

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: P415294

Luminaire Tested: **LXF.LXT-PA1-40-830-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415294
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-PA1-40-830-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA 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: 4001 lumens
Efficiency: N/A
Efficacy: 100.0 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): 40
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

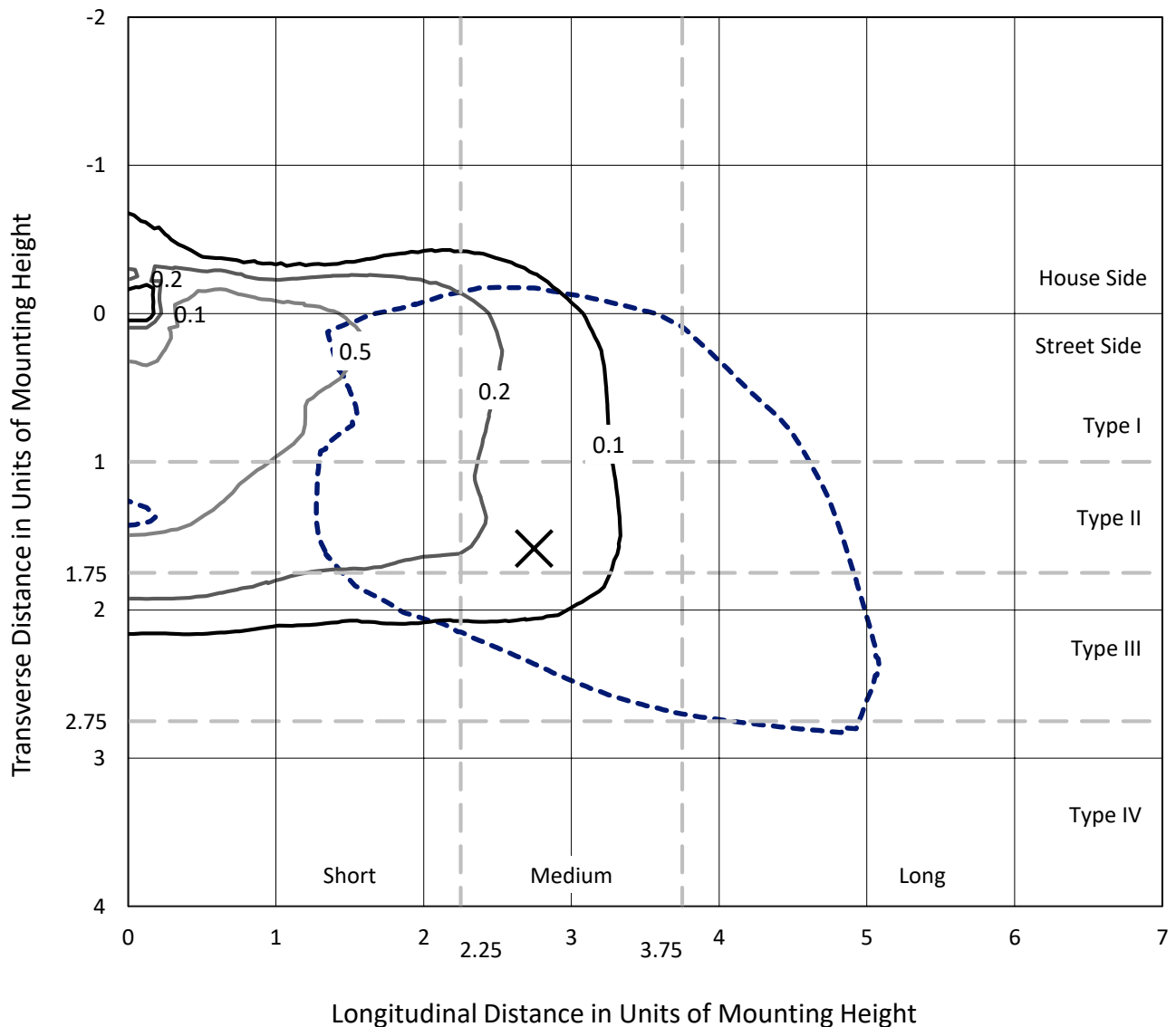


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

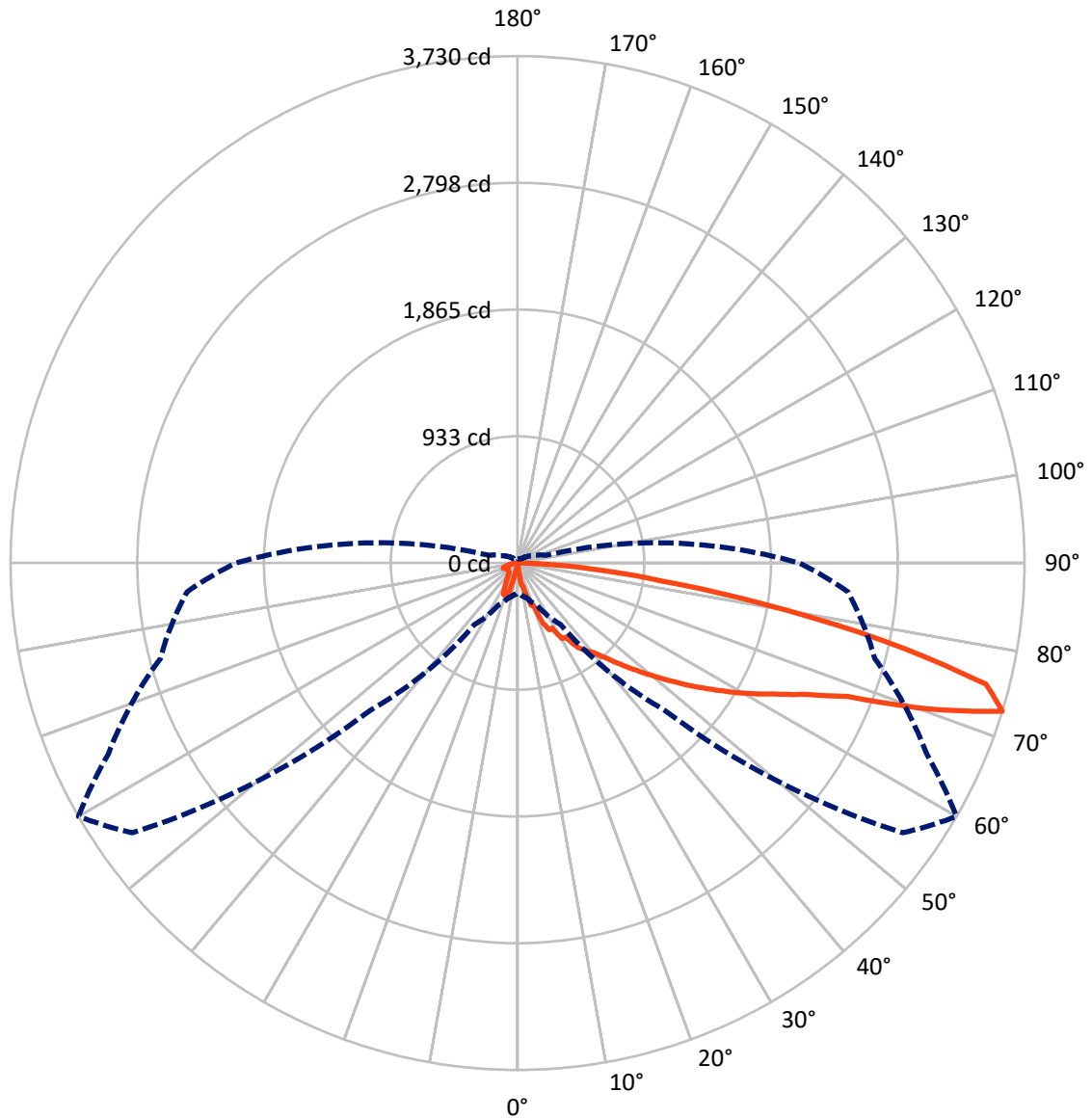


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Medium - Non-Cutoff

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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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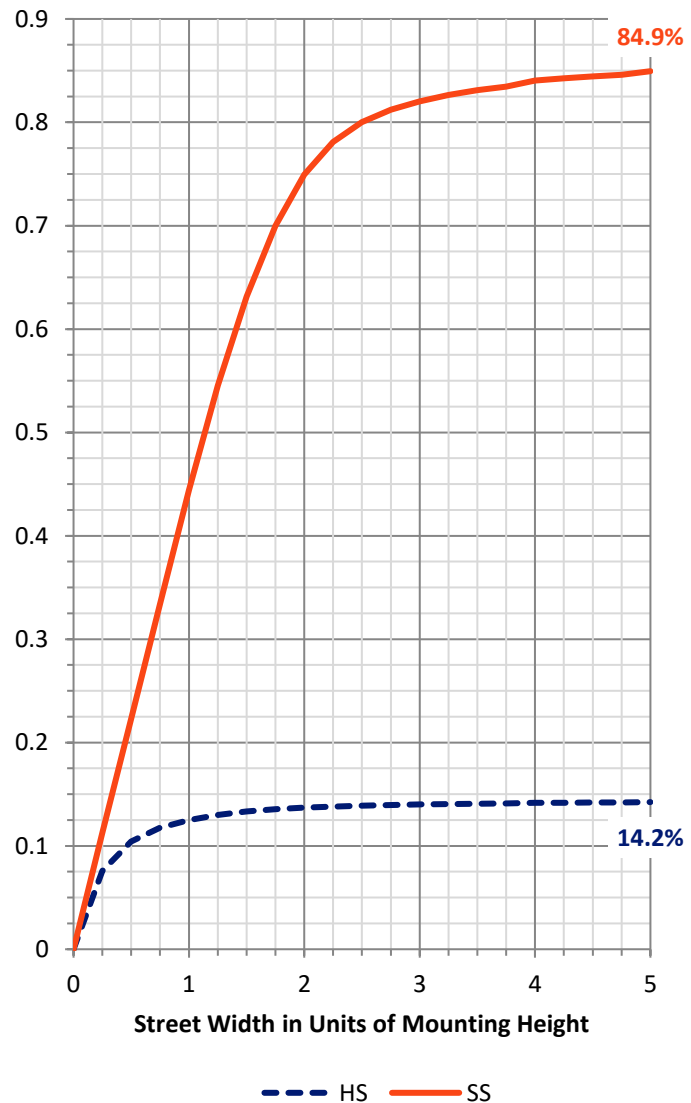
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	576.2	0.0	576.2
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	3424.8	0.0	3424.8
	% Fixture	85.6	0.0	85.6
Total	Lumens	4001.0	0.0	4001.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.1
