

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: P694785

Luminaire Tested: **LXF.LXT-PA16-30-727-U-T3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P694785
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-16)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-30-727-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 560mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3164 lumens
Efficiency: N/A
Efficacy: 108.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

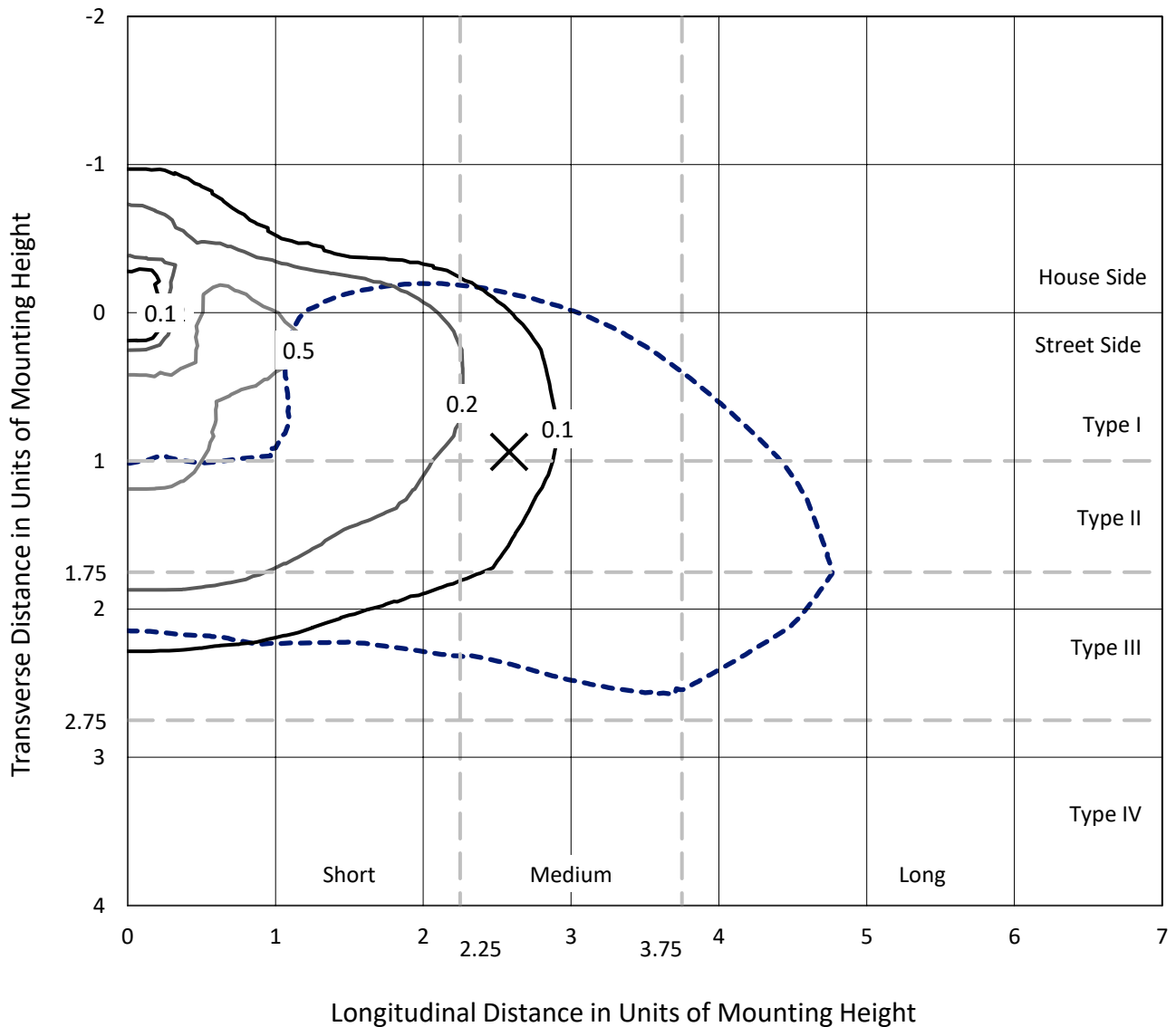
Input Watts (W): 29.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

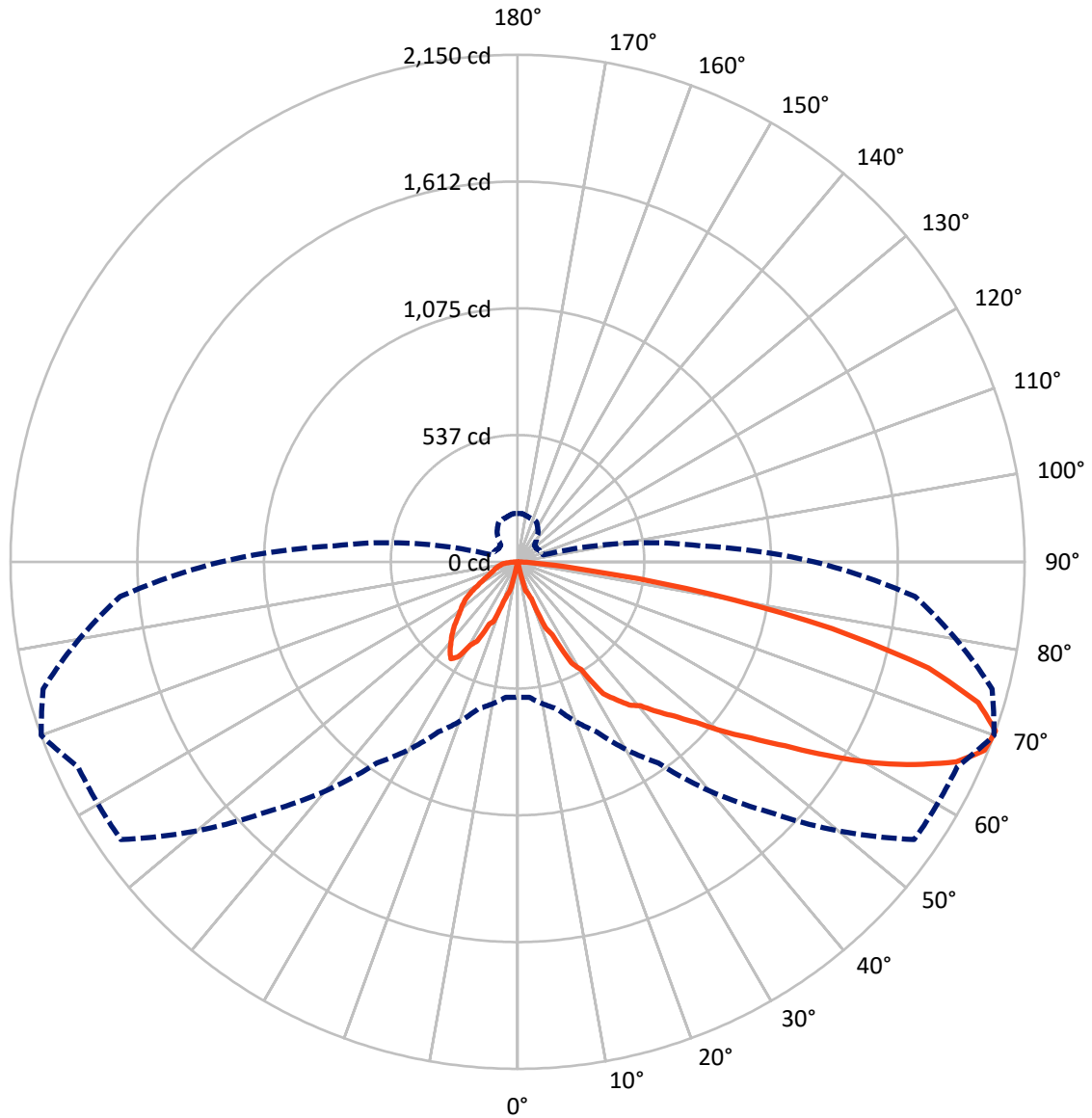
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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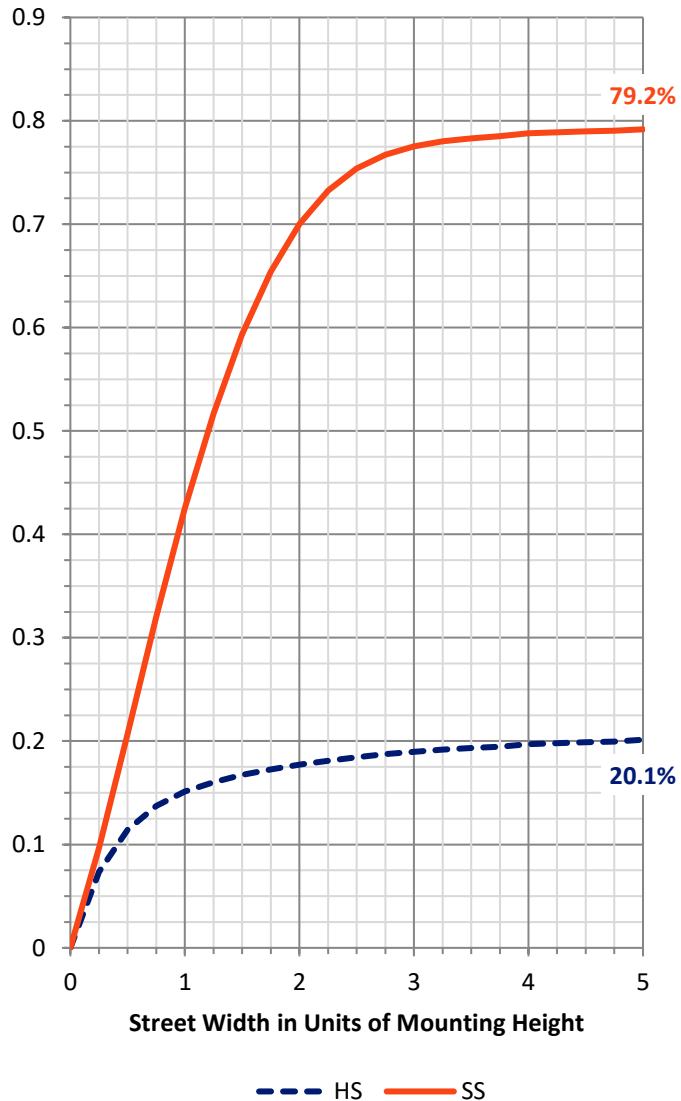
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	652.0	0.0	652.0
	% Fixture	20.6	0.0	20.6
Street Side	Lumens	2512.0	0.0	2512.0
	% Fixture	79.4	0.0	79.4
Total	Lumens	3164.0	0.0	3164.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	26.8	0.8
20°-30°	151.4	4.8
30°-40°	336.6	10.6
40°-50°	481.4	15.2
