

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: P415658

Luminaire Tested: **LXF.LXT-PA1-50-827-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415658
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-827-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4774 lumens
Efficiency: N/A
Efficacy: 88.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

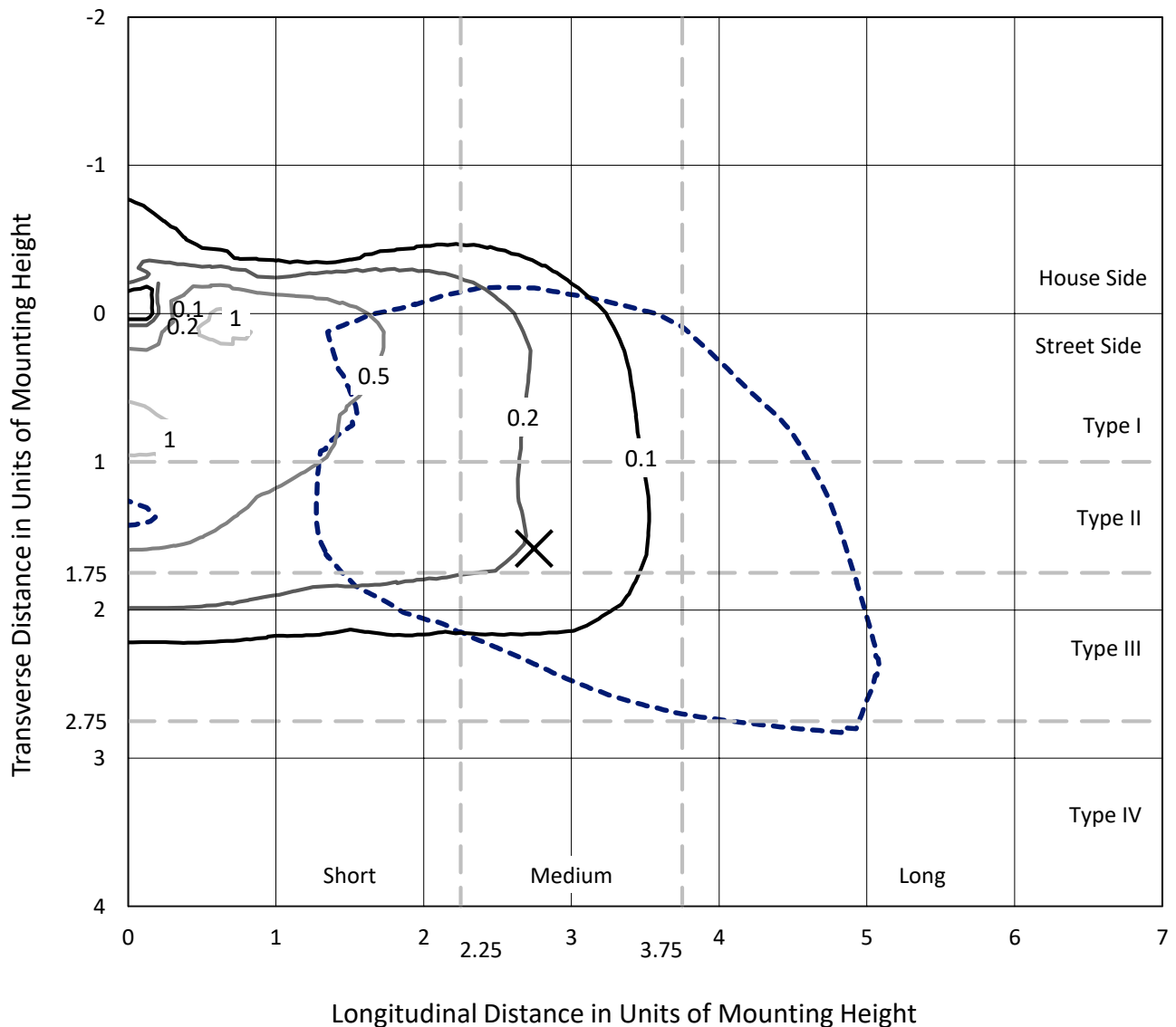
Input Watts (W): 54
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

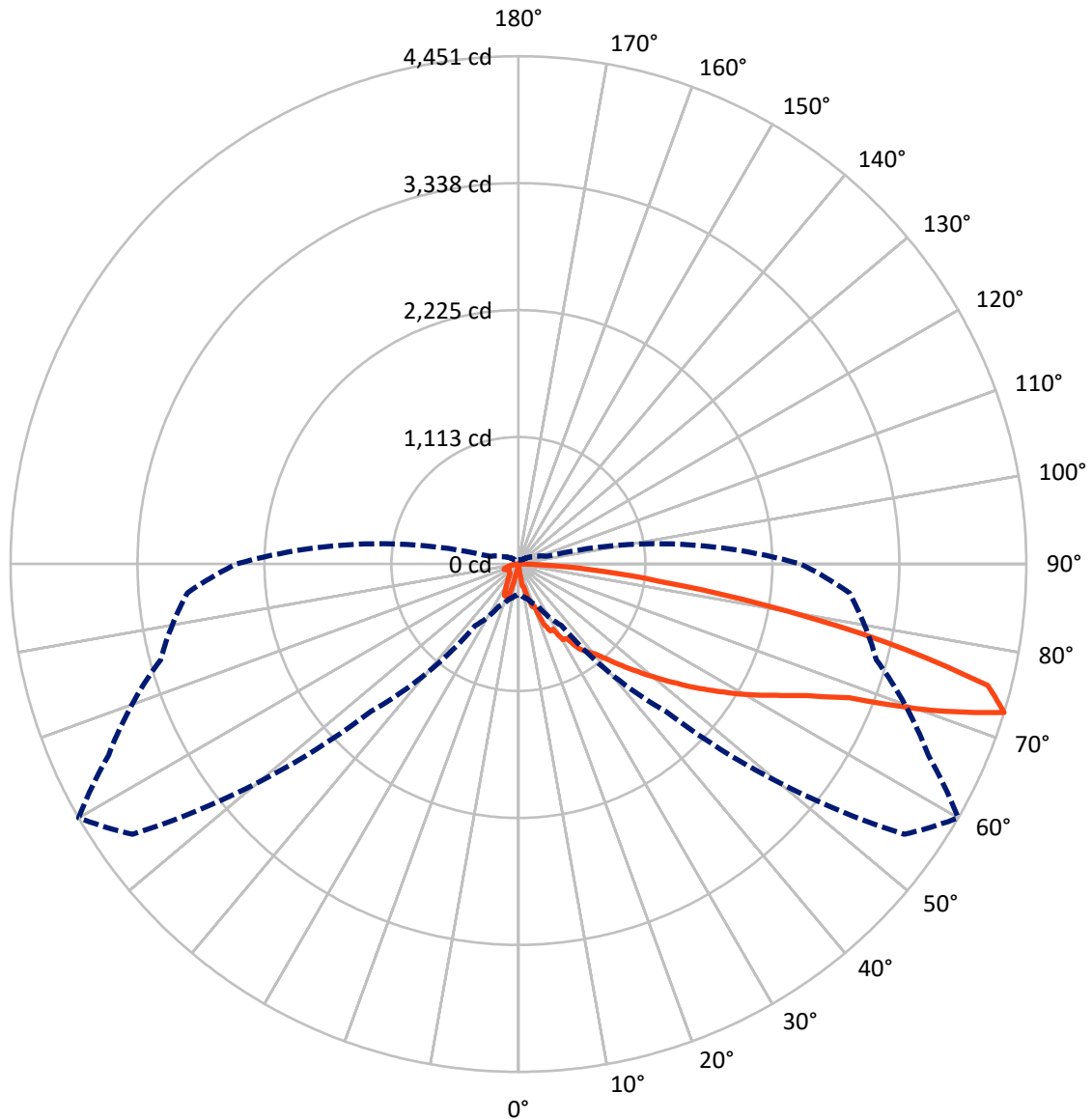


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



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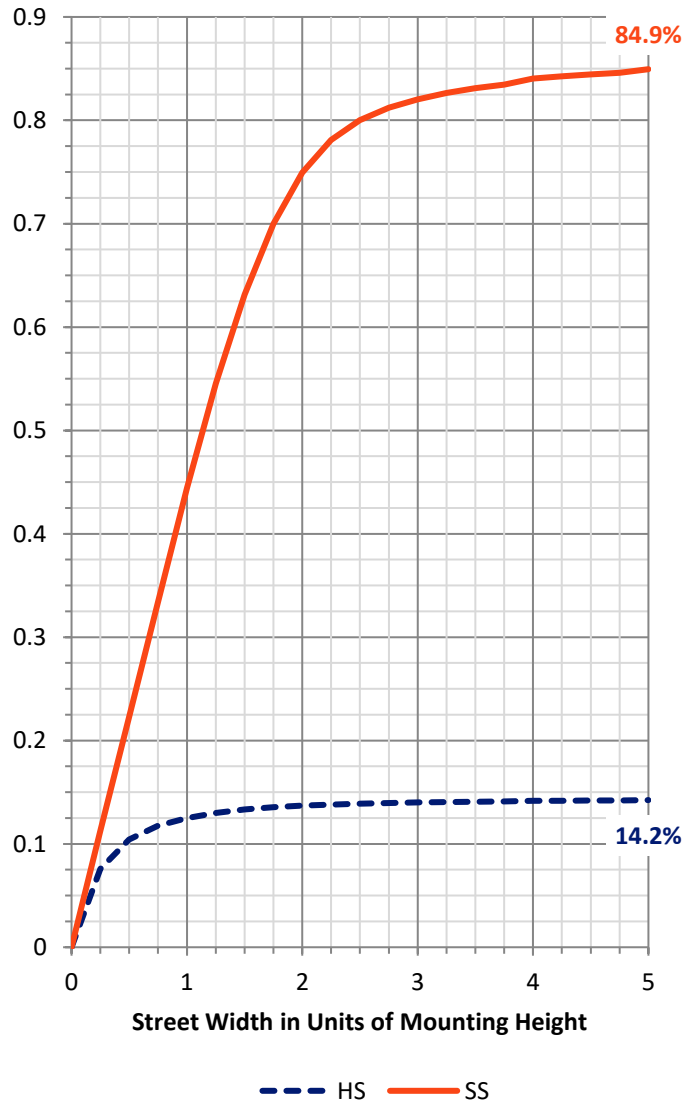
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	687.5	0.0	687.5
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	4086.5	0.0	4086.5
	% Fixture	85.6	0.0	85.6
Total	Lumens	4774.0	0.0	4774.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.1
10°-20°	69.6	1.5
20°-30°	209.6	4.4
30°-40°	414.5	8.7
40°-50°	686.6	14.4
50°-60°	1025.7	21.5
60°-70°	1220.2	25.6
70°-80°	976.8	20.5
80°-90°	165.8	3.5
