

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: P415217

Luminaire Tested: **LXF.LXT-PA1-40-760-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415217
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-760-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5086 lumens
Efficiency: N/A
Efficacy: 127.2 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 (A_{in}): 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

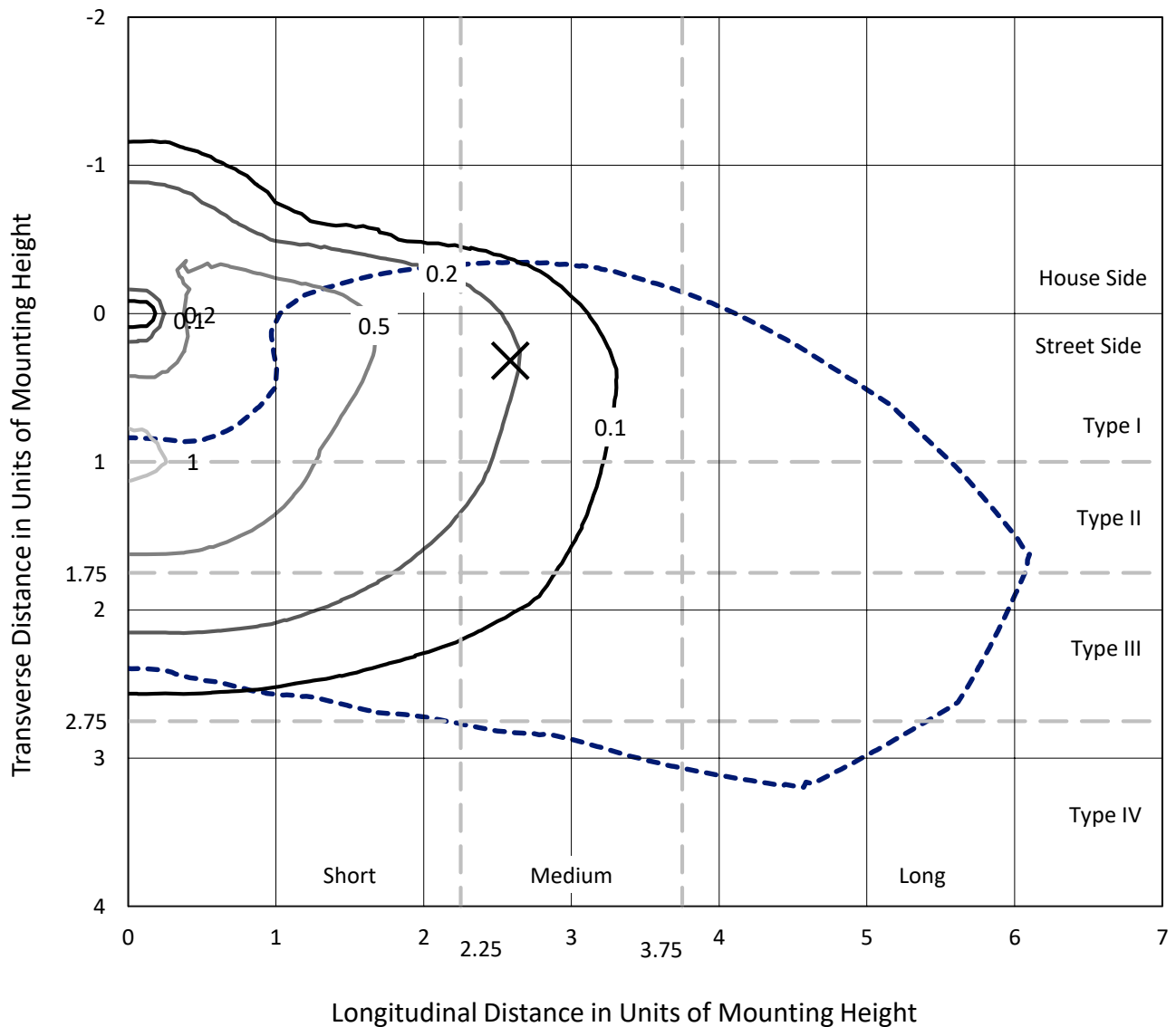


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

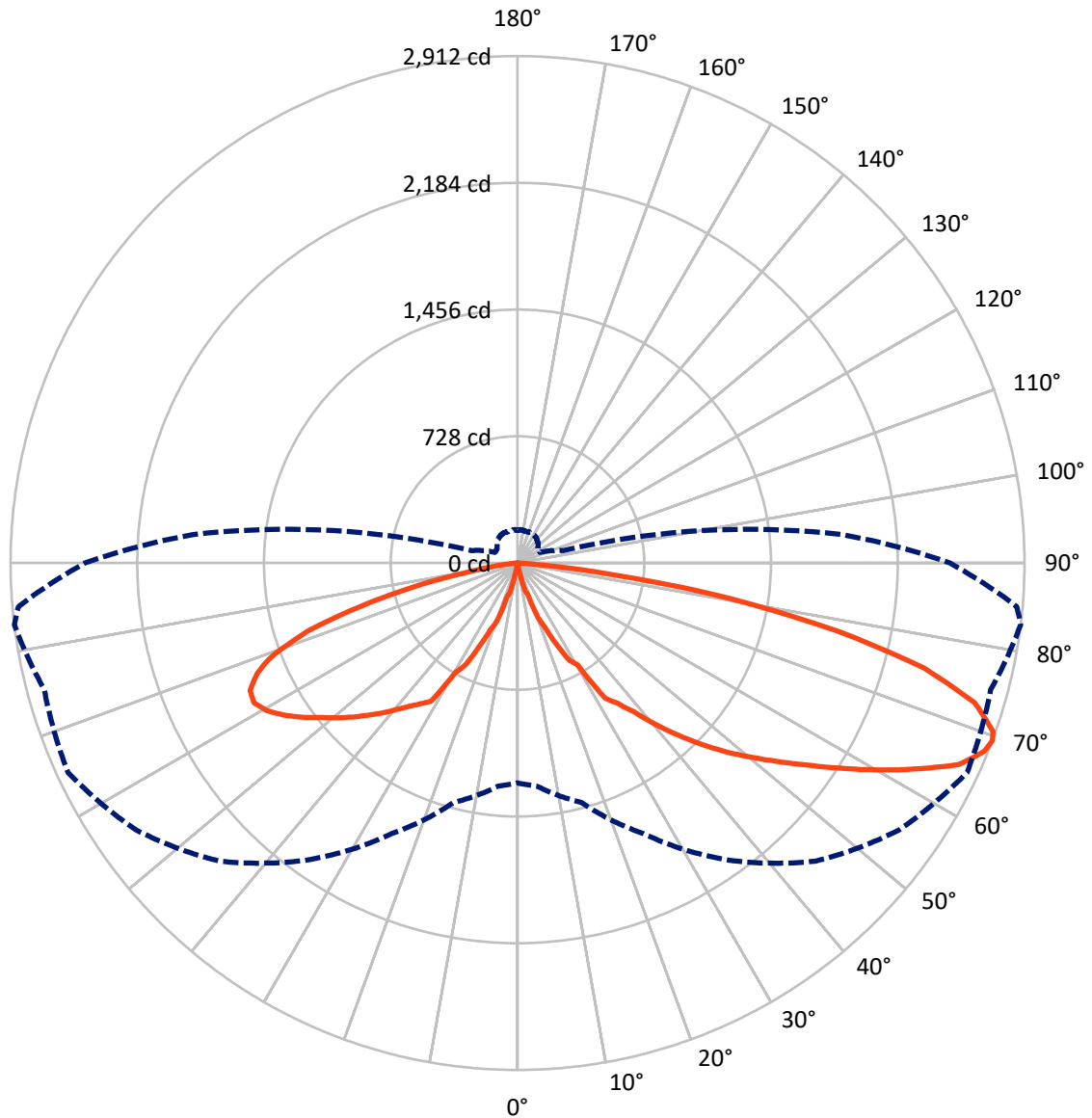


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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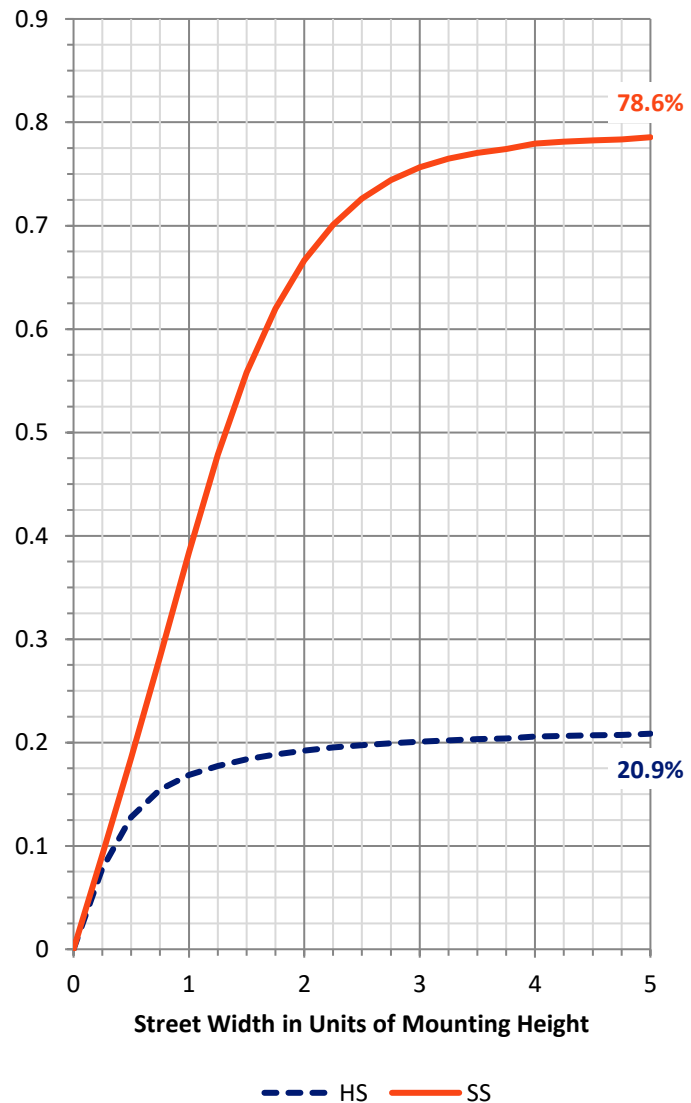
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1078.8	0.0	1078.8
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	4007.2	0.0	4007.2
	% Fixture	78.8	0.0	78.8
Total	Lumens	5086.0	0.0	5086.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.3	0.1
10°-20°	51.7	1.0
20°-30°	204.0	4.0
30°-40°	453.9	8.9
40°-50°	770.7	15.2
50°-60°	1148.5	22.6
60°-70°	1352.6	26.6
70°-80°	946.8	18.6
80°-90°	154.6	3.0