10°-20°	58.4	1.5
20°-30°	175.6	4.4
30°-40°	347.4	8.7
40°-50°	575.5	14.4
50°-60°	859.7	21.5
60°-70°	1022.7	25.6
70°-80°	818.7	20.5
80°-90°	138.9	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°	4001.0	100.0
0°-180°	4001.0	100.0

Coefficient of Utilization



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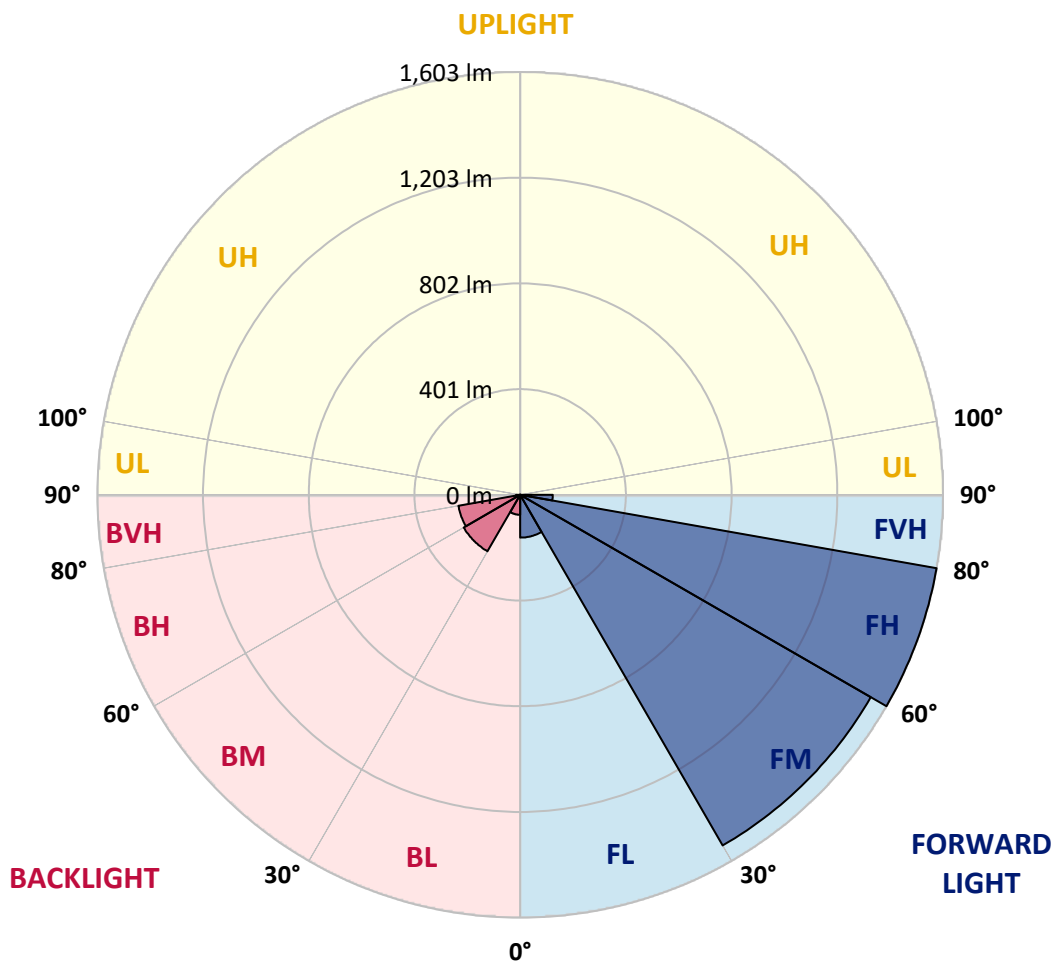
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	162.4	4.1			
FM	(30°-60°)	1535.3	38.4			
FH	(60°-80°)	1603.5	40.1			G1/1800
FVH	(80°-90°)	123.6	3.1			G2/225
BL	(0°-30°)	75.8	1.9	B0/110		
BM	(30°-60°)	247.2	6.2	B1/1000		
BH	(60°-80°)	237.8	5.9	B1/500		G1/500
BVH	(80°-90°)	15.3	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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.2	2.2	2.6	3.1	3.1	2.6	2.2	2.2	2.2	1.7	2.2
5°	149.5	75.4	50.6	24.0	17.9	8.7	3.5	2.6	2.6	2.2	2.2
7.5°	171.7	171.7	172.2	173.9	175.2	176.1	21.8	11.3	4.4	2.2	2.2
10°	165.6	164.3	165.2	166.9	168.7	171.3	174.3	165.6	19.6	3.5	2.6
12.5°	306.0	305.1	294.7	179.6	166.5	166.5	170.9	171.3	134.7	13.1	12.6
15°	295.1	294.7	296.0	299.0	303.8	172.2	174.8	254.6	331.7	233.6	271.6
