

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: P414012

Luminaire Tested: **LXF.LXT-PA1-100-827-U-T2U**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414012  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-5)  
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-T2U  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7454 lumens  
Efficiency: N/A  
Efficacy: 77.6 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short - Non-Cutoff  
BUG Rating: B2 - U0 - G2

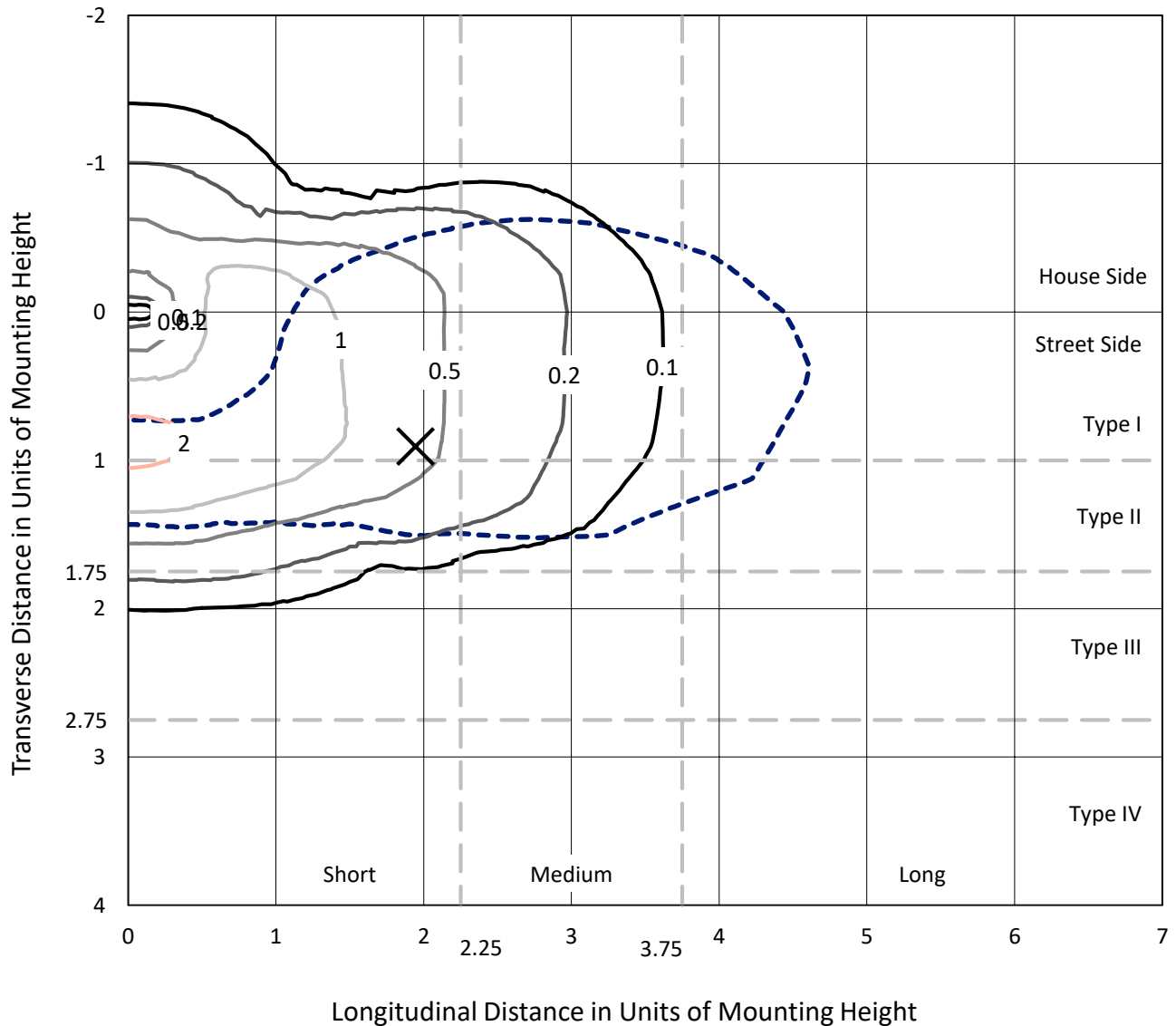
Input Watts (W): 96  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

