

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: P414030

Luminaire Tested: **LXF.LXT-PA1-100-827-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414030
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-827-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7401 lumens
Efficiency: N/A
Efficacy: 77.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G2

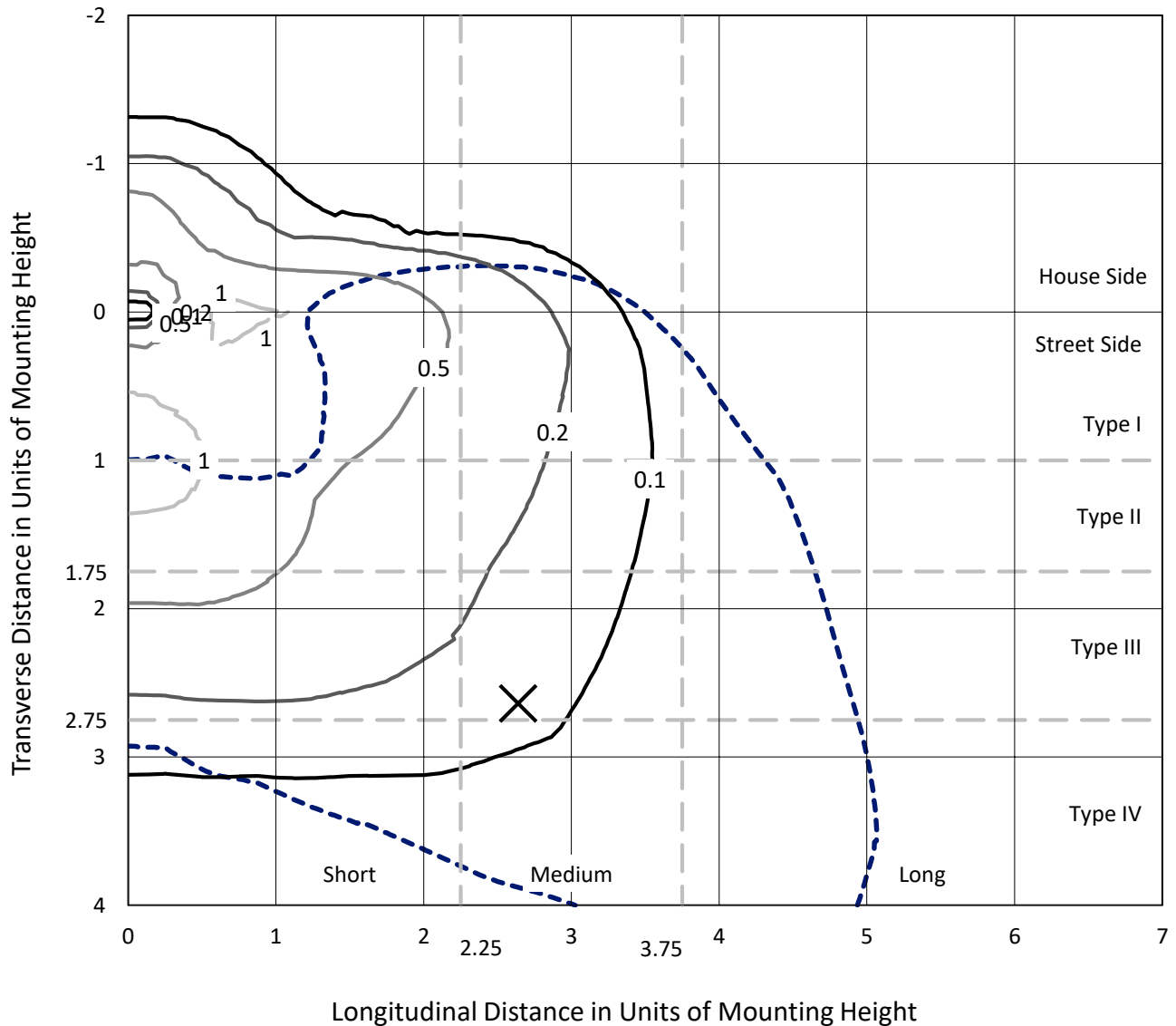
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P414030
 CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

