

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: P694900

Luminaire Tested: **LXF.LXT-PA16-30-750-U-T2U**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694900
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-750-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3887 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

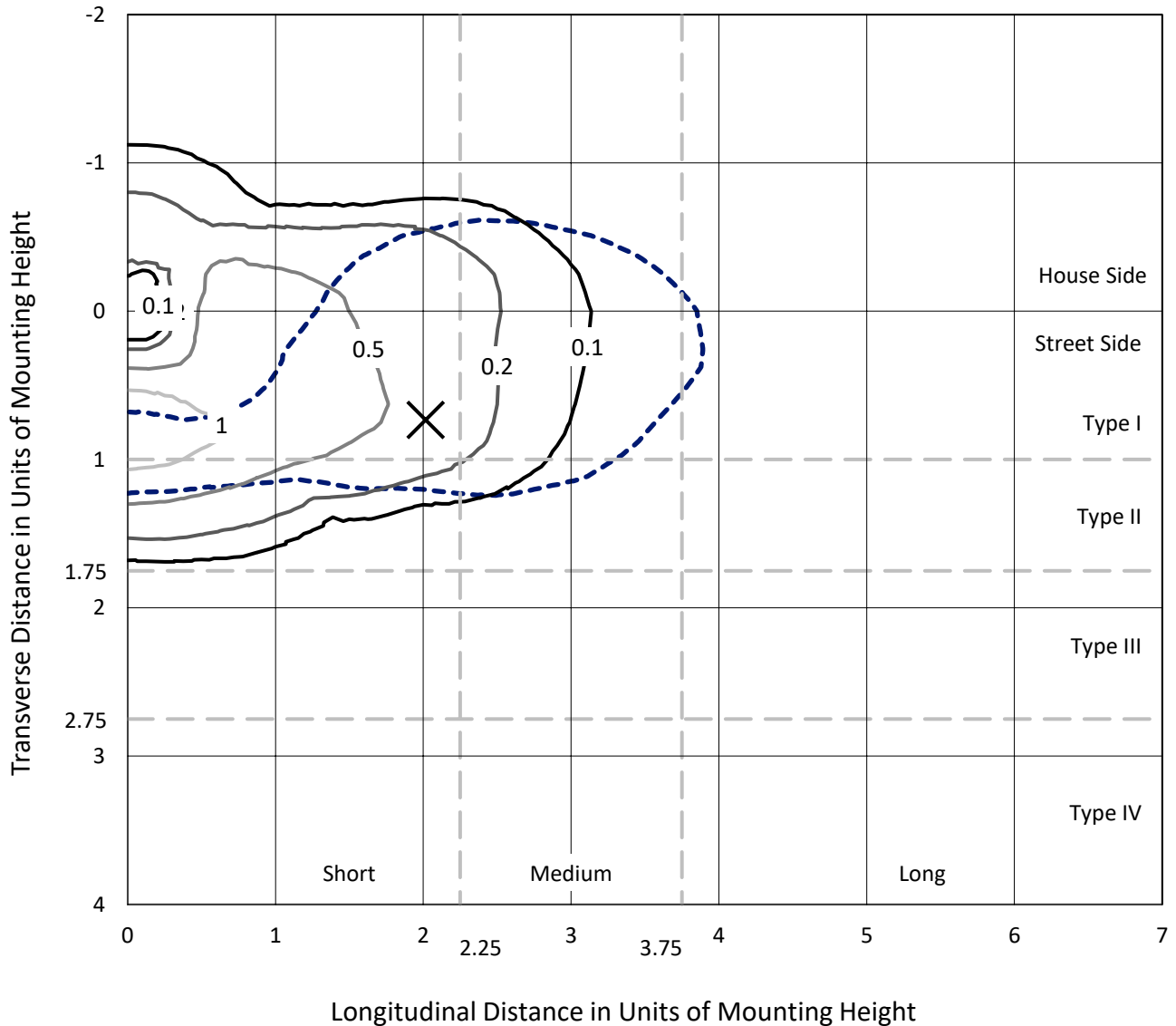
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P694900
 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