50°-60°	699.6	22.1
60°-70°	878.0	27.8
70°-80°	521.5	16.5
80°-90°	68.5	2.2
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°	3164.0	100.0
0°-180°	3164.0	100.0

Coefficient of Utilization

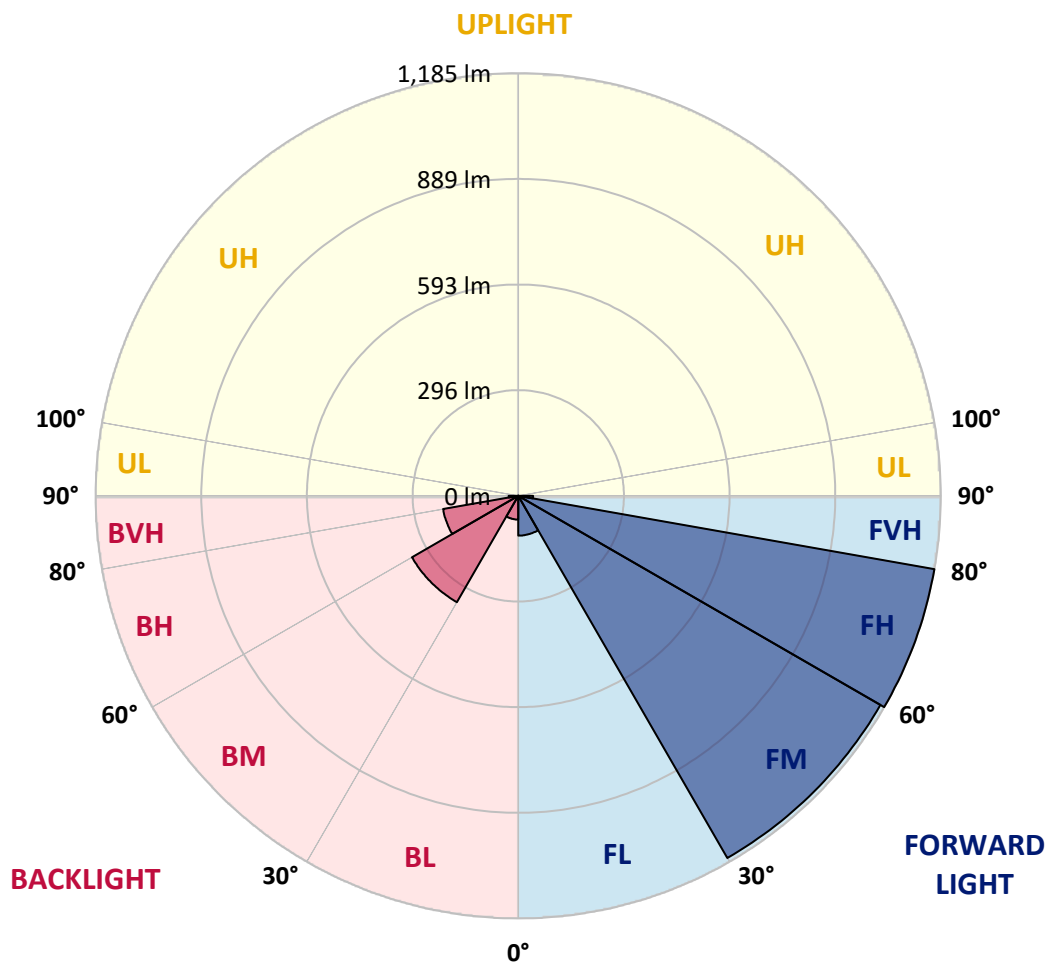


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	111.6	3.5			
FM (30°-60°)	1173.2	37.1			
FH (60°-80°)	1185.5	37.5			G1/1800
FVH (80°-90°)	41.6	1.3			G1/100
BL (0°-30°)	66.6	2.1	B0/110		
BM (30°-60°)	344.4	10.9	B1/1000		
BH (60°-80°)	214.0	6.8	B1/500		G1/500
BVH (80°-90°)	26.9	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 III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
5°	0.0	0.0	0.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
7.5°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
10°	14.1	15.2	9.8	5.4	2.2	1.1	1.1	1.1	1.1	1.1	1.1
12.5°	126.2	126.2	125.1	80.5	25.0	5.4	2.2	6.5	12.0	13.1	19.6
15°	140.3	140.3	140.3	138.2	131.6	45.7	20.7	115.3	126.2	129.5	129.5
17.5°	185.0	188.2	170.8	153.4	145.8	127.3	122.9	138.2	140.3	142.5	143.6
20°	314.4	314.4	314.4	280.7	173.0	223.0	204.5	157.8	165.4	198.0	273.1
