

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: P694820

Luminaire Tested: **LXF.LXT-PA16-30-730-U-T4W**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694820
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-21)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-730-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3453 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

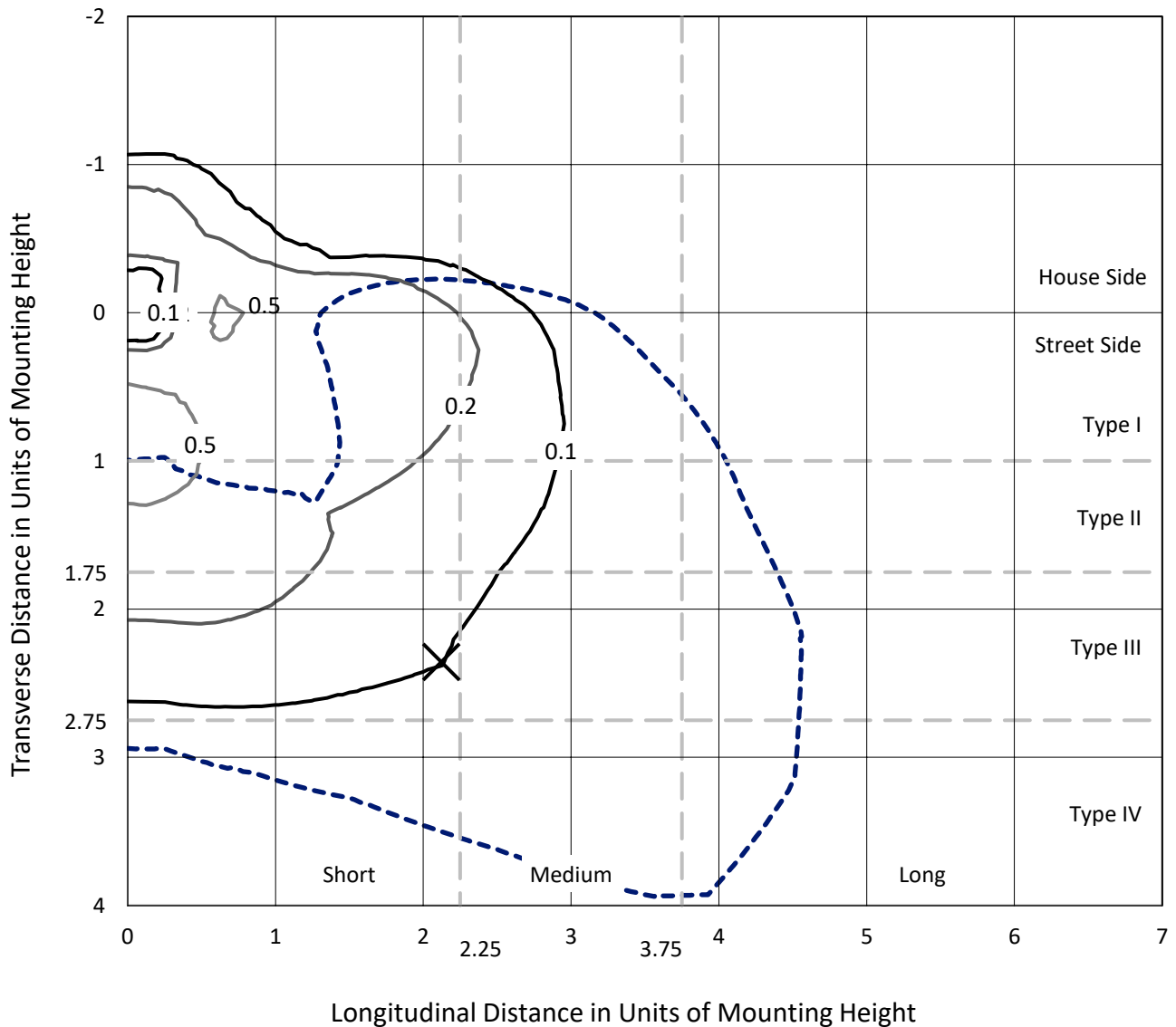
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

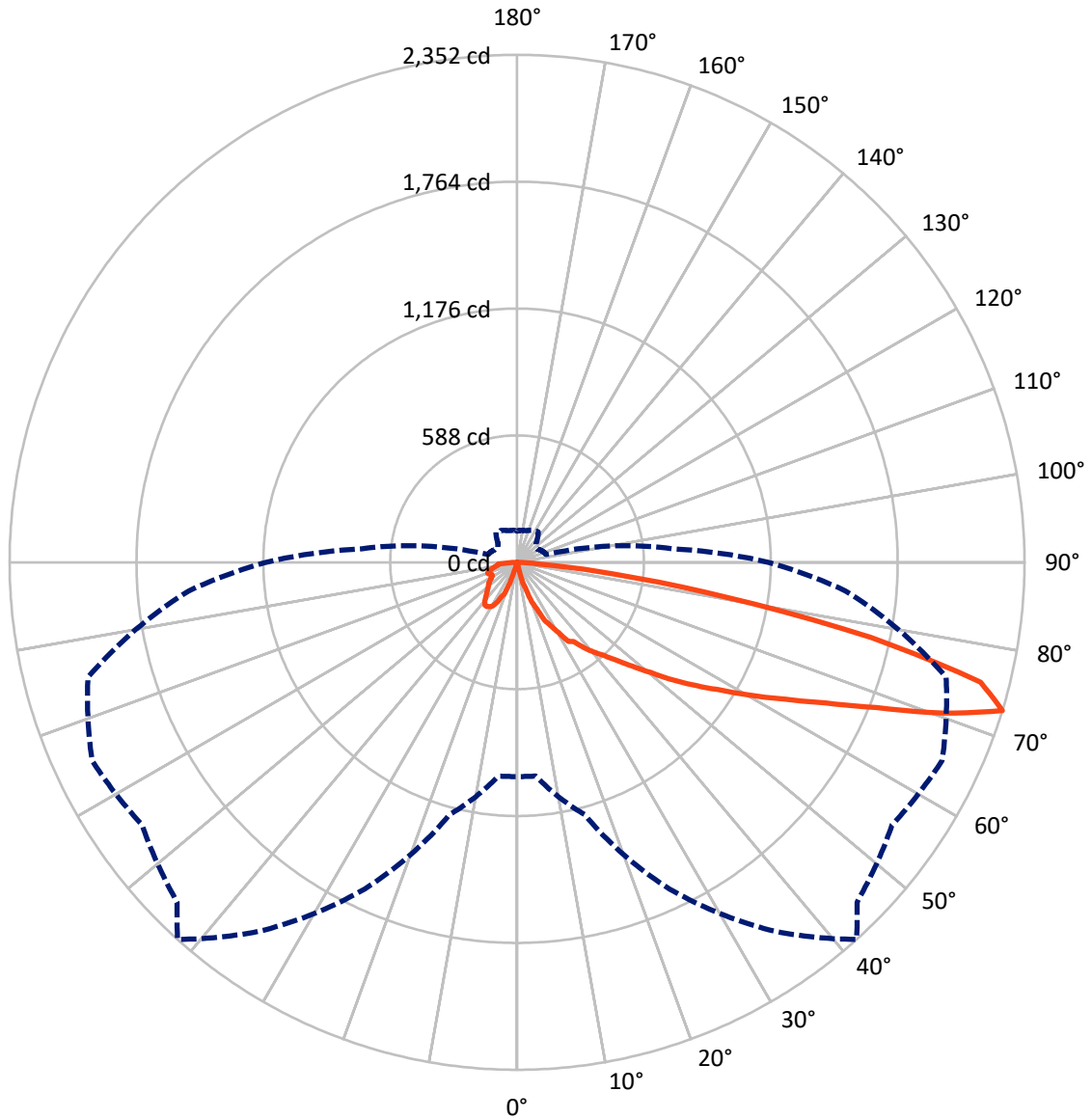
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 42-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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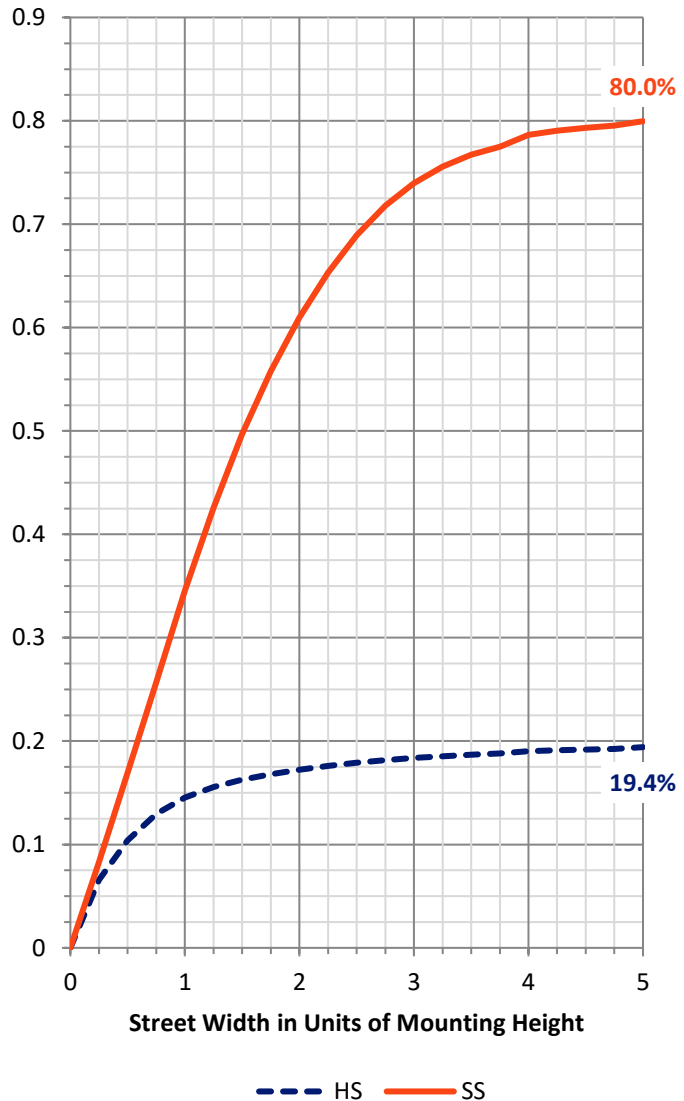
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	688.5	0.0	688.5
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	2764.5	0.0	2764.5
	% Fixture	80.1	0.0	80.1
Total	Lumens	3453.0	0.0	3453.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	24.5	0.7
20°-30°	131.1	3.8
30°-40°	297.0	8.6
40°-50°	439.4	12.7
50°-60°	675.4	19.6
60°-70°	991.1	28.7
70°-80°	792.4	22.9
80°-90°	101.9	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°	3453.0	100.0
0°-180°	3453.0	100.0

Coefficient of Utilization



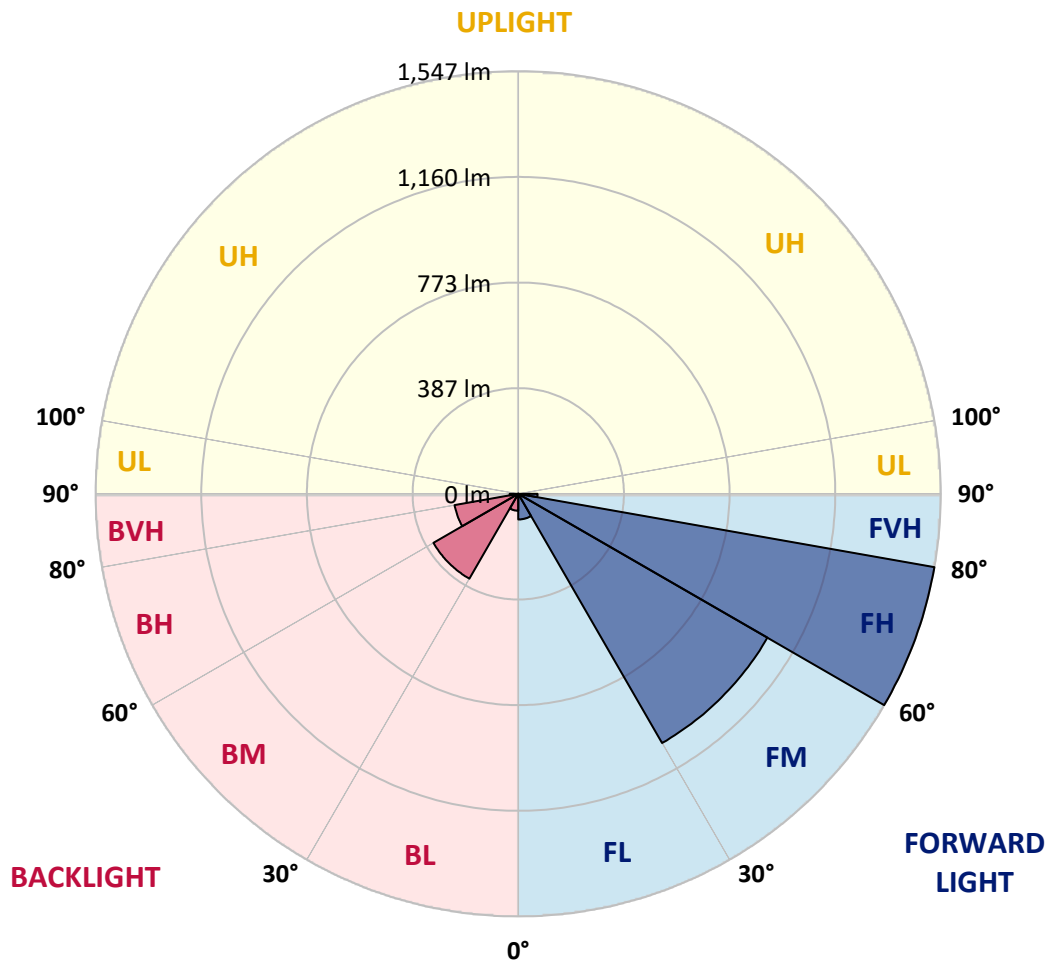
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	93.8	2.7			
