

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: P413813

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P413813  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-100-730-U-T3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9236 lumens  
Efficiency: N/A  
Efficacy: 96.2 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

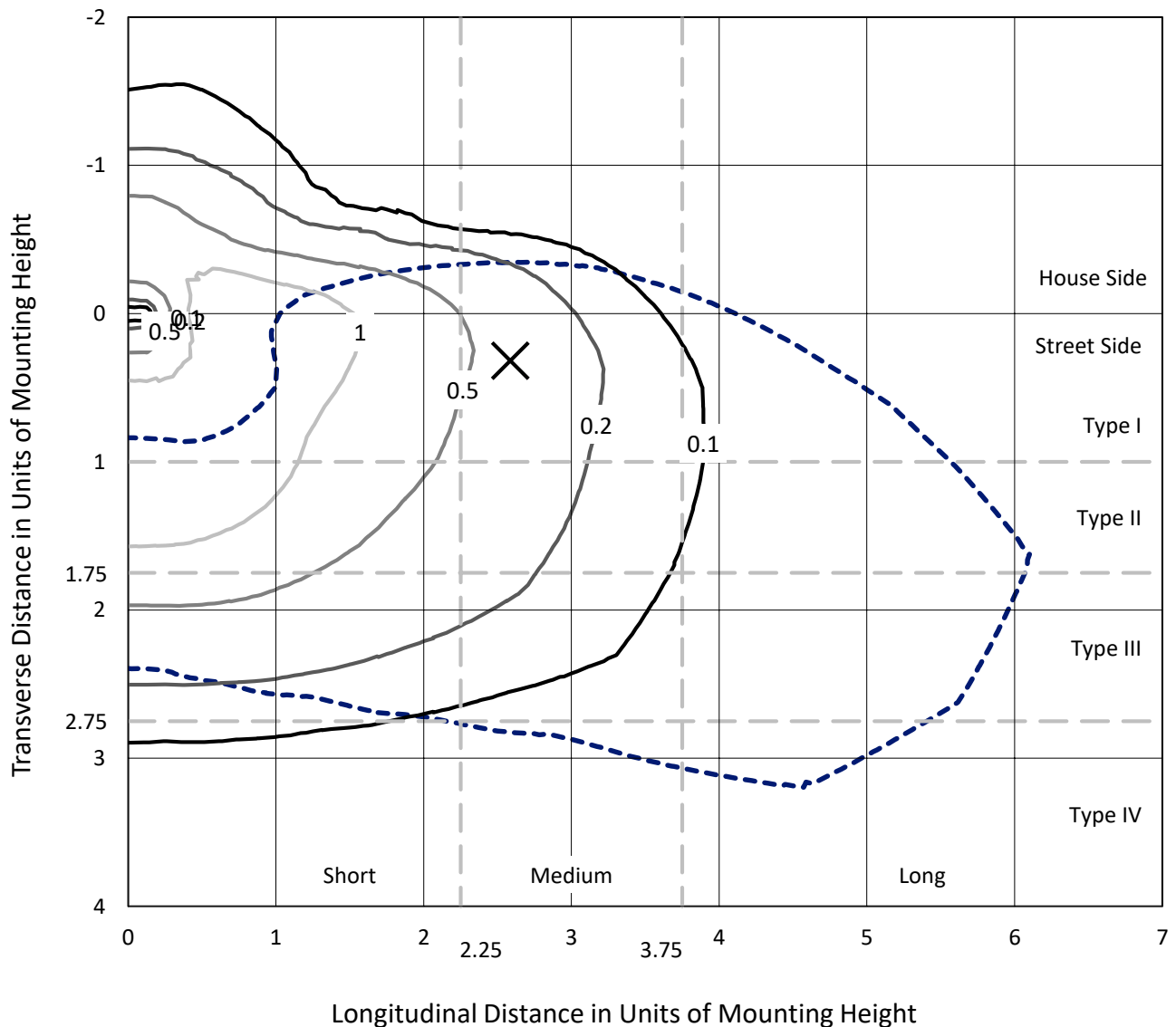
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

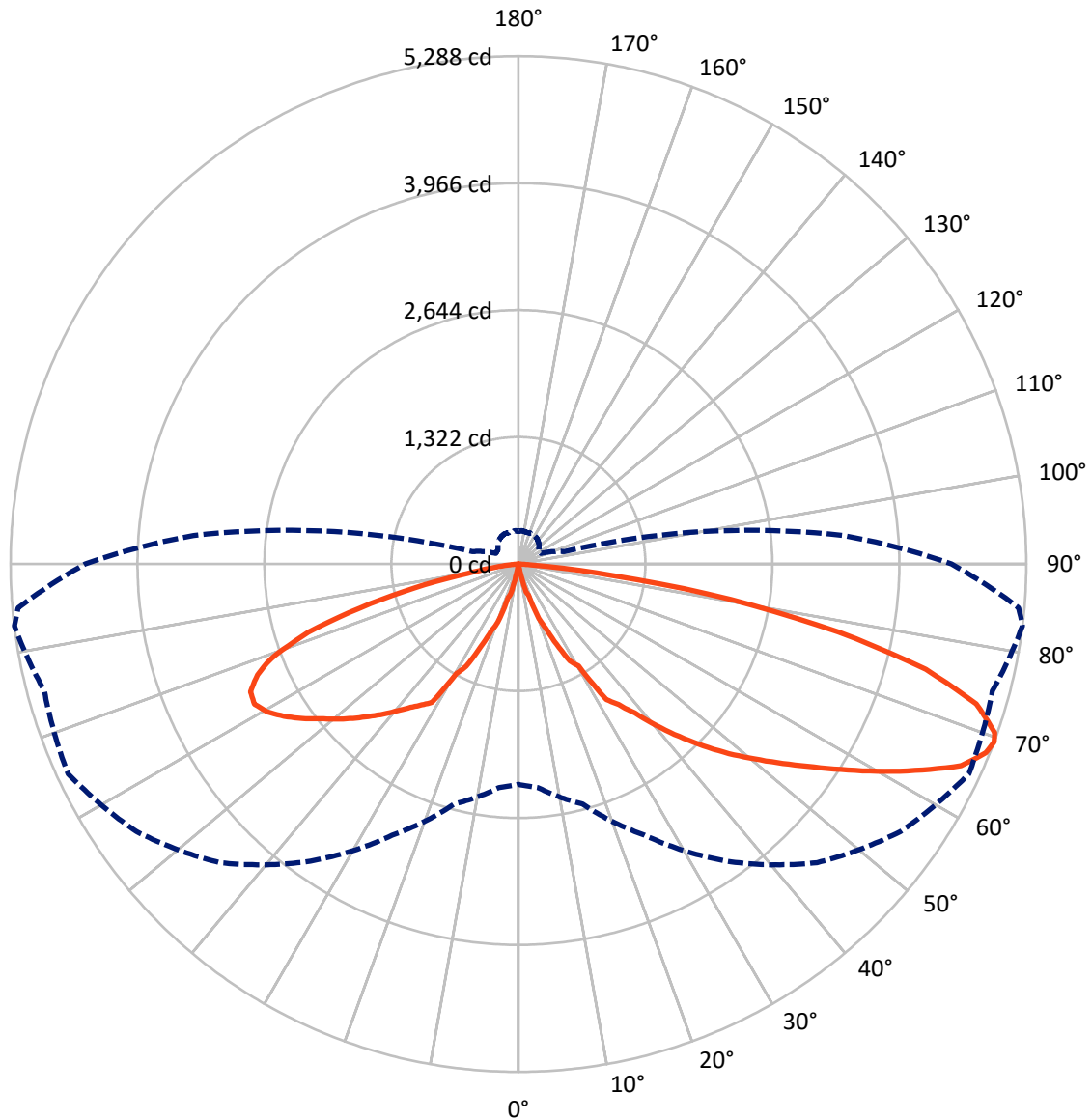


Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral    - - - Horizontal Cone Through 69-Deg Vertical



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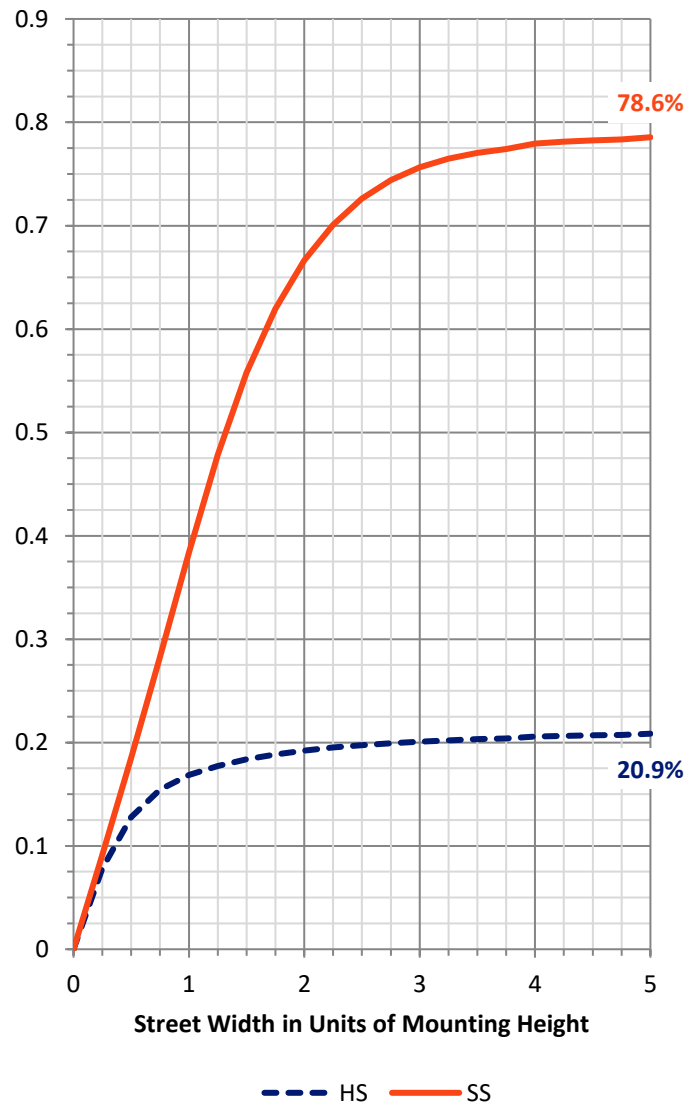
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1959.0	0.0	1959.0
	% Fixture	21.2	0.0	21.2
<b>Street Side</b>	Lumens	7277.0	0.0	7277.0
	% Fixture	78.8	0.0	78.8
<b>Total</b>	Lumens	9236.0	0.0	9236.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.9	0.1
10°-20°	93.9	1.0
20°-30°	370.4	4.0
30°-40°	824.2	8.9
40°-50°	1399.6	15.2
50°-60°	2085.7	22.6
60°-70°	2456.3	26.6
70°-80°	1719.3	18.6
80°-90°	280.7	3.0
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°	9236.0	100.0
0°-180°	9236.0	100.0