17.5°	303.4	299.9	292.0	290.3	294.7	276.8	325.6	329.5	336.9	268.5	275.0
20°	416.3	415.0	415.0	349.6	288.1	402.7	382.3	330.0	338.7	388.4	486.4
22.5°	415.0	412.8	409.7	409.3	469.4	391.9	398.0	477.3	496.5	569.3	549.6
25°	564.0	558.4	472.9	412.3	466.4	438.9	531.8	545.7	504.7	590.6	562.3
27.5°	612.4	601.5	574.5	526.5	469.9	533.5	530.9	542.2	556.6	807.2	772.8
30°	831.6	780.2	635.5	611.5	561.8	540.0	605.0	644.7	703.1	790.7	805.1
32.5°	930.6	911.9	841.2	752.8	656.4	583.2	661.7	651.6	708.3	961.1	1032.2
35°	1144.2	1121.1	927.5	847.8	763.2	714.8	680.4	761.0	830.8	999.5	1051.8
37.5°	1186.0	1180.8	1135.9	992.9	879.6	785.9	796.3	818.1	863.5	1053.1	1107.1
40°	1218.7	1219.1	1232.2	1108.9	986.8	900.1	868.7	869.1	907.9	1141.1	1178.2
42.5°	1305.0	1308.5	1343.8	1212.2	1116.7	1033.5	979.0	955.0	984.6	1242.2	1265.3
45°	1460.6	1452.8	1482.8	1318.5	1214.3	1142.9	1099.3	1062.7	1078.4	1349.9	1376.5
47.5°	1656.3	1639.8	1629.7	1451.0	1320.7	1259.2	1218.7	1180.3	1185.1	1452.8	1503.8
50°	1807.6	1799.3	1747.4	1551.3	1412.2	1376.5	1359.5	1312.0	1291.5	1567.4	1649.4
52.5°	1872.1	1864.2	1800.2	1627.1	1484.6	1488.5	1518.2	1456.3	1398.7	1691.6	1788.0
