

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: P414575

Luminaire Tested: **LXF.LXT-PA1-30-727-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414575
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-727-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3223 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

Input Watts (W): 31
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

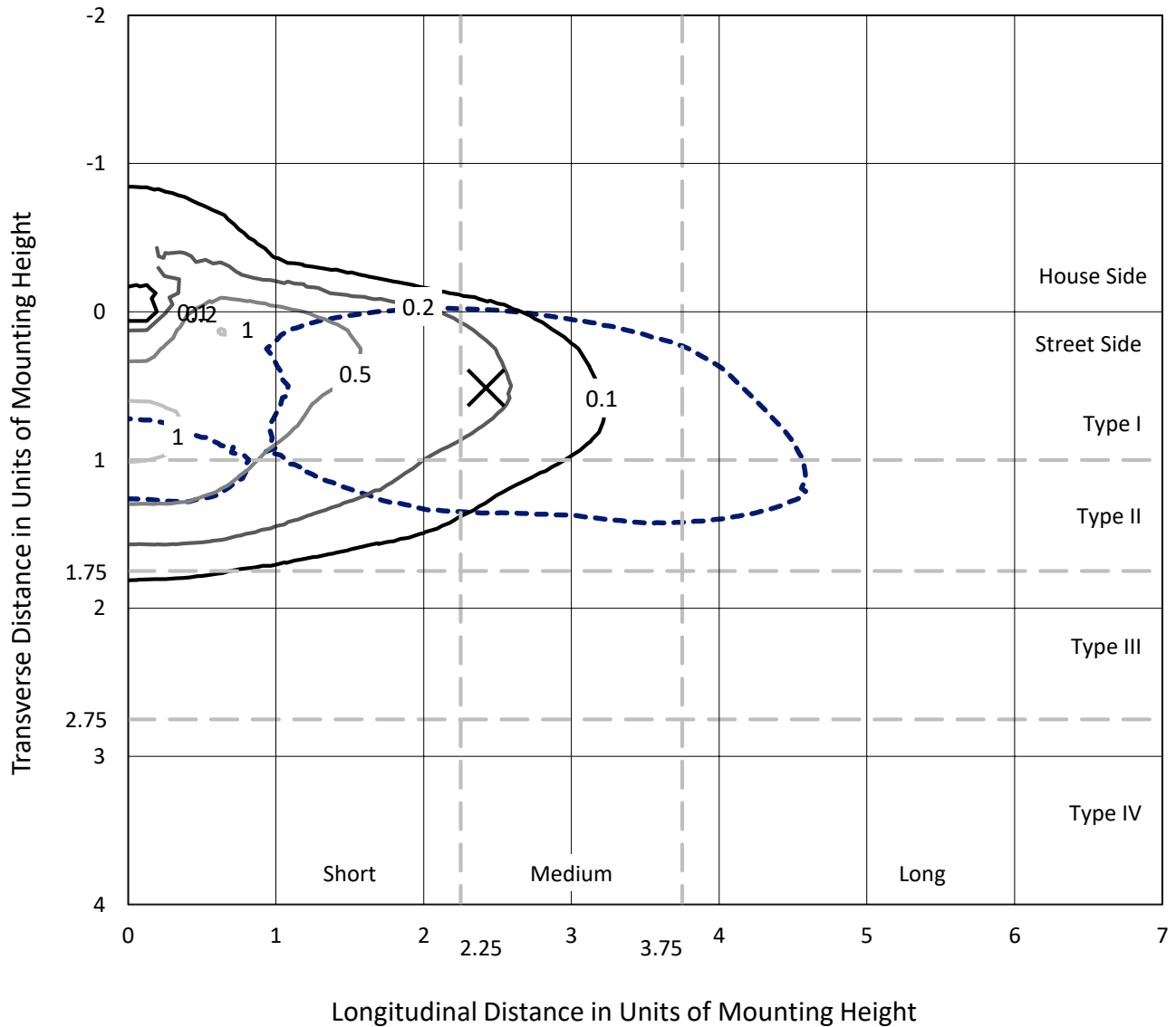


REPORT NUMBER: P414575

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

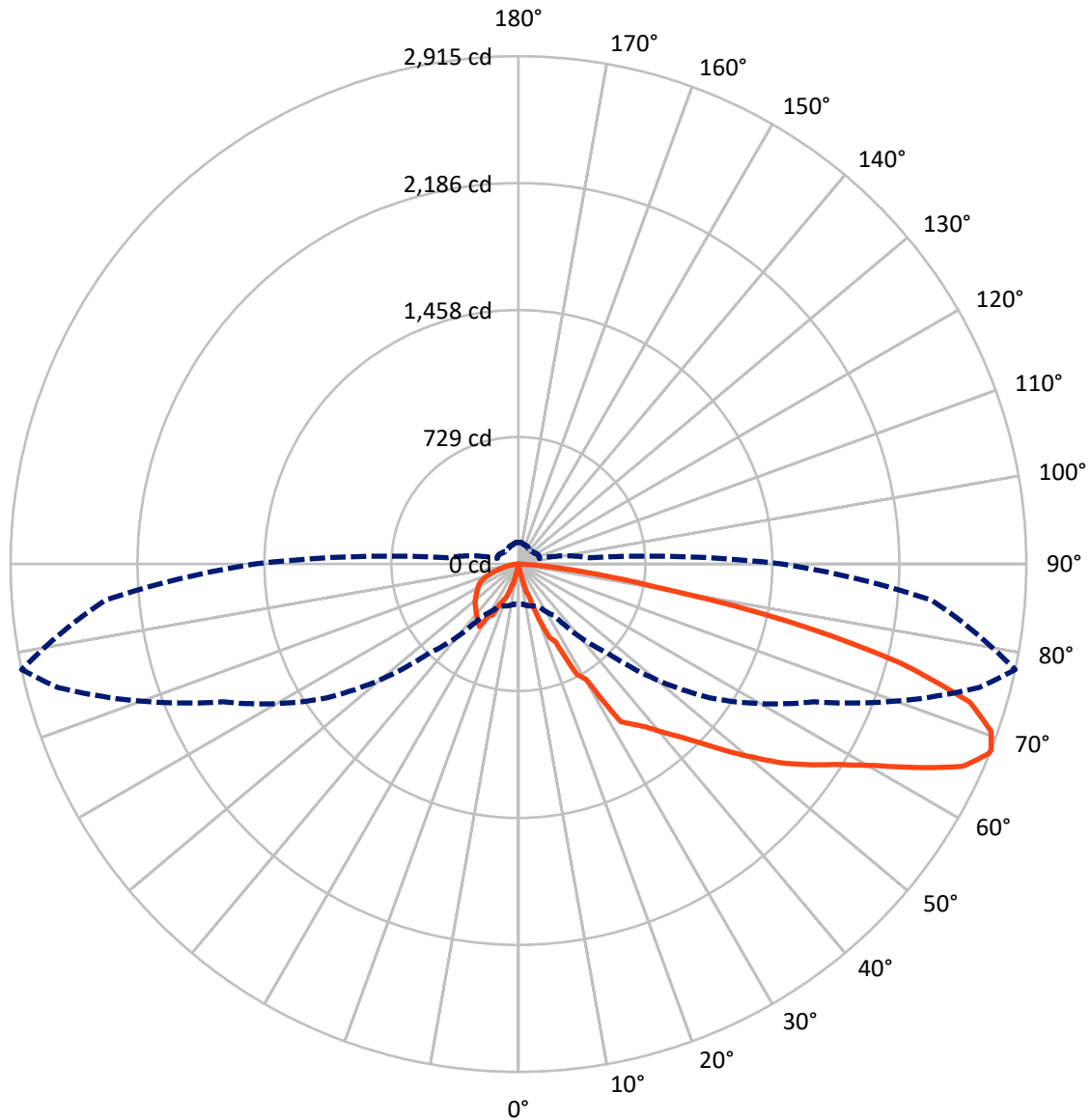
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Medium - Non-Cutoff