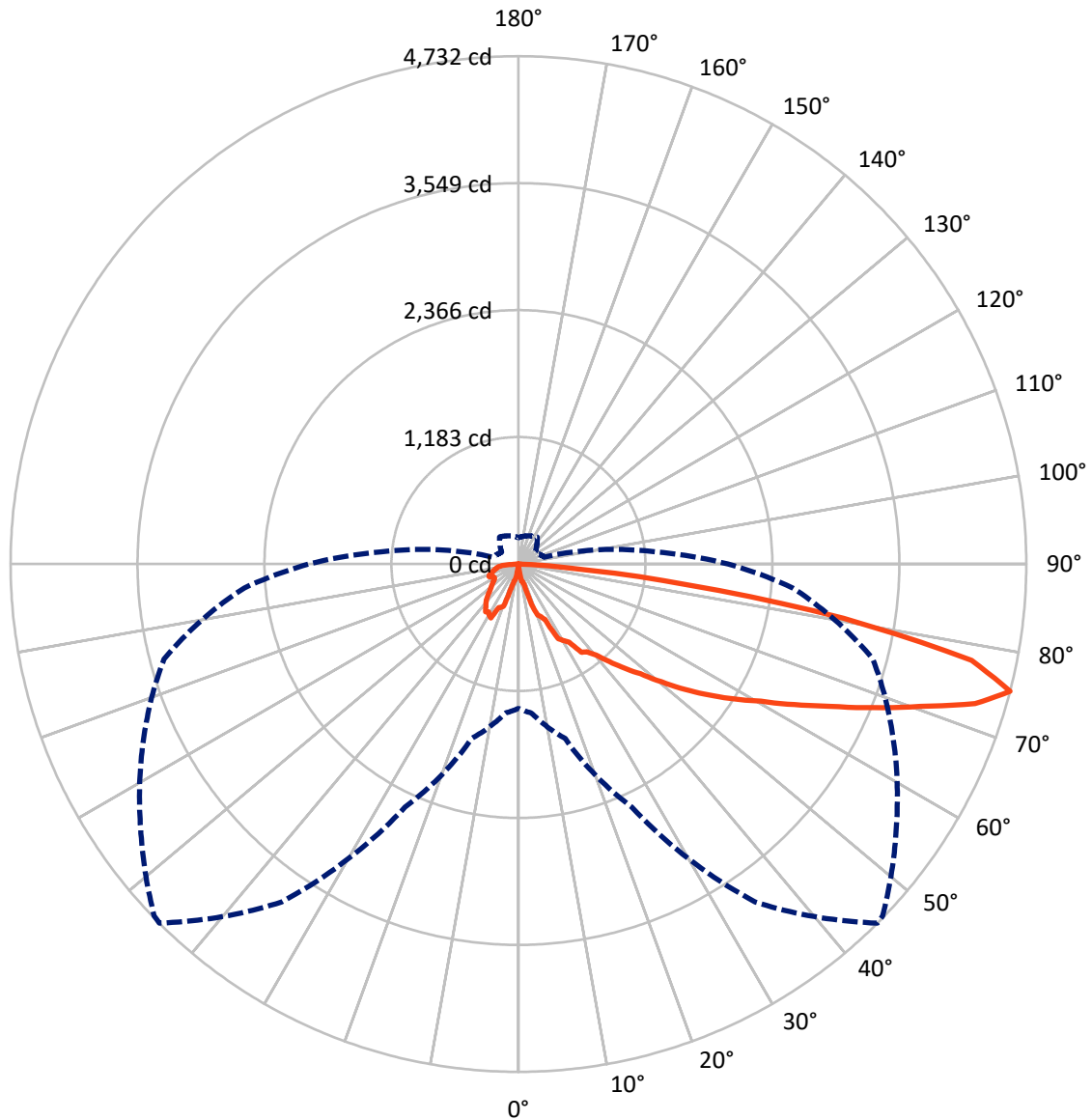
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P414030
CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