55°	1860.8	1854.2	1811.9	1664.6	1536.9	1596.6	1674.2	1612.3	1537.8	1808.9	1929.2
57.5°	1777.1	1780.1	1779.7	1667.2	1577.0	1698.2	1826.8	1773.6	1685.1	1925.3	2043.8
60°	1592.3	1608.4	1668.5	1648.5	1628.0	1794.1	1974.9	1950.1	1856.4	2053.0	2149.7
62.5°	1275.4	1307.2	1438.8	1546.0	1669.0	1928.3	2119.7	2122.7	2033.8	2151.9	2231.7
65°	860.4	857.8	1053.9	1319.8	1620.6	2139.3	2335.9	2329.8	2198.1	2264.8	2352.4
67.5°	478.2	488.6	617.2	873.5	1434.5	2270.0	2750.8	2620.0	2424.8	2437.0	2522.0
70°	296.0	308.6	351.8	488.2	918.4	2117.5	3283.9	3222.9	2843.6	2665.4	2590.4
72.5°	224.9	231.9	266.8	346.1	552.7	1531.7	3460.8	3730.2	3321.4	2721.6	2441.3
75°	134.2	142.5	190.0	299.0	460.7	792.9	3000.6	3559.4	3473.1	2685.9	2130.6
77.5°	83.7	85.9	102.4	208.8	424.5	499.1	2055.6	2756.9	2830.6	2274.8	1505.5
80°	64.1	64.5	70.6	111.1	343.0	472.5	1190.4	1841.1	1804.5	1214.8	591.5
82.5°	40.5	43.2	54.9	68.0	163.0	460.7	703.5	1048.3	922.7	328.6	164.8
85°	20.5	23.1	38.8	46.6	78.9	499.1	499.1	537.4	377.9	110.3	62.3
87.5°	3.5	3.5	5.2	12.2	15.7	84.6	139.5	121.6	80.2	14.8	12.2
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	2.2	2.2	2.2	1.7	1.3	0.9	0.4	0.4	0.4	0.9	0.9