REPORT NUMBER: P414575
CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2R

Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical



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CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2R

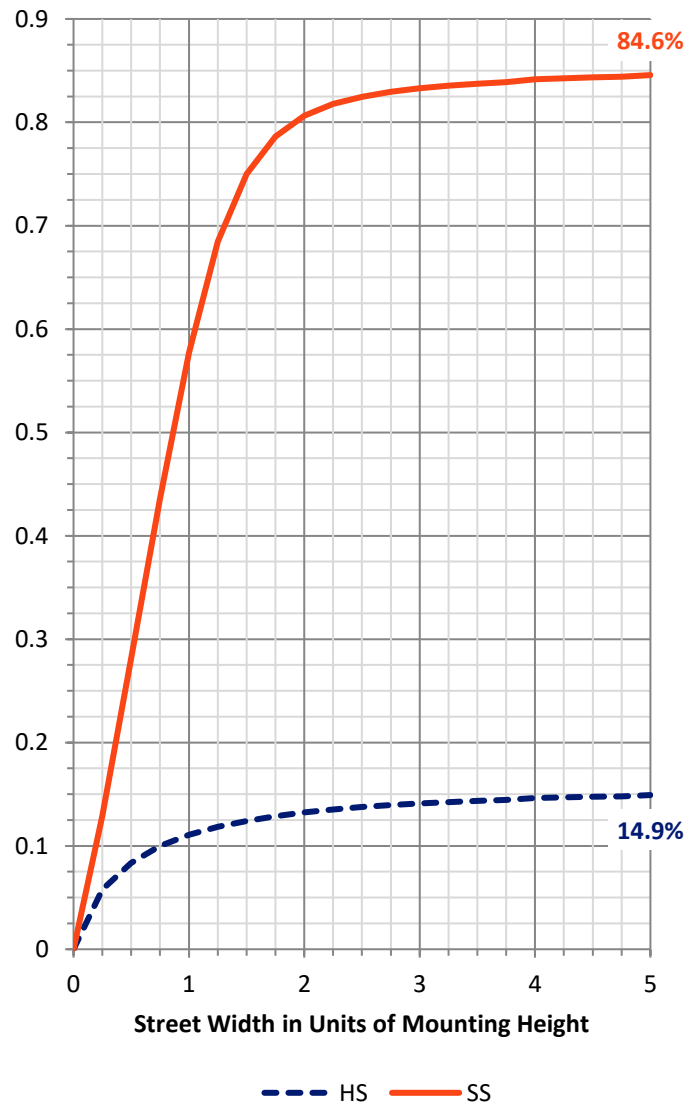
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	489.3	0.0	489.3
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	2733.7	0.0	2733.7
	% Fixture	84.8	0.0	84.8
Total	Lumens	3223.0	0.0	3223.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.1
10°-20°	46.7	1.4
20°-30°	177.9	5.5
30°-40°	415.3	12.9
40°-50°	648.3	20.1
50°-60°	744.2	23.1
60°-70°	691.5	21.5
70°-80°	427.3	13.3
80°-90°	68.8	2.1
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°	3223.0	100.0
0°-180°	3223.0	100.0