REPORT NUMBER: P414030

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W

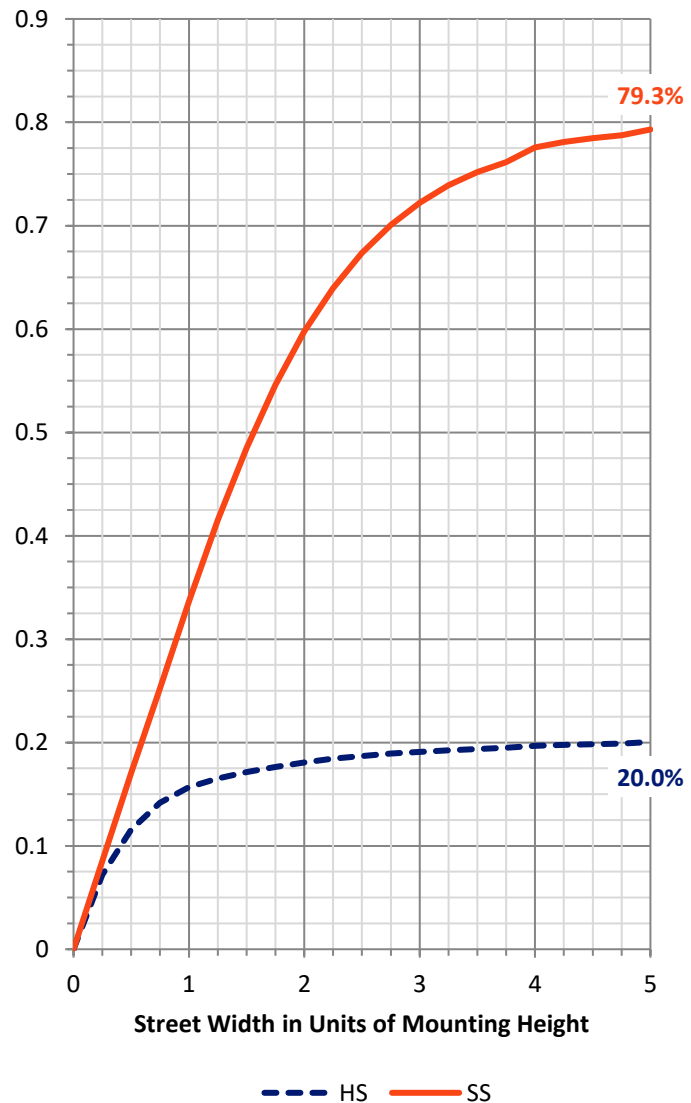
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1517.9	0.0	1517.9
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	5883.0	0.0	5883.0
	% Fixture	79.5	0.0	79.5
Total	Lumens	7401.0	0.0	7401.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.1
10°-20°	76.4	1.0
20°-30°	284.4	3.8
30°-40°	585.9	7.9
40°-50°	929.0	12.6
50°-60°	1468.6	19.8
60°-70°	2063.3	27.9
70°-80°	1717.7	23.2
80°-90°	270.8	3.7
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°	7401.0	100.0
0°-180°	7401.0	100.0

