850.7	529.3	199.2	174.5	154.9	199.9	261.0	241.4	225.4	210.1	201.4
80°	358.4	250.1	170.1	154.9	141.1	187.6	242.8	220.3	202.1	191.2	181.8
82.5°	174.5	138.1	129.4	125.8	122.9	170.9	223.2	195.6	176.7	166.5	145.4
85°	58.9	59.6	80.0	77.8	86.5	136.7	182.5	148.3	132.3	114.9	107.6
87.5°	5.8	8.0	10.9	13.8	28.4	37.8	62.5	50.9	40.0	15.3	10.2
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)