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°	5086.0	100.0
0°-180°	5086.0	100.0



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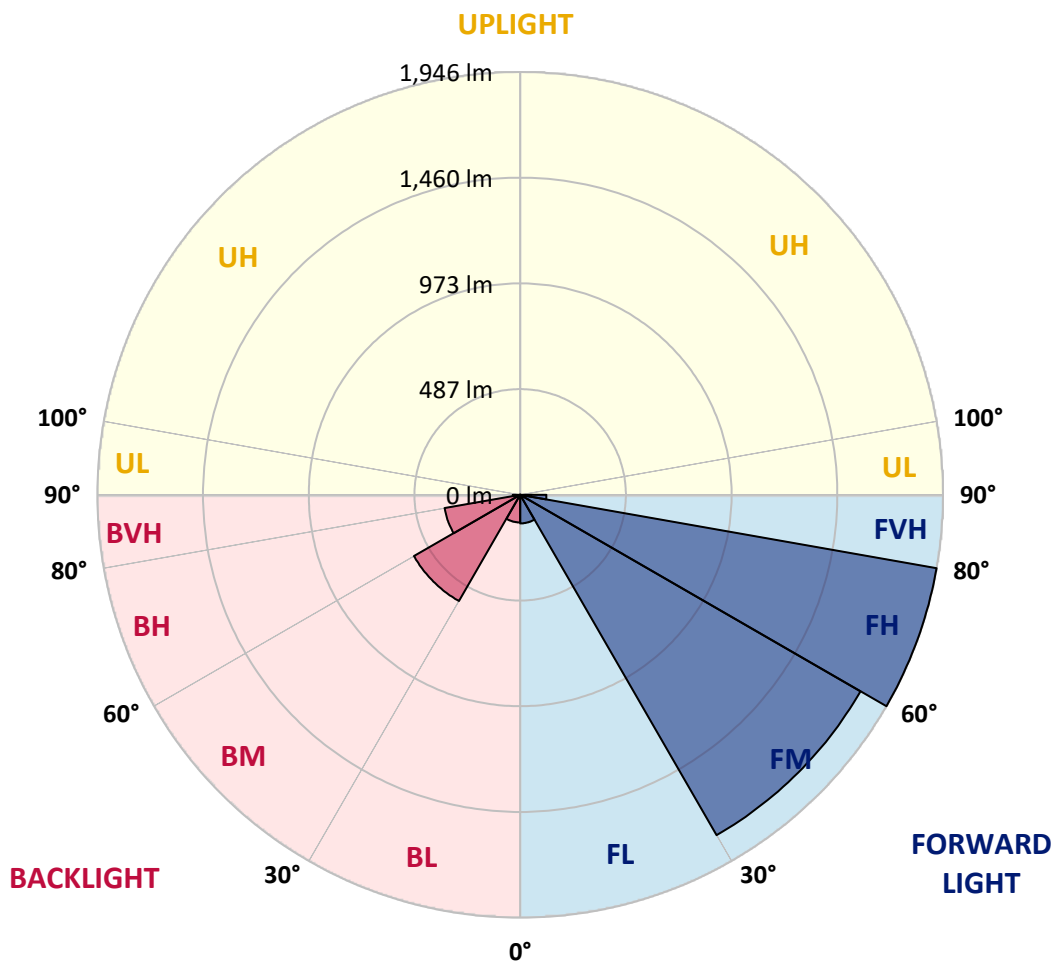
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	131.7	2.6			
FM	(30°-60°)	1808.7	35.6			
FH	(60°-80°)	1946.1	38.3			G2/5000
FVH	(80°-90°)	120.8	2.4			G2/225
BL	(0°-30°)	127.2	2.5	B1/500		
BM	(30°-60°)	564.5	11.1	B1/1000		
BH	(60°-80°)	353.3	6.9	B1/500		G1/500
BVH	(80°-90°)	33.7	0.7			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°	55°	65°	75°	83°	85°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	2.7	2.2	2.7	3.3	3.3	2.7	2.2	2.2	2.2	2.2	1.6
5°	44.4	32.3	29.0	25.7	15.3	5.5	3.3	2.2	2.2	2.2	2.2
7.5°	93.6	93.6	93.6	94.2	93.6	69.5	16.4	3.8	2.2	2.2	2.2
10°	94.7	94.2	93.6	94.2	95.3	95.8	92.5	13.1	5.5	4.9	4.9
12.5°	171.4	170.3	164.3	115.0	97.5	98.0	100.2	72.3	26.3	69.5	81.0
15°	181.8	180.7	180.7	181.2	171.9	106.8	150.6	197.1	140.2	167.5	170.3
17.5°	203.7	197.7	192.7	189.4	190.5	212.4	213.5	217.9	163.2	187.8	191.1
20°	312.1	309.9	292.4	223.9	209.2	276.0	245.8	242.0	305.5	331.8	337.3
22.5°	356.4	354.3	341.7	329.6	343.9	300.6	349.9	360.8	413.9	398.1	403.0