**Coefficient of Utilization**



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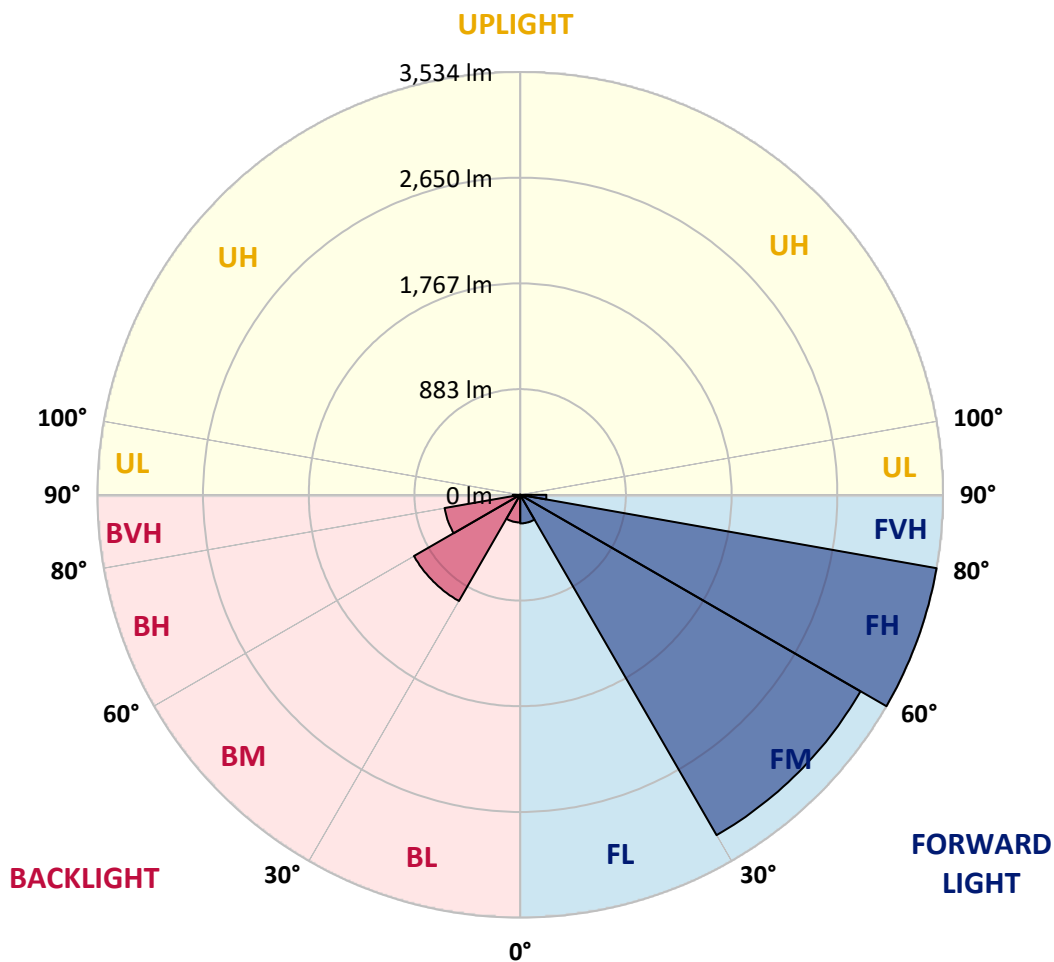
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	239.2	2.6			
FM (30°-60°)	3284.5	35.6			
FH (60°-80°)	3534.0	38.3			G2/5000
FVH (80°-90°)	219.4	2.4			G2/225
BL (0°-30°)	231.0	2.5	B1/500		
BM (30°-60°)	1025.1	11.1	B2/2500		
BH (60°-80°)	641.6	6.9	B2/1000		G2/1000
BVH (80°-90°)	61.3	0.7			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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	5.0	4.0	5.0	6.0	6.0	5.0	4.0	4.0	4.0	4.0	3.0
5°	80.5	58.7	52.7	46.7	27.8	9.9	6.0	4.0	4.0	4.0	4.0
7.5°	170.0	170.0	170.0	171.0	170.0	126.3	29.8	7.0	4.0	4.0	4.0
10°	172.0	171.0	170.0	171.0	173.0	174.0	168.0	23.9	9.9	8.9	8.9
12.5°	311.2	309.2	298.3	208.8	177.0	178.0	182.0	131.2	47.7	126.3	147.2
15°	330.1	328.1	328.1	329.1	312.2	193.9	273.4	357.9	254.5	304.3	309.2
17.5°	369.9	358.9	350.0	344.0	346.0	385.8	387.8	395.7	296.3	341.0	347.0
20°	566.8	562.8	531.0	406.7	379.8	501.1	446.4	439.5	554.8	602.5	612.5
22.5°	647.3	643.3	620.4	598.6	624.4	545.9	635.4	655.2	751.7	722.9	731.8
25°	879.0	876.0	748.7	693.0	761.6	627.4	784.5	750.7	830.2	925.7	935.6