5°	2.2	2.2	2.2	1.7	1.3	0.9	0.4	0.4	0.9	1.3	1.3
7.5°	2.2	2.2	2.2	1.7	1.3	1.3	0.9	1.7	3.9	51.0	34.4
10°	2.6	2.6	2.6	2.2	1.7	4.8	149.1	157.4	157.8	156.9	155.2
12.5°	13.9	15.3	11.3	3.9	16.1	149.5	143.4	136.4	133.8	130.8	130.8
15°	275.5	272.0	256.7	189.2	115.9	133.4	119.9	110.7	171.7	169.6	171.3
17.5°	276.3	270.2	248.4	270.7	251.1	119.9	136.0	147.8	139.5	136.4	137.7
20°	524.4	496.0	251.9	252.4	215.3	212.7	115.5	109.0	110.3	112.9	113.8
22.5°	533.9	501.3	386.6	326.9	184.8	170.4	118.1	94.6	139.9	155.6	157.4
25°	538.3	497.3	365.3	289.4	208.8	127.7	114.2	103.7	127.7	143.4	144.3
27.5°	761.0	689.6	499.1	245.8	161.3	112.0	106.8	97.6	114.6	142.1	142.5
30°	754.5	670.4	462.5	238.0	124.7	103.3	92.4	102.0	108.1	115.5	115.5
32.5°	981.2	860.4	513.0	191.8	104.6	85.9	87.2	92.8	93.3	110.3	111.6
35°	981.6	841.7	442.0	175.2	89.8	78.5	79.8	85.9	95.0	105.9	107.7
37.5°	996.8	833.4	381.0	136.4	89.8	78.5	75.8	81.9	88.5	103.7	105.5
40°	1029.1	836.9	323.0	113.3	86.7	77.1	75.0	79.8	87.6	96.3	97.2
42.5°	1084.0	856.5	268.1	102.4	84.6	77.1	71.9	75.4	79.8	97.6	99.4
45°	1171.2	898.3	225.8	98.1	83.7	74.1	68.4	69.3	72.4	115.5	120.3
