

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: P415070

Luminaire Tested: **LXF.LXT-PA1-40-730-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415070
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-PA1-40-730-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4598 lumens
Efficiency: N/A
Efficacy: 114.9 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

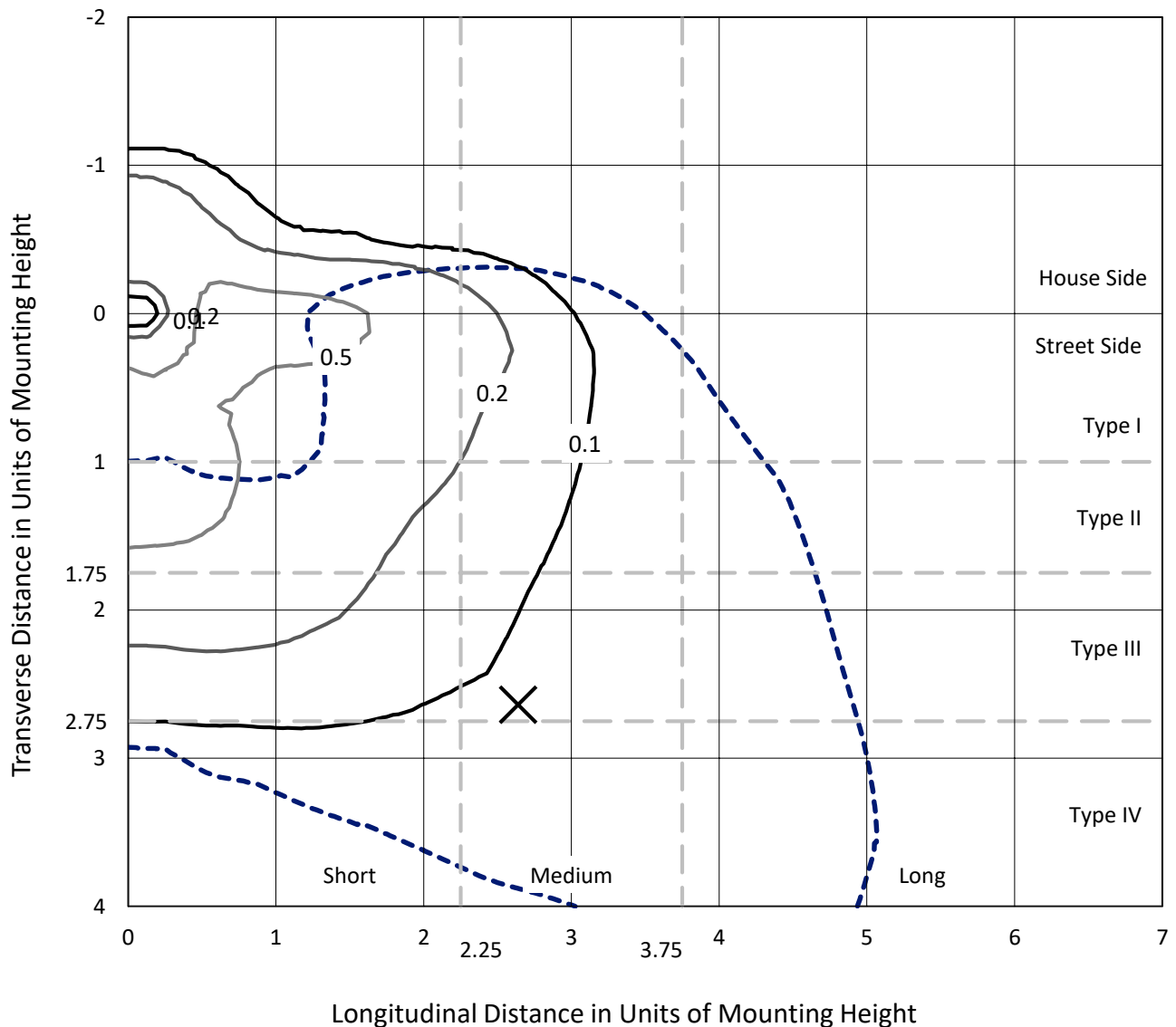
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

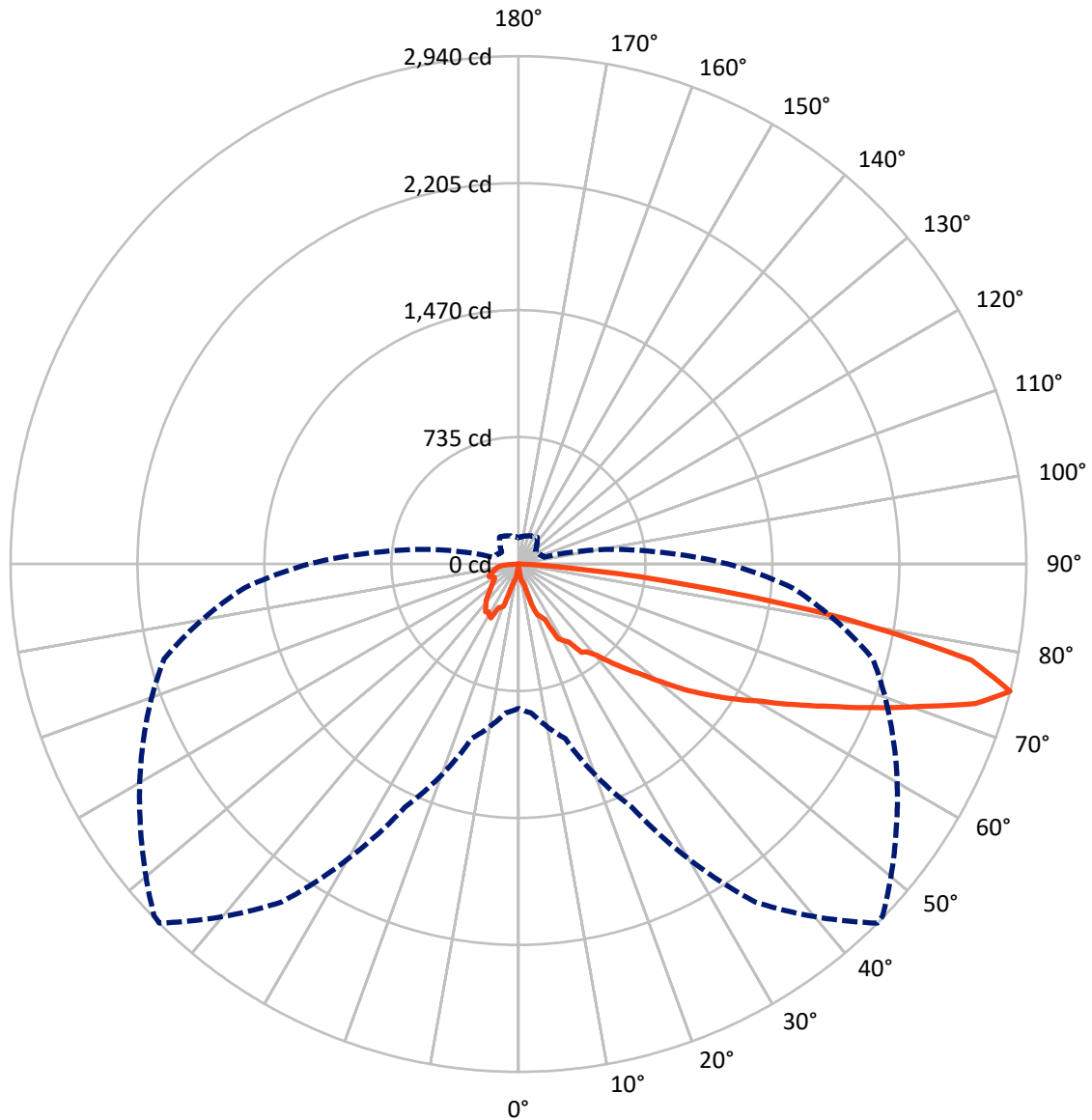
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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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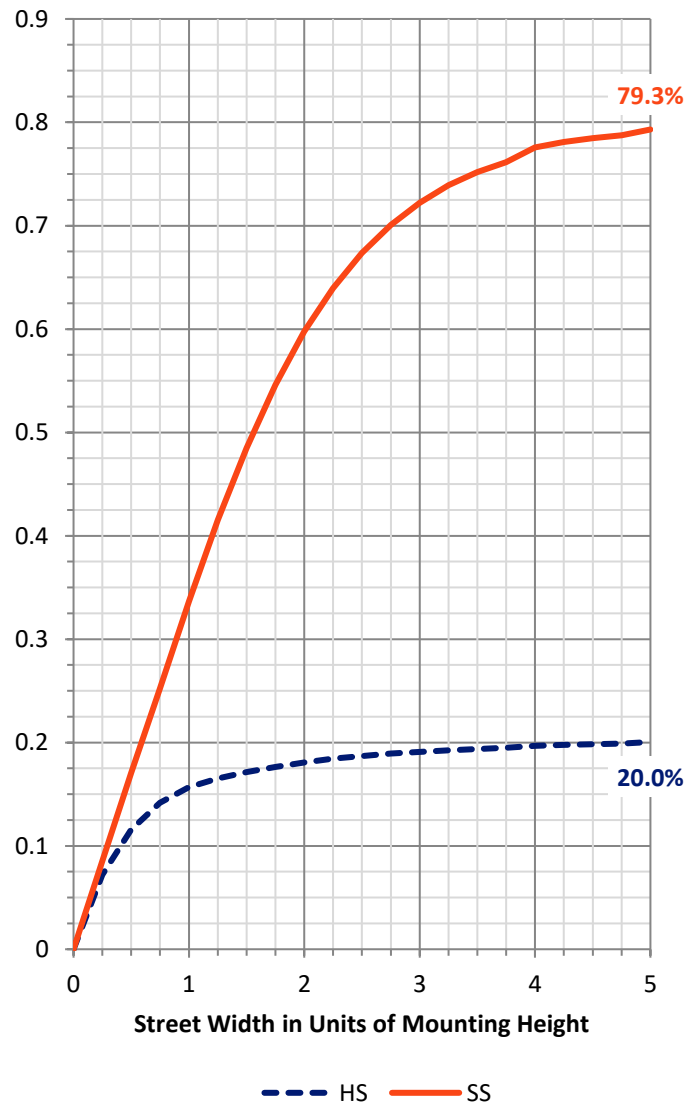
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	943.1	0.0	943.1
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	3654.9	0.0	3654.9
	% Fixture	79.5	0.0	79.5
Total	Lumens	4598.0	0.0	4598.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.1
10°-20°	47.5	1.0
20°-30°	176.7	3.8
30°-40°	364.0	7.9
40°-50°	577.2	12.6
50°-60°	912.4	19.8
60°-70°	1281.9	27.9
70°-80°	1067.1	23.2