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°	4774.0	100.0
0°-180°	4774.0	100.0

Coefficient of Utilization



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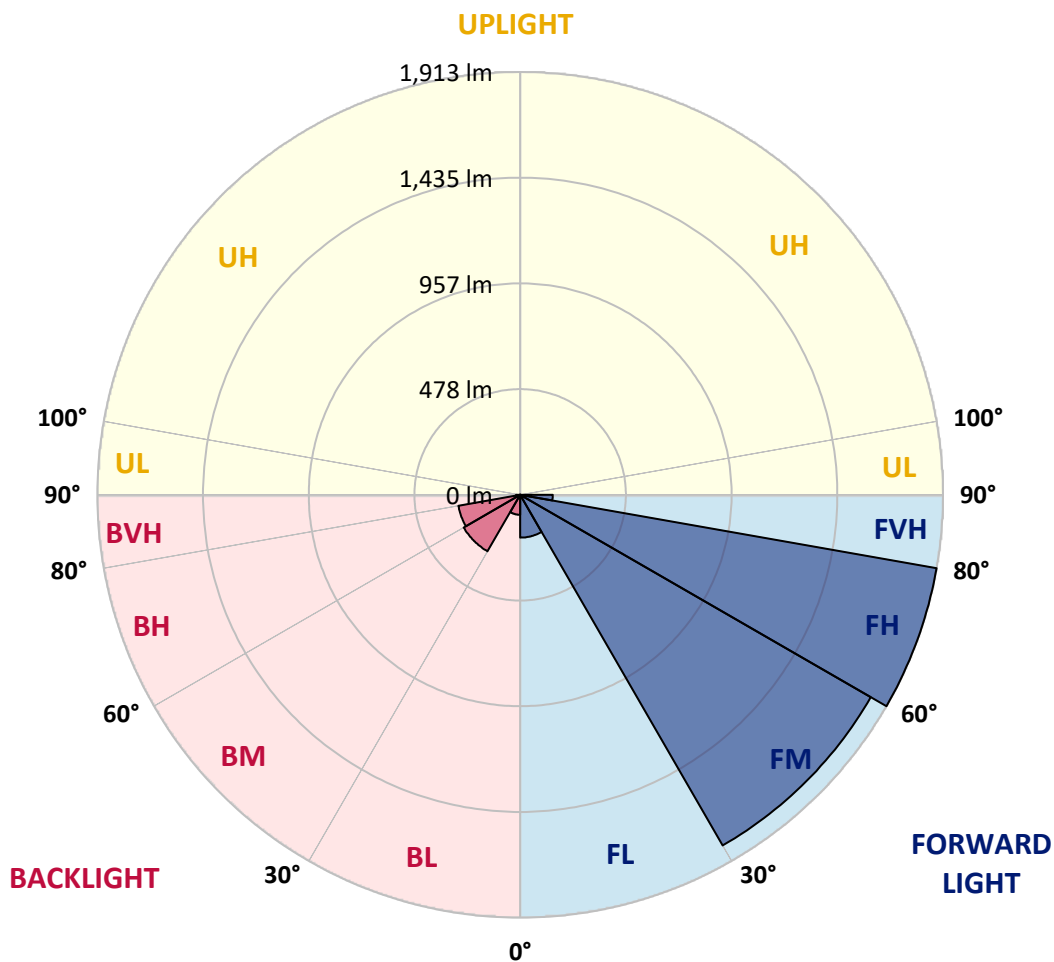
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	193.8	4.1			
FM	(30°-60°)	1831.9	38.4			
FH	(60°-80°)	1913.3	40.1			G2/5000
FVH	(80°-90°)	147.5	3.1			G2/225
BL	(0°-30°)	90.5	1.9	B0/110		
BM	(30°-60°)	295.0	6.2	B1/1000		
BH	(60°-80°)	283.8	5.9	B1/500		G1/500
BVH	(80°-90°)	18.3	0.4			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	2.6	2.6	3.1	3.6	3.6	3.1	2.6	2.6	2.6	2.1	2.6
5°	178.4	90.0	60.3	28.6	21.3	10.4	4.2	3.1	3.1	2.6	2.6
7.5°	204.9	204.9	205.4	207.5	209.1	210.1	26.0	13.5	5.2	2.6	2.6
10°	197.6	196.1	197.1	199.2	201.3	204.4	208.0	197.6	23.4	4.2	3.1
12.5°	365.1	364.1	351.6	214.3	198.7	198.7	203.9	204.4	160.7	15.6	15.1
15°	352.1	351.6	353.1	356.8	362.5	205.4	208.6	303.7	395.8	278.8	324.0
17.5°	362.0	357.8	348.5	346.4	351.6	330.3	388.5	393.2	402.0	320.4	328.2
20°	496.7	495.1	495.1	417.1	343.8	480.6	456.1	393.7	404.1	463.4	580.4
22.5°	495.1	492.5	488.9	488.4	560.1	467.6	474.8	569.5	592.4	679.2	655.8