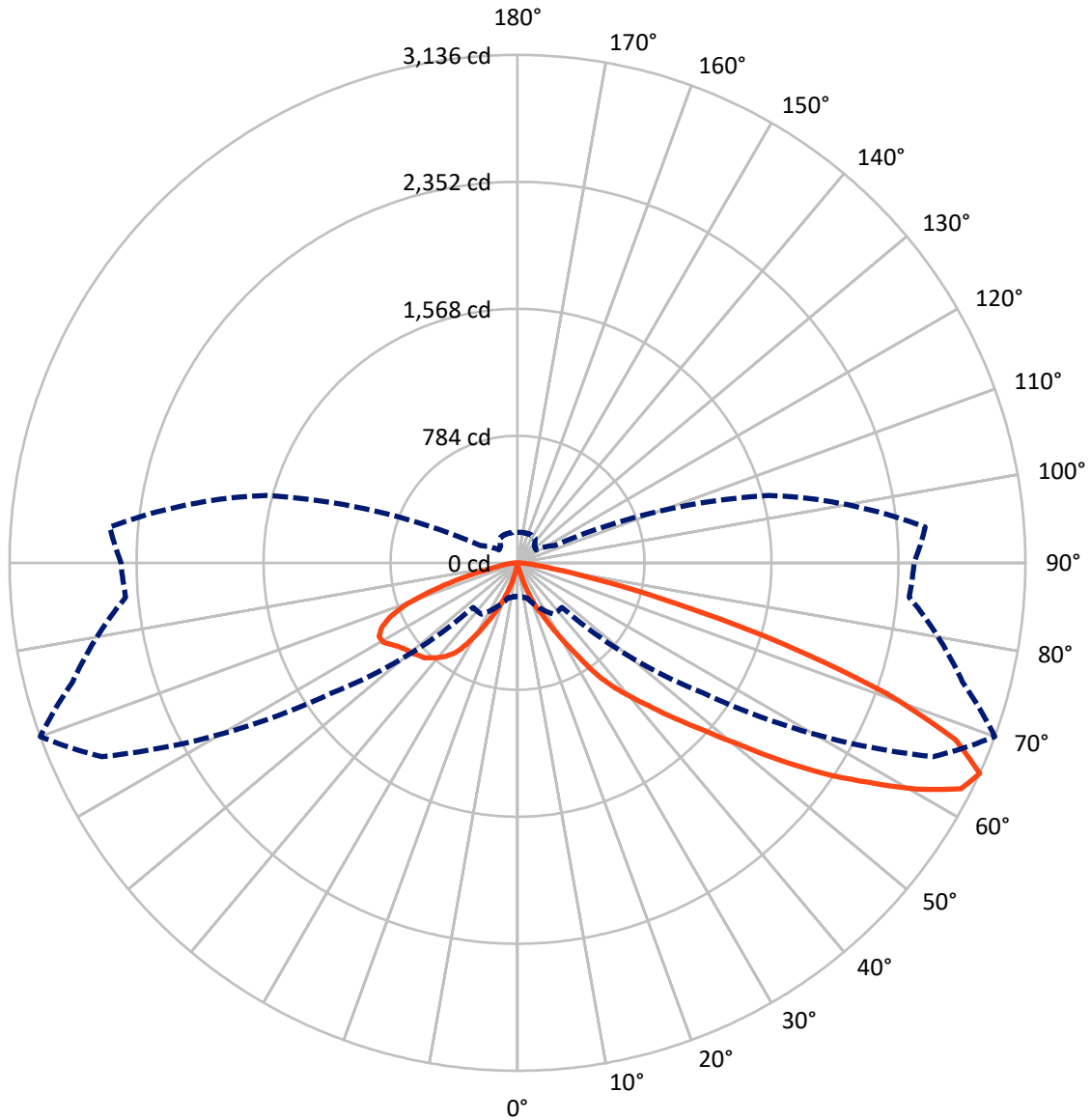
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type II - Short - N/A