FM (30°-60°)	1053.2	30.5			
FH (60°-80°)	1547.0	44.8			G1/1800
FVH (80°-90°)	70.4	2.0			G1/100
BL (0°-30°)	61.9	1.8	B0/110		
BM (30°-60°)	358.6	10.4	B1/1000		
BH (60°-80°)	236.5	6.8	B1/500		G1/500
BVH (80°-90°)	31.5	0.9			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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	42°	45°	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°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
5°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7.5°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
10°	29.5	27.2	23.6	9.5	3.5	1.2	1.2	1.2	1.2	1.2	1.2
12.5°	126.5	126.5	122.9	113.5	26.0	14.2	7.1	2.4	8.3	17.7	22.5
15°	144.2	144.2	139.5	132.4	120.6	100.5	49.6	22.5	98.1	107.6	105.2
17.5°	257.7	237.6	173.7	150.1	134.7	122.9	121.7	112.3	122.9	120.6	118.2
20°	299.0	297.8	287.2	269.5	160.7	196.2	198.6	185.6	141.8	174.9	219.8
22.5°	323.8	319.1	300.2	280.1	295.5	235.2	217.5	204.5	236.4	262.4	256.5
25°	437.3	434.9	419.6	302.6	313.2	299.0	287.2	291.9	300.2	288.4	291.9
27.5°	465.7	459.8	439.7	394.8	341.6	332.1	355.7	319.1	353.4	424.3	416.0
30°	674.9	666.6	561.4	436.1	408.9	378.2	372.3	398.3	429.0	440.8	437.3
32.5°	767.0	757.6	719.8	572.0	440.8	437.3	416.0	432.6	440.8	544.9	579.1
35°	879.3	869.9	821.4	650.0	531.8	450.3	455.0	438.5	520.0	557.9	598.0