Coefficient of Utilization



REPORT NUMBER: P414030

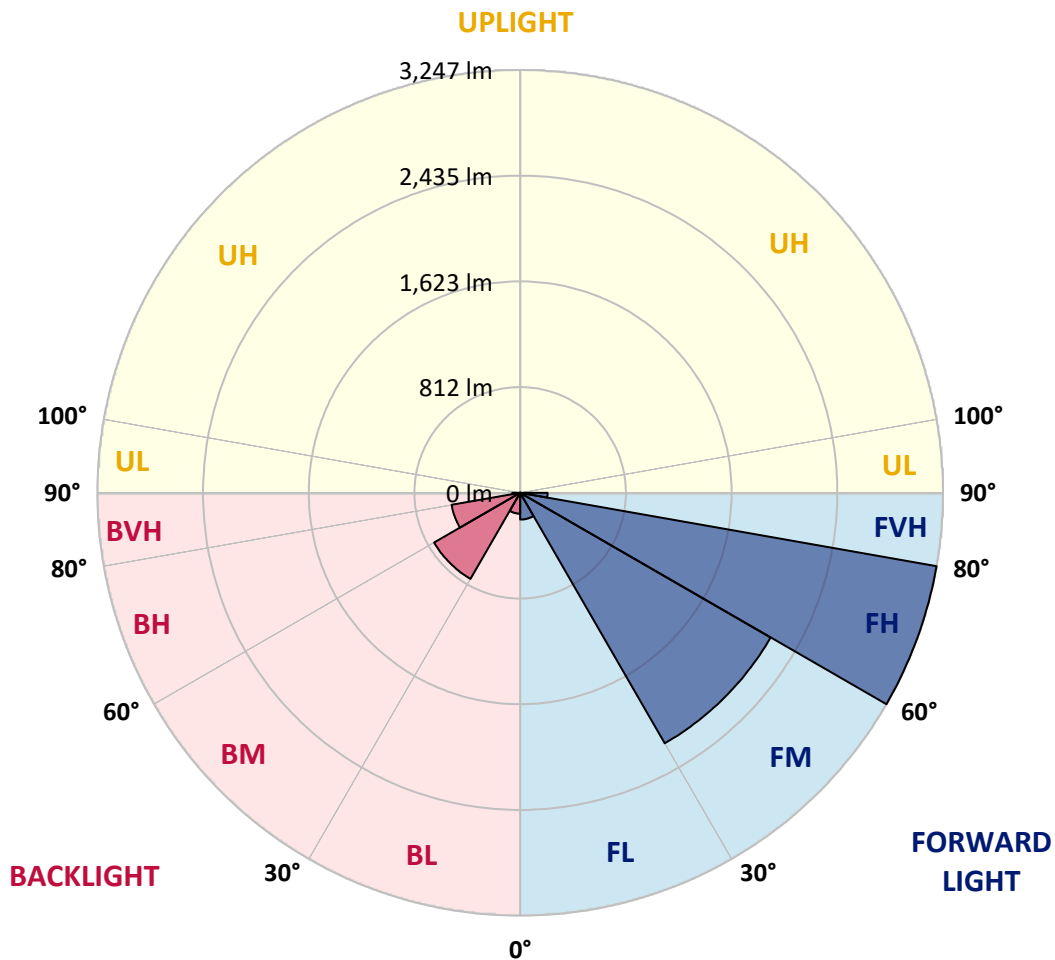
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	205.5	2.8			
FM	(30°-60°)	2220.6	30.0			
FH	(60°-80°)	3246.6	43.9			G2/5000
FVH	(80°-90°)	210.3	2.8			G2/225
BL	(0°-30°)	160.2	2.2	B1/500		
BM	(30°-60°)	762.9	10.3	B1/1000		
BH	(60°-80°)	534.4	7.2	B2/1000		G2/1000
BVH	(80°-90°)	60.5	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Medium