REPORT NUMBER: P694900
CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T2U

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P694900
 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T2U

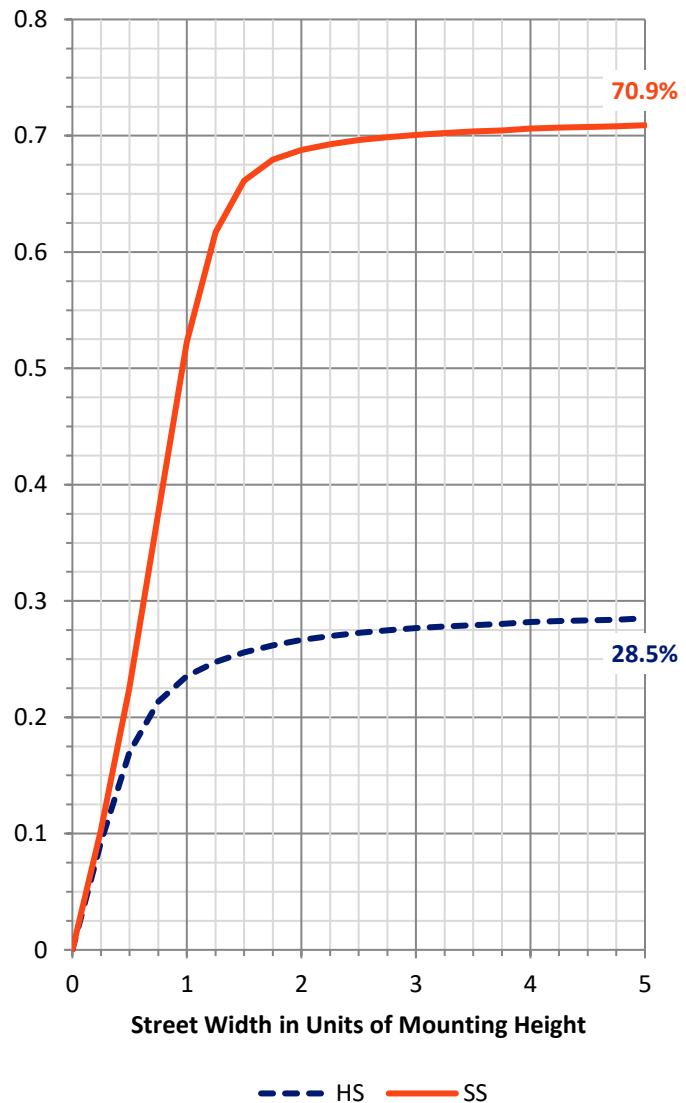
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1122.9	0.0	1122.9
	% Fixture	28.9	0.0	28.9
Street Side	Lumens	2764.1	0.0	2764.1
	% Fixture	71.1	0.0	71.1
Total	Lumens	3887.0	0.0	3887.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	28.5	0.7
20°-30°	179.2	4.6
30°-40°	476.6	12.3
40°-50°	815.7	21.0
50°-60°	998.0	25.7
60°-70°	896.1	23.1
70°-80°	441.4	11.4
80°-90°	51.4	1.3
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°	3887.0	100.0
0°-180°	3887.0	100.0