27.5°	1075.8	1068.9	1043.0	934.6	850.1	940.6	868.0	1003.3	1127.5	1143.4	1173.3
30°	1277.7	1231.9	1152.4	1156.4	1047.0	1037.1	1034.1	1204.1	1208.1	1232.9	1283.6
32.5°	1607.8	1586.9	1520.3	1314.5	1290.6	1152.4	1272.7	1283.6	1578.0	1681.4	1691.3
35°	1872.3	1782.8	1720.1	1603.8	1422.8	1467.6	1417.9	1614.7	1731.1	1797.7	1838.5
37.5°	2293.9	2305.8	2203.4	1779.8	1666.5	1614.7	1701.3	1807.6	1952.8	1968.7	2030.4
40°	2597.1	2589.2	2451.0	2138.7	1885.2	1832.5	1890.2	1994.6	2191.4	2211.3	2226.2
42.5°	3038.6	2999.8	2806.9	2455.9	2221.3	2109.9	2125.8	2169.6	2366.4	2454.9	2437.0
45°	3447.3	3421.4	3226.5	2794.0	2539.5	2409.2	2385.3	2346.6	2583.2	2701.5	2668.7
47.5°	3767.4	3721.7	3610.3	3169.8	2974.0	2752.2	2632.9	2562.3	2798.0	2949.1	2903.4
50°	4110.5	4040.8	3940.4	3542.7	3349.8	3151.9	2889.4	2801.0	3039.6	3189.7	3152.9
52.5°	4338.1	4229.8	4167.1	3874.8	3696.8	3523.8	3139.0	3079.4	3305.1	3449.2	3441.3
55°	4223.8	4219.8	4283.5	4098.5	3925.5	3742.6	3398.5	3395.5	3582.5	3730.6	3737.6
57.5°	4024.9	4045.8	4226.8	4254.6	4181.0	3966.3	3719.7	3749.5	3908.6	4045.8	4060.7
60°	3771.4	3829.1	4089.6	4236.7	4295.4	4189.0	4028.9	4074.7	4264.6	4382.9	4378.9
62.5°	3436.3	3483.0	3807.2	4140.3	4259.6	4360.0	4314.3	4461.4	4611.6	4722.9	4751.8