25°	484.0	482.4	412.3	381.6	419.4	345.5	432.0	413.4	457.2	509.8	515.2
27.5°	592.4	588.6	574.4	514.7	468.1	518.0	478.0	552.5	620.9	629.7	646.1
30°	703.6	678.4	634.6	636.8	576.6	571.1	569.4	663.1	665.3	678.9	706.9
32.5°	885.4	873.9	837.2	723.8	710.7	634.6	700.8	706.9	868.9	925.9	931.4
35°	1031.0	981.7	947.2	883.2	783.5	808.2	780.8	889.2	953.3	989.9	1012.4
37.5°	1263.2	1269.7	1213.3	980.1	917.7	889.2	936.8	995.4	1075.4	1084.1	1118.1
40°	1430.2	1425.8	1349.7	1177.7	1038.1	1009.1	1040.9	1098.4	1206.8	1217.7	1225.9
42.5°	1673.3	1651.9	1545.7	1352.4	1223.2	1161.9	1170.6	1194.7	1303.1	1351.9	1342.0
45°	1898.3	1884.1	1776.7	1538.6	1398.4	1326.7	1313.5	1292.2	1422.5	1487.7	1469.6
47.5°	2074.6	2049.4	1988.1	1745.5	1637.7	1515.6	1449.9	1411.0	1540.8	1624.0	1598.8
50°	2263.5	2225.2	2169.9	1950.9	1844.6	1735.7	1591.1	1542.4	1673.8	1756.5	1736.2
52.5°	2388.9	2329.2	2294.7	2133.7	2035.7	1940.5	1728.6	1695.7	1820.0	1899.4	1895.0
55°	2325.9	2323.7	2358.8	2256.9	2161.7	2060.9	1871.5	1869.8	1972.8	2054.3	2058.2
57.5°	2216.4	2227.9	2327.6	2342.9	2302.4	2184.1	2048.3	2064.8	2152.4	2227.9	2236.1
60°	2076.8	2108.6	2252.0	2333.0	2365.3	2306.8	2218.6	2243.8	2348.4	2413.5	2411.3