Coefficient of Utilization



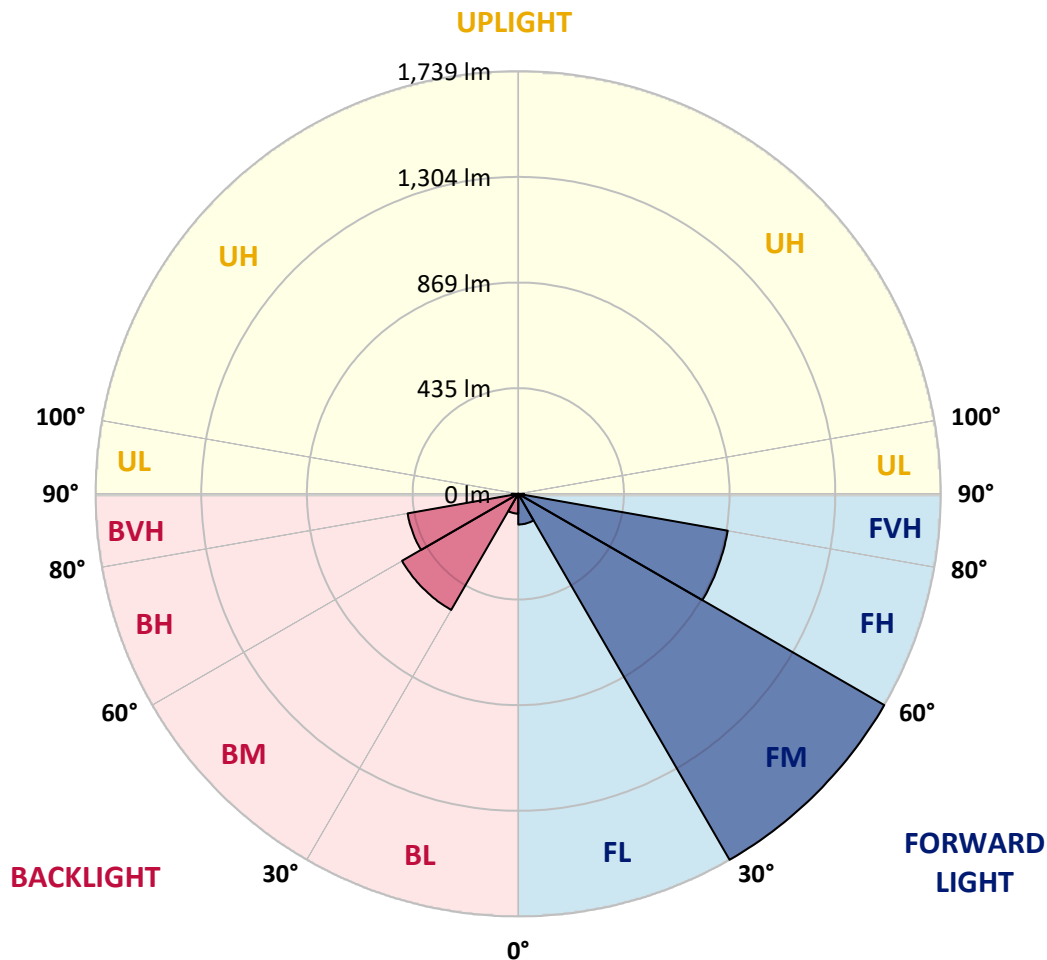
REPORT NUMBER: P694900
 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	126.2	3.2			
FM (30°-60°)	1738.5	44.7			
FH (60°-80°)	875.2	22.5			G1/1800
FVH (80°-90°)	24.2	0.6			G1/100
BL (0°-30°)	81.6	2.1	B0/110		
BM (30°-60°)	551.8	14.2	B1/1000		
BH (60°-80°)	462.3	11.9	B1/500		G1/500
BVH (80°-90°)	27.2	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-G1