65°	3040.6	3059.5	3410.5	3859.9	4168.1	4447.5	4552.9	4820.4	4893.0	5064.0	5070.0
67.5°	2602.1	2608.1	2913.3	3449.2	3969.3	4440.6	4755.8	5085.9	5067.0	5248.9	5235.0
69°	2293.9	2336.6	2587.2	3115.2	3776.4	4397.8	4856.2	5173.4	5109.7	5287.7	5227.1
70°	2077.1	2074.1	2360.5	2831.8	3606.3	4343.1	4919.8	5196.2	5110.7	5260.9	5169.4
72.5°	1323.4	1343.3	1590.9	2009.5	2906.3	4026.9	4998.4	5135.6	5001.3	4986.4	4790.6
75°	584.7	531.0	686.1	1063.9	1827.5	3132.1	4809.4	4862.1	4690.1	4382.9	4046.8
77.5°	204.8	212.8	258.5	432.5	880.0	1866.3	3986.2	4277.5	4142.3	3403.5	3028.6
80°	146.2	147.2	173.0	241.6	426.6	658.2	2537.5	3094.3	3187.7	2244.1	1928.9
82.5°	103.4	103.4	128.3	154.1	295.3	294.3	1091.7	1702.2	1818.6	995.3	744.7
85°	86.5	88.5	98.4	89.5	173.0	150.1	269.5	525.0	430.5	121.3	106.4
87.5°	12.9	11.9	33.8	29.8	25.9	21.9	29.8	33.8	22.9	17.9	12.9
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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
2.5°	4.0	4.0	4.0	4.0	3.0	2.0	2.0	2.0	3.0	3.0	3.0
5°	4.0	4.0	4.0	4.0	4.0	4.0	5.0	7.0	8.0	8.9	8.9
7.5°	4.0	4.0	4.0	5.0	6.0	8.9	48.7	169.0	184.9	192.9	197.9
10°	8.0	8.9	8.9	8.9	21.9	186.9	222.7	230.7	238.6	242.6	241.6