25°	673.0	666.2	564.3	492.0	556.5	523.7	634.5	651.1	602.3	704.7	670.9
27.5°	730.7	717.7	685.5	628.3	560.7	636.6	633.5	647.0	664.2	963.2	922.1
30°	992.3	931.0	758.3	729.7	670.4	644.4	721.9	769.2	838.9	943.4	960.6
32.5°	1110.4	1088.0	1003.8	898.2	783.3	695.9	789.5	777.5	845.1	1146.8	1231.6
35°	1365.2	1337.7	1106.7	1011.6	910.7	852.9	811.9	908.1	991.3	1192.6	1255.0
37.5°	1415.2	1408.9	1355.3	1184.8	1049.5	937.7	950.2	976.2	1030.3	1256.5	1321.0
40°	1454.2	1454.7	1470.3	1323.1	1177.5	1074.0	1036.5	1037.1	1083.3	1361.6	1405.8
42.5°	1557.1	1561.3	1603.4	1446.4	1332.5	1233.1	1168.1	1139.5	1174.9	1482.2	1509.8
45°	1742.8	1733.4	1769.3	1573.3	1449.0	1363.7	1311.7	1268.0	1286.7	1610.7	1642.4
47.5°	1976.3	1956.6	1944.6	1731.4	1575.9	1502.5	1454.2	1408.4	1414.1	1733.4	1794.3
50°	2156.8	2146.9	2085.0	1851.0	1685.1	1642.4	1622.2	1565.5	1541.0	1870.2	1968.0
52.5°	2233.8	2224.4	2148.0	1941.5	1771.4	1776.1	1811.5	1737.6	1669.0	2018.5	2133.4
55°	2220.3	2212.4	2162.0	1986.2	1833.8	1905.1	1997.7	1923.8	1834.9	2158.4	2301.9
57.5°	2120.4	2124.0	2123.5	1989.3	1881.7	2026.3	2179.7	2116.2	2010.7	2297.2	2438.7