REPORT NUMBER: P414030

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	4.0	4.0	4.0	4.0	4.0	3.2	3.2	2.4	3.2	3.2	3.2
5°	57.0	53.8	42.5	37.7	31.3	12.8	10.4	4.8	4.0	4.0	3.2
7.5°	169.4	167.8	165.3	159.7	152.5	95.5	82.7	29.7	5.6	4.0	3.2
10°	187.0	183.8	179.8	174.2	167.8	159.7	158.9	146.1	26.5	8.8	7.2
12.5°	367.6	361.2	301.8	218.3	180.6	171.0	171.0	165.3	119.6	41.7	97.9
15°	394.9	391.7	380.5	366.0	344.3	198.3	194.2	258.5	318.7	223.1	236.8
17.5°	443.9	436.6	402.1	384.5	368.4	399.7	397.3	370.0	349.2	247.2	265.7
20°	618.9	614.8	600.4	430.2	396.5	505.7	507.3	419.8	379.7	437.5	434.2
22.5°	633.3	632.5	622.1	596.4	628.5	530.6	531.4	557.8	554.6	580.3	526.5
25°	828.3	825.9	670.2	614.8	686.3	571.5	597.2	691.9	618.0	629.3	657.4
27.5°	850.0	848.4	839.6	801.1	710.4	787.4	787.4	715.2	787.4	824.3	829.1
30°	966.4	935.9	874.1	855.6	827.5	826.7	829.1	828.3	911.0	862.9	911.0
32.5°	1136.6	1130.1	1107.7	927.9	919.9	866.9	894.2	956.8	951.2	1097.2	1159.8
35°	1382.2	1294.7	1215.2	1070.8	955.2	1009.7	1013.8	992.1	1107.7	1154.2	1242.5
37.5°	1724.9	1700.8	1588.5	1205.6	1064.3	1037.8	1040.2	1110.9	1177.5	1228.9	1327.6
40°	1974.5	1961.7	1883.8	1476.1	1167.1	1114.1	1119.7	1165.5	1227.3	1318.8	1421.5
42.5°	2213.7	2213.7	2168.0	1707.3	1387.8	1244.1	1240.1	1249.7	1293.9	1390.2	1560.4
45°	2369.5	2360.6	2399.2	1924.8	1552.3	1383.8	1368.5	1366.1	1382.2	1496.2	1746.6
47.5°	2526.0	2501.9	2538.8	2144.7	1767.5	1528.3	1529.9	1500.2	1521.8	1696.8	2001.0
50°	2691.3	2696.1	2691.3	2330.1	1978.6	1724.9	1711.3	1673.5	1716.9	1932.0	2286.0
52.5°	2927.3	2910.5	2863.1	2566.1	2248.3	1943.2	1921.6	1867.0	1968.9	2208.9	2642.4
55°	3099.1	3083.0	3070.2	2818.9	2455.3	2154.3	2141.5	2081.3	2272.3	2488.3	3010.0
57.5°	3286.1	3266.8	3303.8	3164.1	2780.4	2375.1	2358.2	2321.3	2583.8	2806.9	3384.0
60°	3412.1	3412.9	3514.1	3412.9	3051.7	2595.8	2579.8	2607.0	2868.7	3099.1	3787.8
62.5°	3412.1	3438.6	3660.9	3685.0	3342.3	2884.0	2855.9	2871.1	3178.5	3405.7	4119.3
65°	3088.6	3121.6	3640.1	3763.7	3633.6	3195.4	3181.8	3172.1	3471.5	3648.1	4379.3
67.5°	2758.7	2799.7	3323.8	3767.7	3872.0	3573.4	3523.7	3442.6	3724.4	3828.7	4519.0
70°	2530.0	2563.7	2980.3	3638.5	4026.2	3970.0	3937.1	3723.5	3893.7	3943.5	4361.7
72.5°	2158.4	2161.6	2532.4	3365.6	4129.7	4449.2	4372.1	4035.0	3989.2	3868.8	3698.7
75°	1345.3	1394.2	1683.2	2497.9	3843.9	4731.7	4717.2	4296.6	3852.8	3418.5	2564.5
77.5°	500.9	529.8	703.9	1282.7	2750.7	4315.9	4328.8	4012.5	3258.8	2477.0	1377.4
80°	162.9	175.0	232.8	413.4	1221.7	3071.8	3172.1	2846.2	1998.6	1258.6	580.3
82.5°	90.7	87.5	134.8	214.3	521.7	1591.7	1657.5	1368.5	942.3	526.5	216.7
85°	41.7	43.3	64.2	116.4	278.5	443.9	479.2	468.0	357.2	216.7	79.5
87.5°	8.8	10.4	14.4	27.3	43.3	37.7	27.3	48.2	69.8	51.4	13.6
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: P414030