12.5°	154.1	159.1	39.8	28.8	174.0	233.7	240.6	248.6	256.5	262.5	261.5
15°	317.2	325.1	312.2	323.1	343.0	253.5	259.5	439.5	476.3	483.2	484.2
17.5°	354.0	359.9	365.9	476.3	488.2	375.8	449.4	482.2	486.2	488.2	489.2
20°	674.1	671.2	542.9	522.0	517.0	652.3	477.3	486.2	581.7	662.2	666.2
22.5°	743.7	752.7	716.9	766.6	679.1	660.2	601.6	644.3	680.1	679.1	676.1
25°	964.5	976.4	822.3	797.4	814.3	656.2	750.7	643.3	653.3	654.3	660.2
27.5°	1206.1	1209.1	1141.5	897.9	801.4	812.3	706.9	685.1	765.6	770.6	770.6
30°	1313.5	1332.4	1206.1	1040.0	830.2	767.6	685.1	746.7	710.9	716.9	716.9
32.5°	1745.0	1730.1	1575.0	1030.1	860.1	706.0	715.9	692.0	766.6	786.5	788.5
35°	1858.4	1827.5	1583.9	1151.4	802.4	720.9	654.3	703.0	703.0	702.0	697.0
37.5°	1998.6	1944.9	1565.0	1065.9	807.4	658.2	631.4	632.4	690.0	703.0	694.0
40°	2164.6	2084.1	1562.1	995.3	731.8	623.4	579.7	608.5	607.5	590.6	580.7
42.5°	2344.6	2238.2	1555.1	911.8	657.2	584.7	546.9	537.9	542.9	512.1	509.1
45°	2555.4	2397.3	1535.2	838.2	597.6	542.9	500.1	486.2	488.2	464.3	458.4
47.5°	2779.1	2561.3	1530.2	780.5	547.9	501.1	466.3	448.4	455.4	428.5	422.6
50°	3028.6	2730.4	1513.3	726.8	493.2	462.4	436.5	415.6	416.6	395.7	390.8