60°	1899.9	1919.1	1990.9	1967.0	1942.5	2140.7	2356.5	2326.9	2215.0	2449.6	2565.1
62.5°	1521.8	1559.7	1716.8	1844.7	1991.4	2300.9	2529.2	2532.8	2426.7	2567.7	2662.8
65°	1026.7	1023.5	1257.6	1574.8	1933.7	2552.6	2787.1	2779.9	2622.8	2702.4	2806.9
67.5°	570.5	583.0	736.4	1042.3	1711.6	2708.6	3282.3	3126.2	2893.2	2907.8	3009.2
70°	353.1	368.2	419.7	582.5	1095.8	2526.6	3918.3	3845.5	3393.0	3180.3	3090.9
72.5°	268.4	276.7	318.3	412.9	659.5	1827.6	4129.5	4450.9	3963.1	3247.4	2913.0
75°	160.2	170.1	226.8	356.8	549.7	946.0	3580.3	4247.0	4144.1	3204.8	2542.2
77.5°	99.9	102.5	122.2	249.1	506.6	595.5	2452.7	3289.5	3377.4	2714.3	1796.4
80°	76.5	77.0	84.3	132.6	409.3	563.8	1420.4	2196.8	2153.2	1449.5	705.8
82.5°	48.4	51.5	65.5	81.1	194.5	549.7	839.4	1250.8	1101.0	392.1	196.6
85°	24.4	27.6	46.3	55.6	94.1	595.5	595.5	641.3	450.9	131.6	74.4
87.5°	4.2	4.2	6.2	14.6	18.7	100.9	166.4	145.1	95.7	17.7	14.6
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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	2.6	2.6	2.6	2.1	1.6	1.0	0.5	0.5	0.5	1.0	1.0
5°	2.6	2.6	2.6	2.1	1.6	1.0	0.5	0.5	1.0	1.6	1.6