62.5°	1892.3	1918.0	2096.5	2279.9	2345.6	2400.9	2375.8	2456.8	2539.5	2600.8	2616.7
65°	1674.4	1684.8	1878.0	2125.5	2295.3	2449.1	2507.2	2654.4	2694.4	2788.6	2791.9
67.5°	1432.9	1436.2	1604.3	1899.4	2185.8	2445.3	2618.9	2800.6	2790.2	2890.4	2882.8
69°	1263.2	1286.7	1424.7	1715.4	2079.5	2421.7	2674.2	2848.8	2813.8	2911.8	2878.4
70°	1143.8	1142.2	1299.8	1559.4	1985.9	2391.6	2709.2	2861.4	2814.3	2897.0	2846.6
72.5°	728.8	739.7	876.1	1106.6	1600.4	2217.5	2752.5	2828.0	2754.1	2745.9	2638.0
75°	322.0	292.4	377.8	585.9	1006.4	1724.7	2648.4	2677.4	2582.7	2413.5	2228.5
77.5°	112.8	117.2	142.4	238.2	484.6	1027.7	2195.1	2355.5	2281.0	1874.2	1667.8
80°	80.5	81.0	95.3	133.1	234.9	362.5	1397.3	1703.9	1755.4	1235.8	1062.2
82.5°	56.9	56.9	70.6	84.9	162.6	162.1	601.2	937.4	1001.4	548.1	410.1
85°	47.6	48.7	54.2	49.3	95.3	82.7	148.4	289.1	237.1	66.8	58.6
87.5°	7.1	6.6	18.6	16.4	14.2	12.0	16.4	18.6	12.6	9.9	7.1
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	2.2	2.2	2.2	2.2	1.6	1.1	1.1	1.1	1.6	1.6	1.6
5°	2.2	2.2	2.2	2.2	2.2	2.2	2.7	3.8	4.4	4.9	4.9
7.5°	2.2	2.2	2.2	2.7	3.3	4.9	26.8	93.1	101.8	106.2	109.0
10°	4.4	4.9	4.9	4.9	12.0	102.9	122.6	127.0	131.4	133.6	133.1