52.5°	3300.1	2894.4	1494.4	653.3	443.5	429.5	414.6	398.7	416.6	388.8	382.8
55°	3578.5	3094.3	1469.6	567.7	398.7	404.7	389.8	401.7	427.6	383.8	375.8
57.5°	3887.7	3282.2	1422.8	474.3	362.9	376.8	386.8	402.7	423.6	382.8	367.9
60°	4181.0	3463.2	1311.5	400.7	332.1	354.0	380.8	396.7	394.7	375.8	365.9
62.5°	4479.3	3612.3	1105.7	344.0	306.2	343.0	371.9	378.8	369.9	362.9	357.0
65°	4643.4	3649.1	857.1	306.2	285.4	328.1	360.9	366.9	354.0	354.0	349.0
67.5°	4616.6	3530.8	632.4	275.4	267.5	313.2	342.0	356.0	347.0	354.0	346.0
69°	4509.2	3395.5	497.2	259.5	258.5	301.3	331.1	347.0	340.1	350.0	340.1
70°	4382.9	3259.3	439.5	250.6	249.6	292.3	324.1	340.1	332.1	340.1	331.1
72.5°	3898.7	2797.0	315.2	225.7	228.7	274.4	307.2	319.2	312.2	314.2	302.3
75°	3117.1	2079.1	249.6	204.8	207.8	253.5	288.3	295.3	290.3	281.4	274.4
77.5°	2191.4	1340.3	204.8	185.9	186.9	228.7	268.5	267.5	259.5	250.6	241.6
80°	1195.2	630.4	174.0	163.1	166.0	203.8	239.6	236.6	226.7	217.8	206.8
82.5°	517.0	254.5	135.2	130.3	139.2	171.0	205.8	197.9	188.9	192.9	150.1
85°	92.5	87.5	78.5	83.5	94.5	121.3	145.2	138.2	133.2	113.4	104.4
87.5°	8.0	11.9	11.9	14.9	20.9	22.9	40.8	29.8	30.8	11.9	6.0
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)