22.5°	350.3	349.2	341.6	330.7	354.7	248.1	232.8	275.3	303.5	313.3	309.0
25°	536.4	535.3	507.0	374.3	390.6	335.1	350.3	349.2	342.7	346.0	341.6
27.5°	582.1	579.9	577.7	526.6	431.9	452.6	406.9	454.8	485.2	508.1	493.9
30°	818.2	771.4	677.8	597.3	551.6	485.2	523.3	551.6	530.9	540.7	517.9
32.5°	864.9	869.3	864.9	752.9	613.6	552.7	587.5	585.3	666.9	695.2	687.6
35°	911.7	908.5	901.9	801.8	713.7	637.6	619.1	717.0	717.0	733.3	710.4
37.5°	948.7	947.6	938.9	829.0	763.8	668.0	700.7	769.2	770.3	786.6	736.6
40°	980.3	981.4	978.1	858.4	804.0	700.7	738.7	820.3	802.9	826.9	780.1
42.5°	1007.5	1010.7	1016.2	901.9	838.8	733.3	774.6	857.3	868.2	896.5	843.2
45°	1057.5	1064.0	1071.7	970.5	885.6	776.8	823.6	931.3	933.5	975.9	930.2
47.5°	1120.6	1125.0	1141.3	1044.5	955.2	839.9	873.6	985.7	1017.3	1070.6	1034.7
50°	1175.0	1183.7	1205.5	1134.8	1051.0	932.4	944.4	1066.2	1129.3	1177.2	1144.5
52.5°	1216.4	1224.0	1256.6	1210.9	1152.2	1031.4	1033.6	1178.3	1242.5	1308.8	1289.2
55°	1250.1	1258.8	1289.2	1282.7	1244.6	1113.0	1156.5	1286.0	1376.3	1454.6	1432.9
57.5°	1255.5	1254.4	1312.1	1331.7	1308.8	1220.7	1312.1	1403.5	1548.2	1610.2	1611.3