37.5°	957.3	947.9	919.5	717.4	592.1	502.3	473.9	489.3	529.5	580.3	620.5
40°	1030.6	1024.7	1007.0	802.5	657.1	546.0	507.0	510.6	549.6	614.6	650.0
42.5°	1106.2	1102.7	1093.2	882.9	716.2	589.8	548.4	536.6	593.3	646.5	693.8
45°	1173.6	1181.9	1177.2	966.8	780.0	647.7	600.4	577.9	646.5	697.3	762.3
47.5°	1207.9	1207.9	1233.9	1051.9	848.6	719.8	664.2	635.9	716.2	778.9	859.2
50°	1256.3	1261.1	1263.4	1139.3	942.0	802.5	735.1	706.8	788.3	895.9	1018.8
52.5°	1384.0	1427.7	1326.1	1224.4	1059.0	907.7	812.0	781.2	882.9	1040.1	1223.3
55°	1428.9	1438.4	1410.0	1339.1	1158.3	1009.3	897.1	869.9	1029.4	1207.9	1449.0
57.5°	1467.9	1456.1	1492.7	1463.2	1288.3	1118.1	999.9	984.5	1186.6	1393.4	1677.1
60°	1505.7	1510.5	1562.5	1606.2	1407.6	1252.8	1113.3	1150.0	1346.2	1587.3	1893.4
62.5°	1538.8	1550.6	1641.6	1690.1	1512.8	1395.8	1263.4	1362.7	1524.6	1778.7	2070.7
65°	1510.5	1527.0	1713.7	1744.5	1655.8	1569.5	1436.0	1575.5	1743.3	1943.0	2182.9
67.5°	1467.9	1483.3	1701.9	1834.3	1820.1	1795.3	1647.6	1778.7	1971.4	2109.7	2177.0
70°	1336.7	1355.6	1581.4	1866.2	2026.9	2093.1	1933.6	1966.7	2143.9	2174.7	1956.0
72.5°	992.8	994.0	1211.4	1670.0	2088.4	2352.0	2227.9	2121.5	2173.5	2058.8	1529.4
75°	470.4	464.5	624.0	1061.3	1748.0	2218.4	2219.6	2078.9	1961.9	1687.7	984.5
77.5°	138.3	140.6	197.4	438.5	1120.4	1677.1	1783.5	1704.3	1495.1	945.5	432.6