80°-90°	168.3	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°	4598.0	100.0
0°-180°	4598.0	100.0



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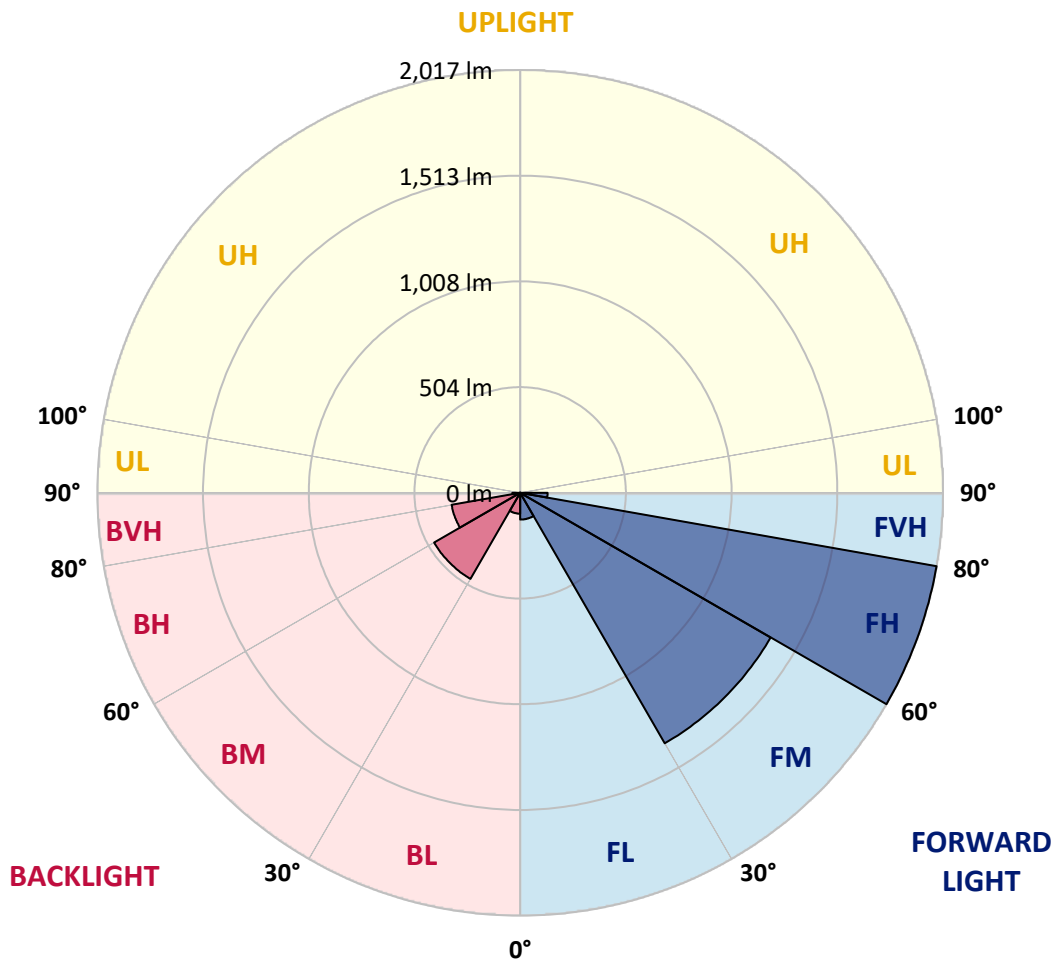
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	127.7	2.8			
FM	(30°-60°)	1379.6	30.0			
FH	(60°-80°)	2017.0	43.9			G2/5000
FVH	(80°-90°)	130.7	2.8			G2/225
BL	(0°-30°)	99.5	2.2	B0/110		
BM	(30°-60°)	474.0	10.3	B1/1000		
BH	(60°-80°)	332.0	7.2	B1/500		G1/500
BVH	(80°-90°)	37.6	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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	2.5	2.5	2.5	2.5	2.5	2.0	2.0	1.5	2.0	2.0	2.0
5°	35.4	33.4	26.4	23.4	19.4	8.0	6.5	3.0	2.5	2.5	2.0
7.5°	105.2	104.2	102.7	99.2	94.7	59.3	51.4	18.5	3.5	2.5	2.0
10°	116.2	114.2	111.7	108.2	104.2	99.2	98.7	90.8	16.5	5.5	4.5
12.5°	228.4	224.4	187.5	135.6	112.2	106.2	106.2	102.7	74.3	25.9	60.8
15°	245.3	243.3	236.4	227.4	213.9	123.2	120.7	160.6	198.0	138.6	147.1
17.5°	275.8	271.3	249.8	238.9	228.9	248.3	246.8	229.9	216.9	153.6	165.1
20°	384.5	382.0	373.0	267.3	246.3	314.2	315.2	260.8	235.9	271.8	269.8
22.5°	393.4	393.0	386.5	370.5	390.5	329.6	330.1	346.6	344.6	360.5	327.1