REPORT NUMBER: P414575

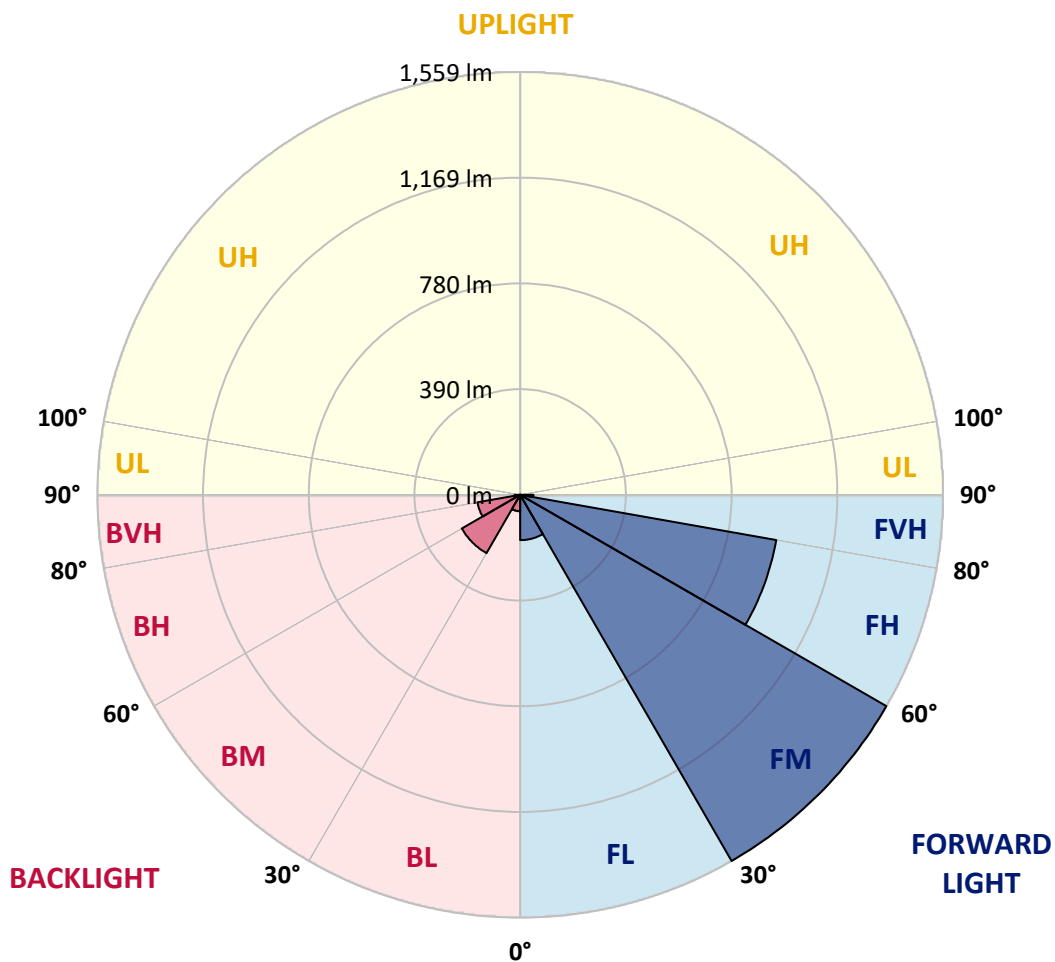
CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	167.1	5.2			
FM (30°-60°)	1559.1	48.4			
FH (60°-80°)	958.8	29.7			G1/1800
FVH (80°-90°)	48.7	1.5			G1/100
BL (0°-30°)	60.6	1.9	B0/110		
BM (30°-60°)	248.6	7.7	B1/1000		
BH (60°-80°)	159.9	5.0	B1/500		G1/500
BVH (80°-90°)	20.1	0.6			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 Medium