60°	1230.5	1235.9	1304.5	1364.3	1366.5	1331.7	1481.8	1560.2	1729.9	1771.2	1784.3
62.5°	1177.2	1189.2	1265.3	1364.3	1413.3	1442.7	1647.2	1736.4	1893.1	1914.8	1900.7
65°	1076.0	1080.4	1155.4	1301.2	1417.6	1543.8	1818.0	1889.8	2044.3	2022.5	1926.8
67.5°	869.3	882.3	952.0	1120.6	1314.3	1588.4	1973.6	2005.1	2134.6	2088.9	1862.6
70°	573.4	576.6	645.2	795.3	1041.2	1496.0	2053.0	2056.3	2149.8	2082.4	1691.8
72.5°	249.1	229.6	294.8	415.6	638.6	1166.3	1956.2	2003.0	2042.1	1959.4	1401.3
75°	107.7	109.9	127.3	171.9	295.9	659.3	1627.6	1746.2	1799.5	1668.9	1021.6
77.5°	80.5	80.5	92.5	104.4	138.2	249.1	1060.8	1300.1	1363.2	1208.7	635.4
80°	58.8	60.9	69.6	76.2	89.2	101.2	528.8	787.7	827.9	629.9	279.6
82.5°	44.6	44.6	50.0	54.4	60.9	60.9	179.5	338.4	306.8	214.3	96.8
85°	19.6	16.3	26.1	25.0	27.2	21.8	47.9	62.0	62.0	49.0	21.8
87.5°	0.0	1.1	1.1	1.1	2.2	2.2	4.4	3.3	4.4	4.4	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
2.5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1
5°	1.1	1.1	1.1	1.1	1.1	1.1	0.0	1.1	1.1	1.1	1.1
7.5°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	1.1	1.1
10°	1.1	1.1	1.1	1.1	1.1	0.0	0.0	1.1	1.1	1.1	1.1