7.5°	2.6	2.6	2.6	2.1	1.6	1.6	1.0	2.1	4.7	60.9	41.1
10°	3.1	3.1	3.1	2.6	2.1	5.7	177.9	187.8	188.3	187.2	185.2
12.5°	16.6	18.2	13.5	4.7	19.2	178.4	171.1	162.8	159.7	156.0	156.0
15°	328.7	324.5	306.3	225.7	138.3	159.1	143.0	132.1	204.9	202.3	204.4
17.5°	329.7	322.5	296.4	323.0	299.6	143.0	162.3	176.3	166.4	162.8	164.3
20°	625.7	591.9	300.6	301.1	256.9	253.8	137.8	130.0	131.6	134.7	135.7
22.5°	637.1	598.1	461.3	390.1	220.5	203.4	140.9	112.9	166.9	185.7	187.8
25°	642.3	593.4	435.8	345.3	249.1	152.4	136.3	123.8	152.4	171.1	172.1
27.5°	908.1	822.8	595.5	293.3	192.4	133.7	127.4	116.5	136.8	169.5	170.1
30°	900.3	799.9	551.8	284.0	148.7	123.3	110.3	121.7	129.0	137.8	137.8
32.5°	1170.7	1026.7	612.1	228.8	124.8	102.5	104.0	110.8	111.3	131.6	133.1
35°	1171.2	1004.3	527.4	209.1	107.1	93.6	95.2	102.5	113.4	126.4	128.5
37.5°	1189.4	994.4	454.6	162.8	107.1	93.6	90.5	97.8	105.6	123.8	125.9
40°	1227.9	998.6	385.4	135.2	103.5	92.1	89.5	95.2	104.5	114.9	116.0
42.5°	1293.5	1022.0	319.9	122.2	100.9	92.1	85.8	90.0	95.2	116.5	118.6
45°	1397.5	1071.9	269.4	117.0	99.9	88.4	81.7	82.7	86.3	137.8	143.5
47.5°	1519.2	1141.1	225.7	114.4	98.3	84.8	75.4	76.5	84.8	156.5	164.3