12.5°	84.9	87.6	21.9	15.9	95.8	128.7	132.5	136.9	141.3	144.5	144.0
15°	174.7	179.0	171.9	177.9	188.9	139.6	142.9	242.0	262.3	266.1	266.6
17.5°	194.9	198.2	201.5	262.3	268.8	207.0	247.5	265.6	267.7	268.8	269.4
20°	371.2	369.6	299.0	287.5	284.7	359.2	262.8	267.7	320.3	364.7	366.8
22.5°	409.6	414.5	394.8	422.1	374.0	363.6	331.3	354.8	374.5	374.0	372.3
25°	531.1	537.7	452.8	439.1	448.4	361.4	413.4	354.3	359.7	360.3	363.6
27.5°	664.2	665.8	628.6	494.4	441.3	447.3	389.3	377.3	421.6	424.3	424.3
30°	723.3	733.7	664.2	572.7	457.2	422.7	377.3	411.2	391.5	394.8	394.8
32.5°	960.9	952.7	867.3	567.2	473.6	388.7	394.2	381.1	422.1	433.1	434.2
35°	1023.3	1006.4	872.2	634.0	441.9	397.0	360.3	387.1	387.1	386.6	383.8
37.5°	1100.5	1071.0	861.8	587.0	444.6	362.5	347.7	348.2	380.0	387.1	382.2
40°	1192.0	1147.6	860.2	548.1	403.0	343.3	319.2	335.1	334.5	325.2	319.8
42.5°	1291.1	1232.5	856.3	502.1	361.9	322.0	301.1	296.2	299.0	282.0	280.3
45°	1407.2	1320.1	845.4	461.6	329.1	299.0	275.4	267.7	268.8	255.7	252.4
47.5°	1530.4	1410.4	842.7	429.8	301.7	276.0	256.8	246.9	250.8	236.0	232.7
50°	1667.8	1503.5	833.3	400.2	271.6	254.6	240.4	228.9	229.4	217.9	215.2