REPORT NUMBER: P414575

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	2.5	2.5	2.8	3.2	3.9	3.5	2.5	1.8	1.4	1.4	1.4
5°	114.2	105.0	58.7	30.4	10.6	6.4	3.2	2.5	1.8	1.8	1.4
7.5°	129.1	128.4	127.3	126.2	124.5	117.7	12.4	3.5	2.1	2.1	1.4
10°	139.3	138.3	137.6	136.8	134.4	130.8	124.8	11.0	3.9	3.5	3.2
12.5°	270.5	269.8	268.7	171.8	145.7	141.8	136.5	97.6	11.3	17.0	51.3
15°	269.8	268.7	271.9	277.6	282.2	155.2	156.6	274.0	169.7	163.0	173.6
17.5°	281.5	280.1	276.5	280.4	288.9	324.6	306.9	296.7	199.8	190.6	185.3
20°	412.7	412.7	416.9	413.4	299.9	414.8	392.9	318.6	361.0	339.5	315.8
22.5°	436.7	434.9	435.6	442.7	520.5	430.0	433.5	491.5	501.8	458.3	392.9
25°	620.9	620.6	596.2	467.8	548.8	518.4	599.0	525.8	544.2	492.9	482.0
27.5°	698.7	699.4	679.6	661.9	579.9	672.2	635.8	692.3	773.0	718.2	617.4
30°	940.2	931.0	775.4	758.1	709.7	708.6	769.8	817.5	794.9	769.1	689.5
32.5°	1117.4	1108.2	1073.9	954.0	843.7	789.2	884.4	855.4	1037.1	1079.5	934.9
35°	1391.4	1388.2	1206.1	1082.4	990.8	954.4	929.3	1042.1	1122.7	1129.0	995.7
37.5°	1601.8	1591.6	1484.8	1266.6	1115.3	1031.1	1090.9	1092.6	1216.4	1186.3	1090.9
40°	1698.0	1691.6	1609.6	1404.9	1229.8	1134.7	1158.7	1169.0	1318.9	1267.0	1160.2
42.5°	1771.2	1763.4	1711.4	1488.0	1330.6	1239.7	1228.8	1238.0	1418.3	1355.0	1234.4
45°	1809.0	1804.4	1780.0	1547.0	1401.0	1306.6	1303.7	1298.8	1485.8	1463.6	1315.0
47.5°	1787.8	1782.9	1793.8	1627.3	1444.8	1361.4	1373.4	1364.5	1563.3	1599.7	1402.7
50°	1670.1	1674.7	1718.5	1630.5	1472.7	1405.9	1446.9	1425.0	1668.6	1743.3	1509.2
52.5°	1329.2	1347.9	1533.6	1559.7	1475.6	1426.8	1513.1	1517.3	1799.5	1896.7	1649.2
55°	991.8	1018.4	1182.8	1387.2	1419.0	1427.5	1555.5	1601.8	1930.0	2033.2	1766.9
57.5°	780.7	797.0	901.7	1106.8	1282.5	1402.4	1599.0	1670.4	2051.2	2169.7	1882.6
60°	624.1	614.2	682.4	838.0	1068.9	1332.0	1618.1	1759.9	2202.2	2345.8	2018.7
62.5°	451.2	451.9	503.9	592.6	846.2	1193.0	1603.2	1846.5	2394.6	2573.5	2200.1
65°	320.0	323.2	358.6	406.3	611.7	1002.1	1529.7	1905.6	2611.7	2801.2	2347.6
67.5°	243.6	245.8	262.4	284.6	395.3	762.4	1378.7	1893.5	2730.9	2909.1	2390.3
68°	233.7	230.2	248.9	265.2	363.9	722.8	1337.3	1869.5	2736.5	2915.1	2380.1
70°	197.0	197.0	205.4	209.3	257.8	534.3	1134.7	1724.2	2716.4	2878.0	2302.3
72.5°	164.4	163.4	168.3	165.1	182.1	349.7	824.2	1486.9	2572.4	2708.6	2070.7
75°	136.8	136.8	137.6	135.1	139.7	234.4	535.7	1164.8	2272.6	2261.6	1685.3
77.5°	116.7	113.9	113.2	109.6	113.5	170.4	328.5	828.8	1640.7	1581.7	1070.0
80°	92.6	92.3	93.0	90.9	94.1	124.1	200.1	484.4	893.5	786.4	498.9
82.5°	57.3	62.9	69.3	69.3	79.2	87.7	121.3	259.2	433.2	380.8	211.8
85°	18.7	23.0	40.7	42.1	50.9	41.0	69.7	83.4	144.6	129.1	40.7
87.5°	0.7	1.1	3.2	5.0	4.6	2.8	5.0	3.9	8.1	6.0	6.4
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: P414575