47.5°	1273.2	956.3	189.2	95.9	82.4	71.0	63.2	64.1	71.0	131.2	137.7
50°	1390.9	1042.2	167.4	95.5	81.1	66.7	59.3	64.1	78.5	130.8	133.8
52.5°	1529.0	1129.4	155.6	97.2	80.2	62.8	61.5	71.9	74.5	105.0	105.0
55°	1653.3	1226.1	156.5	98.5	77.6	62.8	63.2	61.0	58.8	72.4	72.8
57.5°	1775.3	1322.4	170.9	95.9	73.7	63.2	54.5	50.1	51.0	61.5	62.8
60°	1881.2	1415.3	214.0	90.2	70.2	57.1	50.6	47.1	47.9	61.9	63.2
62.5°	1995.4	1528.6	296.4	92.4	69.7	54.0	47.1	43.2	44.9	51.4	52.3
65°	2149.7	1686.8	370.5	109.0	72.4	52.3	43.2	41.0	41.4	41.8	41.8
67.5°	2301.0	1784.5	357.4	128.6	81.1	51.4	41.0	38.4	37.9	37.9	37.9
70°	2286.2	1678.6	283.3	136.4	88.0	51.4	39.2	35.7	34.9	34.9	34.9
72.5°	2072.1	1435.8	217.5	126.4	81.1	49.3	36.6	32.7	31.4	31.4	31.4
75°	1763.1	1151.6	182.6	109.8	66.3	42.3	32.3	29.2	28.3	28.3	27.9
77.5°	1126.3	680.8	155.2	89.4	51.0	34.4	27.9	25.3	25.3	25.3	24.0
80°	452.0	299.4	120.7	70.6	39.7	27.5	23.1	21.8	21.4	20.9	19.6
82.5°	171.7	147.8	78.5	51.4	30.5	20.9	18.7	17.4	17.4	17.0	14.8
85°	61.5	57.5	36.2	29.6	18.7	13.1	14.4	13.1	12.6	11.3	9.6
87.5°	13.1	14.4	10.0	6.5	6.5	3.9	4.8	5.2	5.2	4.8	2.6
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)