25°	514.6	513.1	416.4	382.0	426.4	355.1	371.0	429.9	384.0	391.0	408.4
27.5°	528.1	527.1	521.6	497.7	441.3	489.2	489.2	444.3	489.2	512.1	515.1
30°	600.4	581.4	543.0	531.6	514.1	513.6	515.1	514.6	566.0	536.1	566.0
32.5°	706.1	702.1	688.2	576.5	571.5	538.6	555.5	594.4	590.9	681.7	720.6
35°	858.7	804.4	755.0	665.2	593.4	627.3	629.8	616.4	688.2	717.1	771.9
37.5°	1071.6	1056.7	986.9	749.0	661.2	644.8	646.3	690.2	731.5	763.5	824.8
40°	1226.7	1218.7	1170.4	917.0	725.1	692.2	695.6	724.1	762.5	819.3	883.1
42.5°	1375.3	1375.3	1346.9	1060.7	862.2	772.9	770.4	776.4	803.9	863.7	969.4
45°	1472.1	1466.6	1490.5	1195.8	964.4	859.7	850.2	848.7	858.7	929.5	1085.1
47.5°	1569.3	1554.3	1577.3	1332.4	1098.1	949.5	950.5	932.0	945.5	1054.2	1243.2
50°	1672.0	1675.0	1672.0	1447.6	1229.2	1071.6	1063.2	1039.7	1066.6	1200.3	1420.2
52.5°	1818.6	1808.2	1778.7	1594.2	1396.8	1207.3	1193.8	1159.9	1223.2	1372.3	1641.6
55°	1925.4	1915.4	1907.4	1751.3	1525.4	1338.4	1330.4	1293.0	1411.7	1545.9	1870.0
57.5°	2041.5	2029.6	2052.5	1965.7	1727.4	1475.6	1465.1	1442.1	1605.2	1743.8	2102.4
60°	2119.8	2120.3	2183.2	2120.3	1895.9	1612.7	1602.7	1619.7	1782.2	1925.4	2353.2