52.5°	1817.3	1593.9	822.9	359.7	244.2	236.5	228.3	219.6	229.4	214.1	210.8
55°	1970.6	1703.9	809.3	312.6	219.6	222.8	214.6	221.2	235.4	211.3	207.0
57.5°	2140.9	1807.4	783.5	261.2	199.9	207.5	213.0	221.8	233.2	210.8	202.6
60°	2302.4	1907.1	722.2	220.7	182.9	194.9	209.7	218.5	217.4	207.0	201.5
62.5°	2466.6	1989.2	608.9	189.4	168.6	188.9	204.8	208.6	203.7	199.9	196.6
65°	2557.0	2009.5	472.0	168.6	157.1	180.7	198.8	202.0	194.9	194.9	192.2
67.5°	2542.2	1944.3	348.2	151.7	147.3	172.5	188.4	196.0	191.1	194.9	190.5
69°	2483.1	1869.8	273.8	142.9	142.4	165.9	182.3	191.1	187.3	192.7	187.3
70°	2413.5	1794.8	242.0	138.0	137.4	161.0	178.5	187.3	182.9	187.3	182.3
72.5°	2146.9	1540.2	173.6	124.3	125.9	151.1	169.2	175.8	171.9	173.0	166.5
75°	1716.5	1144.9	137.4	112.8	114.4	139.6	158.8	162.6	159.9	155.0	151.1
77.5°	1206.8	738.1	112.8	102.4	102.9	125.9	147.8	147.3	142.9	138.0	133.1
80°	658.1	347.1	95.8	89.8	91.4	112.2	132.0	130.3	124.8	119.9	113.9
82.5°	284.7	140.2	74.5	71.7	76.7	94.2	113.3	109.0	104.0	106.2	82.7
85°	50.9	48.2	43.3	46.0	52.0	66.8	79.9	76.1	73.4	62.4	57.5
87.5°	4.4	6.6	6.6	8.2	11.5	12.6	22.4	16.4	17.0	6.6	3.3
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)