12.5°	17.4	20.7	13.1	6.5	1.1	0.0	0.0	1.1	1.1	2.2	2.2
15°	131.6	130.6	130.6	119.7	20.7	3.3	2.2	10.9	37.0	78.3	77.2
17.5°	143.6	143.6	143.6	138.2	125.1	34.8	34.8	115.3	125.1	126.2	127.3
20°	272.0	268.7	207.8	149.1	131.6	125.1	114.2	126.2	128.4	129.5	131.6
22.5°	305.7	302.5	288.3	258.9	148.0	181.7	164.3	134.9	201.3	211.1	213.2
25°	339.4	330.7	309.0	270.9	248.1	183.9	192.6	192.6	201.3	200.2	201.3
27.5°	484.1	474.4	445.0	307.9	268.7	215.4	213.2	188.2	202.4	230.7	232.8
30°	507.0	495.0	454.8	354.7	282.9	235.0	199.1	224.1	235.0	231.7	232.8
32.5°	669.1	655.0	590.8	356.9	285.0	216.5	220.9	224.1	228.5	249.1	251.3
35°	689.8	676.7	589.7	409.1	263.3	215.4	213.2	228.5	253.5	256.8	257.8
37.5°	719.1	706.1	577.7	373.2	262.2	213.2	207.8	225.2	233.9	230.7	228.5
40°	761.6	742.0	554.9	334.0	238.3	202.4	202.4	206.7	213.2	201.3	198.0
42.5°	824.7	784.4	529.8	299.2	218.7	188.2	188.2	189.3	185.0	174.1	174.1
45°	893.2	820.3	497.2	267.6	199.1	173.0	174.1	166.5	170.8	162.1	162.1
47.5°	973.7	863.8	456.9	237.2	181.7	158.8	156.7	157.8	163.2	156.7	156.7
50°	1066.2	916.1	426.5	210.0	166.5	144.7	150.1	153.4	159.9	154.5	153.4