80°	69.7	75.6	98.1	152.5	488.1	978.6	1114.5	1100.3	848.6	315.6	148.9
82.5°	34.3	35.5	53.2	82.7	212.7	455.0	582.7	510.6	270.7	151.3	75.6
85°	9.5	8.3	15.4	28.4	66.2	96.9	117.0	95.7	81.6	63.8	30.7
87.5°	0.0	1.2	1.2	2.4	2.4	3.5	3.5	3.5	3.5	3.5	3.5
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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
7.5°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
10°	1.2	1.2	1.2	1.2	1.2	1.2	0.0	1.2	1.2	1.2	1.2
12.5°	22.5	20.1	15.4	8.3	2.4	1.2	1.2	1.2	1.2	2.4	2.4
15°	102.8	101.6	100.5	92.2	20.1	3.5	2.4	10.6	36.6	55.5	67.4
17.5°	117.0	115.8	114.6	112.3	104.0	26.0	34.3	93.4	112.3	113.5	114.6
20°	216.3	211.6	159.6	124.1	114.6	104.0	99.3	114.6	119.4	122.9	124.1
22.5°	251.7	247.0	236.4	219.8	132.4	160.7	150.1	125.3	196.2	211.6	213.9
25°	286.0	280.1	255.3	235.2	224.6	171.4	190.3	202.1	222.2	226.9	229.3
27.5°	410.1	394.8	364.0	261.2	244.7	206.8	222.2	213.9	255.3	297.8	301.4
30°	436.1	420.8	378.2	313.2	258.8	238.7	222.2	278.9	308.5	317.9	322.7
32.5°	581.5	566.1	489.3	315.6	275.4	235.2	260.0	284.8	306.1	369.9	375.8
35°	603.9	585.0	496.4	365.2	265.9	244.7	257.7	295.5	352.2	373.5	377.0
37.5°	628.8	607.5	489.3	342.7	282.5	245.8	251.7	290.7	323.8	333.3	338.0
40°	666.6	634.7	477.5	317.9	265.9	231.7	244.7	267.1	286.0	282.5	286.0
42.5°	717.4	667.8	458.6	289.6	245.8	212.7	226.9	241.1	252.9	242.3	239.9