Type II Short



REPORT NUMBER: P694900
 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0
5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
7.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
10°	9.1	9.1	7.8	5.2	2.6	1.3	1.3	2.6	2.6	2.6	3.9
12.5°	116.5	117.8	113.9	78.9	15.5	5.2	5.2	15.5	40.1	54.4	60.8
15°	133.3	133.3	130.7	128.1	122.9	27.2	49.2	75.1	78.9	112.6	125.5
17.5°	182.5	173.4	154.0	144.9	139.8	148.8	110.0	139.8	143.7	146.2	155.3
20°	346.8	340.4	328.7	273.1	192.8	212.2	201.9	179.9	216.1	225.2	229.1
22.5°	414.1	407.7	396.0	370.1	339.1	245.9	273.1	249.8	301.5	314.5	311.9
25°	701.4	697.6	594.0	442.6	441.3	385.7	359.8	337.8	352.0	396.0	416.7
27.5°	810.2	808.9	776.5	700.2	513.8	473.7	431.0	459.4	449.1	503.4	520.3
30°	1158.3	1089.7	968.0	803.7	722.2	577.2	583.7	600.5	557.8	591.4	634.1
32.5°	1427.5	1415.8	1340.8	1071.6	832.2	711.8	711.8	718.3	688.5	714.4	762.3
35°	1672.1	1648.8	1532.3	1274.8	1056.1	864.5	825.7	861.9	854.2	854.2	825.7
37.5°	1827.4	1822.2	1731.6	1467.6	1221.7	991.3	960.3	979.7	981.0	984.9	900.7
40°	1974.9	1962.0	1906.3	1642.3	1435.2	1151.8	1091.0	1122.1	1094.9	1113.0	996.5
42.5°	2051.3	2034.4	2002.1	1823.5	1670.8	1446.9	1269.6	1250.2	1223.0	1243.7	1111.7
45°	2060.3	2022.8	2031.9	1933.5	1863.6	1703.1	1448.2	1384.8	1374.4	1387.4	1245.0
47.5°	1933.5	1896.0	1959.4	1933.5	1974.9	1888.2	1686.3	1566.0	1544.0	1551.7	1383.5
50°	1641.0	1637.1	1726.4	1818.3	1991.7	2016.3	1981.4	1762.7	1751.0	1745.8	1541.4
52.5°	1355.0	1338.2	1417.1	1555.6	1845.5	2011.2	2222.1	2013.7	2018.9	1959.4	1699.3
55°	1032.8	1052.2	1131.1	1242.4	1528.4	1906.3	2409.8	2341.2	2298.5	2165.2	1855.9
57.5°	630.3	692.4	819.2	933.1	1221.7	1638.4	2430.5	2627.2	2558.6	2373.5	2016.3
60°	367.5	368.8	468.5	662.6	881.3	1173.8	2293.3	2875.7	2838.1	2593.5	2179.4
62.5°	257.5	262.7	291.2	456.8	551.3	729.9	1945.2	2983.1	3072.4	2755.3	2342.5
65°	208.4	208.4	223.9	299.0	388.3	388.3	1400.3	2831.7	3135.8	2844.6	2427.9
67.5°	195.4	195.4	203.2	218.7	300.2	256.2	683.3	2448.6	2917.1	2796.7	2439.5
70°	173.4	173.4	189.0	195.4	234.2	196.7	293.8	1840.3	2420.1	2548.2	2360.6
72.5°	146.2	148.8	161.8	185.1	183.8	155.3	199.3	1114.3	1714.8	2016.3	2169.0
75°	120.4	122.9	132.0	151.4	169.5	117.8	159.2	550.0	1026.3	1347.2	1739.4
77.5°	94.5	93.2	106.1	122.9	138.5	90.6	116.5	239.4	511.2	762.3	1040.5
80°	63.4	63.4	76.4	93.2	95.8	85.4	80.2	150.1	213.5	313.2	414.1
82.5°	40.1	41.4	49.2	58.2	66.0	72.5	58.2	91.9	111.3	126.8	119.1
85°	9.1	7.8	12.9	16.8	24.6	25.9	28.5	31.1	38.8	41.4	36.2
87.5°	0.0	0.0	1.3	1.3	1.3	2.6	2.6	5.2	5.2	6.5	6.5