52.5°	1176.1	971.6	402.5	188.2	153.4	132.7	145.8	150.1	157.8	154.5	153.4
55°	1304.5	1041.2	364.5	170.8	141.4	126.2	142.5	150.1	158.8	156.7	155.6
57.5°	1424.2	1101.0	311.2	153.4	132.7	121.9	141.4	150.1	161.0	158.8	157.8
60°	1531.9	1157.6	245.9	140.3	125.1	116.4	138.2	150.1	162.1	163.2	162.1
62.5°	1586.3	1160.9	199.1	130.6	117.5	111.0	134.9	149.1	161.0	167.5	167.5
65°	1560.2	1095.6	158.8	120.8	111.0	104.4	131.6	152.3	170.8	181.7	181.7
67.5°	1453.5	963.9	131.6	113.1	103.4	99.0	136.0	171.9	189.3	200.2	200.2
70°	1258.8	779.0	113.1	106.6	97.9	101.2	151.2	188.2	193.7	205.6	204.5
72.5°	998.8	582.1	101.2	100.1	94.7	106.6	161.0	181.7	181.7	186.0	181.7
75°	702.8	369.9	91.4	93.6	87.0	97.9	152.3	169.7	162.1	159.9	158.8
77.5°	400.4	200.2	80.5	84.9	78.3	84.9	132.7	151.2	143.6	138.2	136.0
80°	171.9	102.3	69.6	76.2	68.5	71.8	111.0	130.6	125.1	118.6	116.4
82.5°	68.5	53.3	58.8	67.5	57.7	60.9	94.7	111.0	106.6	100.1	93.6
85°	19.6	20.7	35.9	47.9	43.5	47.9	76.2	88.1	81.6	64.2	62.0
87.5°	2.2	3.3	7.6	9.8	10.9	8.7	17.4	23.9	21.8	16.3	13.1
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)