45°	781.2	715.0	437.3	264.7	224.6	196.2	209.2	221.0	229.3	210.4	208.0
47.5°	873.4	769.4	411.3	238.7	206.8	183.2	195.0	203.3	208.0	190.3	186.7
50°	998.7	841.5	381.7	217.5	191.5	171.4	185.6	190.3	186.7	173.7	171.4
52.5°	1155.9	951.4	352.2	200.9	178.5	163.1	176.1	174.9	171.4	161.9	160.7
55°	1352.1	1098.0	327.4	189.1	167.8	154.8	164.3	164.3	163.1	154.8	154.8
57.5°	1557.7	1236.3	297.8	178.5	156.0	143.0	154.8	157.2	156.0	150.1	148.9
60°	1729.1	1349.7	254.1	169.0	143.0	133.6	146.6	151.3	150.1	144.2	143.0
62.5°	1827.2	1367.4	209.2	156.0	132.4	125.3	141.8	148.9	157.2	160.7	160.7
65°	1847.3	1295.3	179.6	146.6	125.3	122.9	146.6	167.8	174.9	179.6	182.0
67.5°	1765.7	1145.2	161.9	140.6	120.6	127.6	166.6	178.5	171.4	169.0	169.0
70°	1540.0	950.2	148.9	133.6	114.6	133.6	173.7	170.2	160.7	163.1	161.9
72.5°	1165.3	723.3	139.5	126.5	108.7	124.1	171.4	163.1	151.3	148.9	144.2
75°	705.6	424.3	128.8	118.2	94.6	109.9	164.3	156.0	144.2	139.5	135.9
77.5°	273.0	196.2	117.0	108.7	81.6	96.9	152.5	148.9	137.1	127.6	126.5
80°	115.8	104.0	100.5	95.7	69.7	83.9	137.1	138.3	120.6	108.7	105.2
82.5°	65.0	63.8	78.0	78.0	57.9	74.5	124.1	124.1	106.4	99.3	91.0
85°	21.3	24.8	41.4	47.3	42.5	69.7	120.6	114.6	92.2	76.8	73.3
87.5°	2.4	2.4	4.7	9.5	10.6	17.7	34.3	40.2	28.4	23.6	23.6
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)