CATALOG NUMBER: LXF.LXT-PA1-30-727-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	1.4	1.4	1.4	1.8	1.8	1.1	0.7	1.4	1.4	1.4	1.4
5°	1.4	1.4	1.8	1.8	1.8	1.4	1.8	2.5	2.8	2.8	2.8
7.5°	1.4	1.4	1.4	2.1	2.1	2.5	3.5	21.2	48.8	53.4	52.7
10°	2.8	2.5	2.8	3.2	3.9	45.3	59.4	62.6	64.0	65.1	64.7
12.5°	67.9	60.8	11.3	6.4	42.8	63.6	64.7	67.2	69.7	70.7	70.7
15°	159.1	142.5	108.9	82.0	73.2	67.9	69.0	90.5	123.1	126.2	126.6
17.5°	169.0	148.2	113.9	125.5	129.4	100.8	110.7	124.5	125.9	126.2	126.2
20°	318.6	267.0	161.9	132.2	131.9	168.7	118.1	121.6	123.8	140.7	142.9
22.5°	344.8	286.1	194.5	187.8	142.1	168.7	154.5	150.3	164.4	163.0	164.1
25°	433.5	343.3	204.7	188.5	199.1	163.4	181.4	149.6	152.0	151.3	151.3
27.5°	551.3	433.2	286.1	211.1	193.4	188.8	168.0	143.9	172.6	173.3	173.3
30°	583.8	445.5	286.1	228.1	201.2	185.6	155.2	170.1	160.5	157.7	156.3
32.5°	809.0	604.3	346.2	219.6	198.4	170.4	170.1	158.1	157.7	164.1	164.1
35°	850.1	613.5	316.1	251.1	187.1	175.7	161.6	159.8	152.8	150.3	149.9
37.5°	890.7	619.2	293.1	230.5	192.0	167.6	159.1	146.7	154.5	154.5	153.8
40°	934.2	625.2	272.3	211.8	176.4	167.6	147.5	146.4	135.8	136.5	135.8
42.5°	980.9	627.6	250.0	196.2	161.9	157.4	142.5	131.5	131.2	133.7	133.0
45°	1034.3	630.8	229.5	176.4	147.5	138.6	127.3	128.0	134.7	140.4	140.4
47.5°	1091.2	633.7	212.5	158.8	137.2	125.9	117.4	120.2	132.2	137.9	139.7
50°	1168.3	637.2	193.1	144.3	130.1	116.3	114.9	117.4	130.5	134.7	133.0
52.5°	1250.3	630.8	174.0	135.1	122.7	105.7	108.2	114.6	128.7	130.8	129.4
55°	1317.5	614.9	159.1	129.1	117.4	101.1	104.7	112.4	125.9	126.9	127.3
57.5°	1395.7	594.0	147.5	124.5	114.2	99.0	103.3	112.1	120.2	125.2	125.2
60°	1472.4	569.7	140.4	122.0	111.7	99.0	103.3	111.7	119.2	124.5	124.1
62.5°	1562.2	542.1	136.1	123.4	108.6	100.1	104.0	112.8	118.8	124.8	124.1
65°	1593.7	489.4	133.0	125.5	108.2	101.5	104.3	114.2	118.5	125.5	124.8
67.5°	1531.4	419.7	127.6	125.5	111.4	103.3	104.0	113.5	117.4	125.9	122.7
68°	1510.6	409.5	125.9	125.2	111.7	103.6	104.0	113.2	116.7	125.5	122.0
70°	1394.6	344.4	117.0	121.6	113.2	105.0	102.2	110.7	113.2	124.8	120.6
72.5°	1206.8	268.4	102.2	113.2	111.7	107.1	99.0	105.7	107.1	116.7	109.6
75°	965.0	204.0	84.5	98.3	105.0	107.1	94.4	99.0	98.7	103.3	96.9
77.5°	606.8	145.7	68.2	83.4	95.5	104.3	90.2	90.2	85.9	86.6	83.8
80°	294.2	99.7	55.2	69.0	79.9	98.7	82.7	76.0	70.7	69.3	65.8
82.5°	144.6	64.4	38.2	52.0	63.3	81.7	74.3	62.6	53.4	52.7	47.0
85°	33.6	26.5	20.9	27.6	40.0	53.4	53.4	39.2	33.2	43.1	31.8
87.5°	3.2	3.9	4.2	3.9	5.0	4.6	11.3	11.3	10.3	6.7	4.6
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)