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	3.2	3.2	2.4	2.4	1.6	1.6	0.8	0.8	1.6	1.6	1.6
5°	3.2	3.2	2.4	2.4	2.4	2.4	3.2	5.6	6.4	7.2	6.4
7.5°	3.2	3.2	3.2	3.2	4.0	8.0	37.7	115.6	122.8	125.2	128.4
10°	7.2	6.4	6.4	7.2	24.9	121.2	146.1	154.1	158.1	160.5	159.7
12.5°	111.6	110.8	40.9	24.9	116.4	153.3	157.3	162.1	170.2	178.2	175.0
15°	236.0	235.2	216.7	224.7	226.4	167.0	170.2	278.5	297.0	309.0	313.0
17.5°	256.9	259.3	252.0	310.6	317.9	252.8	283.3	310.6	317.1	321.1	321.9
20°	476.8	428.6	366.8	347.6	338.7	417.4	316.2	319.5	412.6	442.3	445.5
22.5°	524.1	520.1	486.4	500.9	423.0	435.0	409.4	431.8	473.6	482.4	482.4
25°	676.6	669.4	555.4	521.7	537.0	447.1	516.9	470.4	485.6	501.7	503.3
27.5°	831.6	822.7	741.7	586.7	532.2	564.3	524.9	567.5	614.0	636.5	637.3
30°	903.8	891.8	773.8	661.4	553.8	552.2	551.4	627.7	623.7	638.1	642.1
32.5°	1200.8	1181.5	988.9	650.2	574.7	524.9	585.1	610.8	702.3	747.3	752.1
35°	1273.0	1248.9	993.7	719.2	542.6	541.0	542.6	626.9	676.6	708.8	716.0
37.5°	1355.7	1322.8	982.5	674.2	555.4	504.1	516.1	565.9	674.2	746.5	752.1
40°	1458.4	1407.9	979.2	629.3	517.7	476.8	474.4	541.0	589.2	633.3	637.3
42.5°	1600.5	1519.4	974.4	582.7	473.6	443.9	447.9	476.8	515.3	511.3	517.7
45°	1789.1	1658.3	966.4	541.8	428.6	402.9	400.5	421.4	439.1	413.4	406.1
47.5°	2025.1	1830.1	979.2	502.5	386.9	362.8	363.6	372.4	375.6	347.6	341.1
50°	2293.2	2024.3	992.9	459.1	353.2	334.7	330.7	333.9	329.1	301.8	299.4
52.5°	2612.7	2252.3	1000.1	418.2	325.9	311.4	306.6	304.2	297.0	278.5	276.1
55°	2982.7	2526.0	1015.4	385.3	303.4	289.8	287.4	284.1	281.7	271.3	269.7
57.5°	3361.5	2827.8	1006.5	351.6	281.7	269.7	274.5	280.1	286.6	282.5	281.7
60°	3709.1	3068.6	897.4	321.9	260.9	257.7	278.5	305.0	309.8	313.8	313.0
62.5°	3969.2	3189.8	712.0	296.2	246.4	258.5	309.0	345.9	341.1	330.7	328.3
65°	4060.7	3156.1	548.2	276.9	239.2	280.1	341.1	360.4	333.1	313.8	309.8
67.5°	3999.7	2989.9	424.6	260.9	235.2	298.6	352.4	346.7	315.4	301.0	295.4
70°	3687.4	2644.0	337.1	247.2	231.2	287.4	346.7	330.7	301.0	288.2	279.3
72.5°	3017.2	2090.9	289.0	232.0	214.3	264.1	329.1	309.0	288.2	271.3	263.3
75°	1951.3	1285.9	251.2	214.3	191.8	239.2	306.6	288.2	270.5	253.6	245.6
77.5°	939.1	584.3	219.9	192.6	171.0	220.7	288.2	266.5	248.8	232.0	222.3
80°	395.7	276.1	187.8	171.0	155.7	207.1	268.1	243.2	223.1	211.1	200.7
82.5°	192.6	152.5	142.9	138.9	135.6	188.6	246.4	215.9	195.0	183.8	160.5
85°	65.0	65.8	88.3	85.9	95.5	150.9	201.5	163.7	146.1	126.8	118.8
87.5°	6.4	8.8	12.0	15.3	31.3	41.7	69.0	56.2	44.1	16.9	11.2
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)