62.5°	2119.8	2136.3	2274.4	2289.4	2076.5	1791.7	1774.3	1783.7	1974.7	2115.8	2559.2
65°	1918.9	1939.3	2261.5	2338.3	2257.5	1985.2	1976.7	1970.7	2156.7	2266.4	2720.7
67.5°	1713.9	1739.4	2065.0	2340.7	2405.6	2220.1	2189.2	2138.8	2313.8	2378.6	2807.5
70°	1571.8	1592.7	1851.6	2260.5	2501.3	2466.4	2446.0	2313.3	2419.0	2450.0	2709.8
72.5°	1340.9	1342.9	1573.3	2090.9	2565.6	2764.1	2716.2	2506.8	2478.4	2403.6	2297.9
75°	835.8	866.2	1045.7	1551.9	2388.1	2939.6	2930.7	2669.4	2393.6	2123.8	1593.2
77.5°	311.2	329.1	437.3	796.9	1708.9	2681.3	2689.3	2492.8	2024.6	1538.9	855.7
80°	101.2	108.7	144.6	256.8	759.0	1908.4	1970.7	1768.3	1241.7	781.9	360.5
82.5°	56.3	54.4	83.8	133.1	324.1	988.9	1029.7	850.2	585.4	327.1	134.6
85°	25.9	26.9	39.9	72.3	173.0	275.8	297.7	290.7	221.9	134.6	49.4
87.5°	5.5	6.5	9.0	17.0	26.9	23.4	17.0	29.9	43.4	31.9	8.5
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°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
2.5°	2.0	2.0	1.5	1.5	1.0	1.0	0.5	0.5	1.0	1.0	1.0
5°	2.0	2.0	1.5	1.5	1.5	1.5	2.0	3.5	4.0	4.5	4.0
7.5°	2.0	2.0	2.0	2.0	2.5	5.0	23.4	71.8	76.3	77.8	79.8
10°	4.5	4.0	4.0	4.5	15.5	75.3	90.8	95.7	98.2	99.7	99.2