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: P694900
 CATALOG NUMBER: LXF.LXT-PA16-30-750-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	0.0	0.0
7.5°	0.0	0.0	1.3	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
10°	3.9	3.9	2.6	1.3	1.3	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	63.4	62.1	58.2	18.1	5.2	1.3	0.0	1.3	2.6	3.9	5.2
15°	126.8	125.5	119.1	80.2	67.3	9.1	3.9	18.1	82.8	115.2	119.1
17.5°	155.3	156.6	150.1	147.5	107.4	68.6	72.5	135.9	142.4	144.9	144.9
20°	229.1	227.8	223.9	200.6	150.1	134.6	173.4	148.8	154.0	159.2	161.8
22.5°	310.6	308.0	302.8	242.0	211.0	214.8	189.0	200.6	269.2	273.1	274.4
25°	407.7	398.6	370.1	315.8	304.1	261.4	278.2	258.8	264.0	265.3	264.0
27.5°	506.0	495.7	429.7	397.3	362.4	274.4	286.0	264.0	296.4	330.0	330.0
30°	609.6	590.1	513.8	484.0	410.3	330.0	279.5	292.5	299.0	297.7	297.7
32.5°	724.7	688.5	588.9	590.1	438.7	328.7	288.6	266.6	280.8	330.0	331.3
35°	785.6	739.0	682.0	658.7	473.7	302.8	256.2	277.0	301.5	304.1	302.8
37.5°	846.4	785.6	720.9	715.7	455.6	275.7	251.1	262.7	273.1	269.2	269.2
40°	927.9	856.7	794.6	718.3	425.8	249.8	240.7	247.2	248.5	244.6	244.6
42.5°	1030.2	947.3	883.9	696.3	371.4	233.0	230.4	234.2	236.8	231.7	230.4
45°	1150.5	1053.5	973.2	670.4	302.8	223.9	225.2	225.2	229.1	223.9	222.6
47.5°	1287.7	1186.8	1036.6	636.7	256.2	216.1	221.3	218.7	221.3	214.8	213.5
50°	1441.7	1327.8	1124.6	590.1	231.7	205.8	218.7	211.0	213.5	209.7	209.7
52.5°	1585.4	1487.0	1210.1	533.2	212.2	198.0	209.7	209.7	212.2	208.4	207.1
55°	1743.3	1660.4	1311.0	476.3	192.8	191.5	208.4	211.0	209.7	205.8	205.8
57.5°	1906.3	1864.9	1411.9	442.6	176.0	179.9	207.1	212.2	208.4	204.5	203.2
60°	2096.6	2121.2	1511.6	415.4	160.5	168.2	203.2	207.1	204.5	200.6	200.6
62.5°	2297.2	2381.3	1589.3	346.8	150.1	157.9	195.4	200.6	196.7	195.4	195.4
65°	2448.6	2527.5	1606.1	252.4	139.8	147.5	187.7	191.5	190.2	189.0	189.0
67.5°	2512.0	2534.0	1527.1	179.9	129.4	138.5	178.6	183.8	179.9	182.5	181.2
70°	2478.4	2365.8	1309.7	148.8	119.1	126.8	166.9	170.8	168.2	174.7	172.1
72.5°	2209.2	1978.8	977.1	125.5	110.0	115.2	154.0	156.6	155.3	157.9	152.7
75°	1676.0	1405.5	610.9	111.3	99.7	102.2	137.2	142.4	138.5	137.2	132.0
77.5°	966.8	847.7	305.4	100.9	89.3	88.0	120.4	124.2	121.7	113.9	116.5
80°	358.5	296.4	137.2	88.0	77.7	73.8	99.7	103.5	100.9	93.2	93.2
82.5°	103.5	95.8	84.1	72.5	67.3	58.2	80.2	84.1	82.8	78.9	73.8
85°	32.4	33.6	42.7	46.6	49.2	41.4	60.8	60.8	55.6	50.5	41.4
87.5°	3.9	6.5	7.8	12.9	15.5	11.6	15.5	16.8	15.5	10.4	10.4
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)