50°	1659.6	1243.5	199.7	113.9	96.7	79.6	70.7	76.5	93.6	156.0	159.7
52.5°	1824.5	1347.5	185.7	116.0	95.7	74.9	73.3	85.8	88.9	125.3	125.3
55°	1972.7	1463.0	186.7	117.5	92.6	74.9	75.4	72.8	70.2	86.3	86.9
57.5°	2118.3	1577.9	203.9	114.4	87.9	75.4	65.0	59.8	60.9	73.3	74.9
60°	2244.7	1688.7	255.4	107.7	83.7	68.1	60.3	56.2	57.2	73.9	75.4
62.5°	2381.0	1823.9	353.7	110.3	83.2	64.5	56.2	51.5	53.6	61.4	62.4
65°	2565.1	2012.7	442.1	130.0	86.3	62.4	51.5	48.9	49.4	49.9	49.9
67.5°	2745.5	2129.2	426.5	153.4	96.7	61.4	48.9	45.8	45.2	45.2	45.2
70°	2727.9	2002.9	338.1	162.8	105.1	61.4	46.8	42.6	41.6	41.6	41.6
72.5°	2472.5	1713.2	259.5	150.8	96.7	58.8	43.7	39.0	37.4	37.4	37.4
75°	2103.8	1374.1	217.9	131.1	79.1	50.4	38.5	34.8	33.8	33.8	33.3
77.5°	1343.9	812.4	185.2	106.6	60.9	41.1	33.3	30.2	30.2	30.2	28.6
80°	539.3	357.3	144.1	84.3	47.3	32.8	27.6	26.0	25.5	25.0	23.4
82.5°	204.9	176.3	93.6	61.4	36.4	25.0	22.4	20.8	20.8	20.3	17.7
85°	73.3	68.7	43.2	35.4	22.4	15.6	17.2	15.6	15.1	13.5	11.4
87.5°	15.6	17.2	12.0	7.8	7.8	4.7	5.7	6.2	6.2	5.7	3.1
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)