12.5°	69.3	68.8	25.4	15.5	72.3	95.2	97.7	100.7	105.7	110.7	108.7
15°	146.6	146.1	134.6	139.6	140.6	103.7	105.7	173.0	184.5	192.0	194.5
17.5°	159.6	161.1	156.6	193.0	197.5	157.1	176.0	193.0	197.0	199.5	200.0
20°	296.2	266.3	227.9	215.9	210.4	259.3	196.5	198.5	256.3	274.8	276.8
22.5°	325.6	323.1	302.2	311.2	262.8	270.3	254.3	268.3	294.2	299.7	299.7
25°	420.4	415.9	345.1	324.1	333.6	277.8	321.1	292.2	301.7	311.7	312.7
27.5°	516.6	511.1	460.8	364.5	330.6	350.6	326.1	352.6	381.5	395.4	395.9
30°	561.5	554.0	480.7	410.9	344.1	343.1	342.6	390.0	387.5	396.4	398.9
32.5°	746.0	734.0	614.4	403.9	357.0	326.1	363.5	379.5	436.3	464.3	467.3
35°	790.9	775.9	617.4	446.8	337.1	336.1	337.1	389.5	420.4	440.3	444.8
37.5°	842.2	821.8	610.4	418.9	345.1	313.2	320.6	351.6	418.9	463.8	467.3
40°	906.1	874.7	608.4	391.0	321.6	296.2	294.7	336.1	366.0	393.4	395.9
42.5°	994.3	944.0	605.4	362.0	294.2	275.8	278.3	296.2	320.1	317.7	321.6
45°	1111.5	1030.2	600.4	336.6	266.3	250.3	248.8	261.8	272.8	256.8	252.3
47.5°	1258.1	1137.0	608.4	312.2	240.4	225.4	225.9	231.4	233.4	215.9	211.9
50°	1424.7	1257.6	616.9	285.2	219.4	207.9	205.5	207.4	204.5	187.5	186.0
52.5°	1623.2	1399.3	621.3	259.8	202.5	193.5	190.5	189.0	184.5	173.0	171.5
55°	1853.0	1569.3	630.8	239.4	188.5	180.0	178.5	176.5	175.0	168.5	167.6
57.5°	2088.4	1756.8	625.3	218.4	175.0	167.6	170.5	174.0	178.0	175.5	175.0
60°	2304.3	1906.4	557.5	200.0	162.1	160.1	173.0	189.5	192.5	195.0	194.5
62.5°	2465.9	1981.7	442.3	184.0	153.1	160.6	192.0	214.9	211.9	205.5	204.0
65°	2522.8	1960.8	340.6	172.0	148.6	174.0	211.9	223.9	206.9	195.0	192.5
67.5°	2484.9	1857.5	263.8	162.1	146.1	185.5	218.9	215.4	196.0	187.0	183.5
70°	2290.9	1642.6	209.4	153.6	143.6	178.5	215.4	205.5	187.0	179.0	173.5
72.5°	1874.5	1299.0	179.5	144.1	133.1	164.1	204.5	192.0	179.0	168.5	163.6
75°	1212.3	798.9	156.1	133.1	119.2	148.6	190.5	179.0	168.1	157.6	152.6
77.5°	583.4	363.0	136.6	119.7	106.2	137.1	179.0	165.6	154.6	144.1	138.1
80°	245.8	171.5	116.7	106.2	96.7	128.7	166.6	151.1	138.6	131.1	124.7
82.5°	119.7	94.7	88.8	86.3	84.3	117.2	153.1	134.1	121.2	114.2	99.7
85°	40.4	40.9	54.9	53.4	59.3	93.7	125.2	101.7	90.8	78.8	73.8
87.5°	4.0	5.5	7.5	9.5	19.4	25.9	42.9	34.9	27.4	10.5	7.0
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)