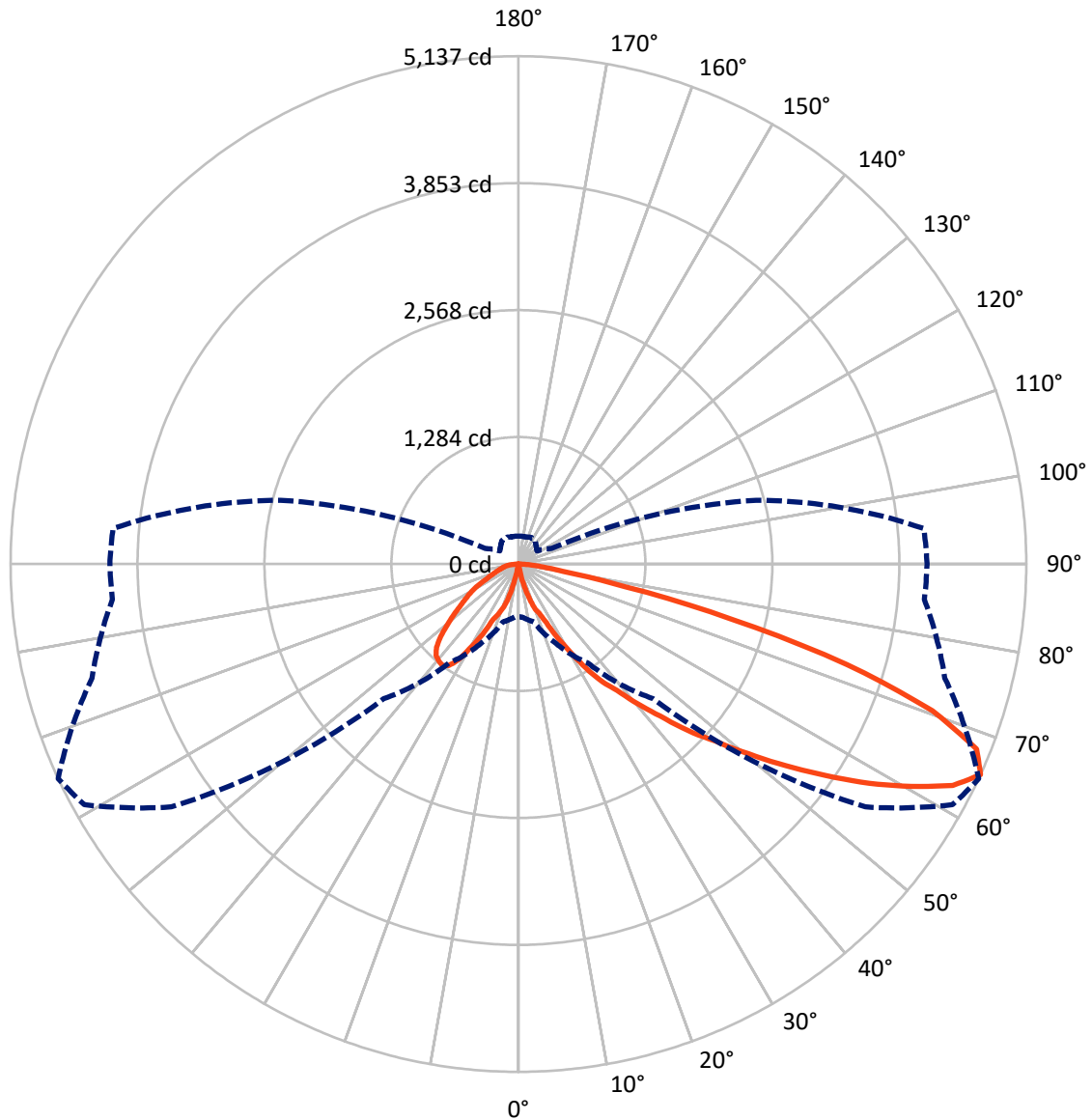
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc  
 Type II - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical



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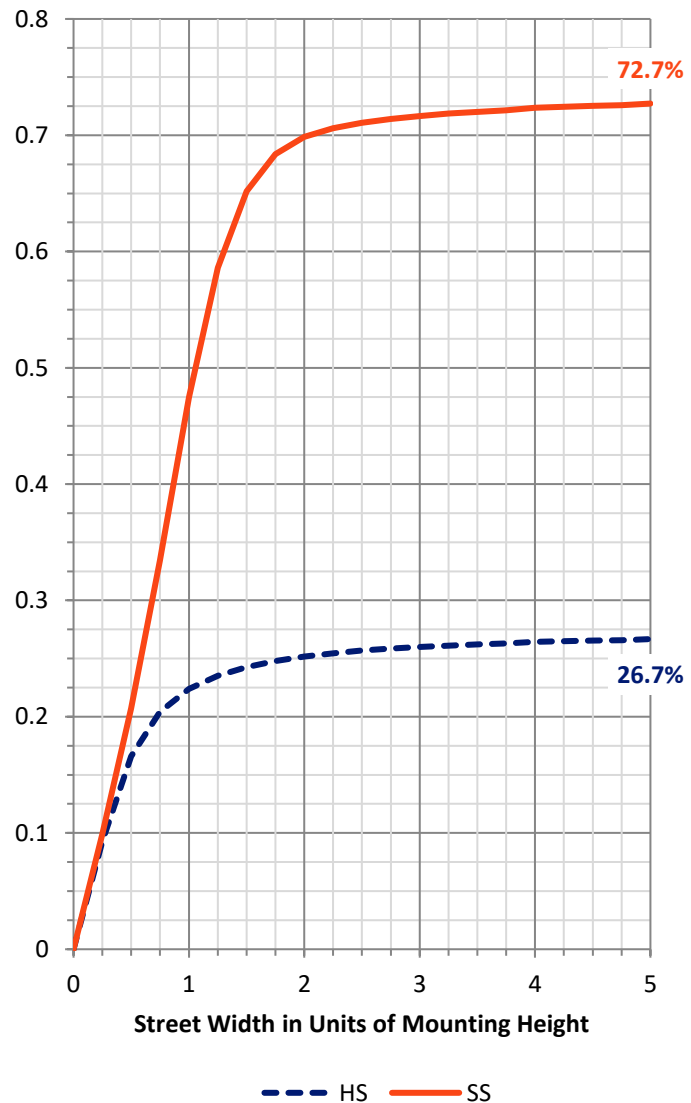
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2011.3	0.0	2011.3
	% Fixture	27.0	0.0	27.0
<b>Street Side</b>	Lumens	5442.7	0.0	5442.7
	% Fixture	73.0	0.0	73.0
<b>Total</b>	Lumens	7454.0	0.0	7454.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	82.4	1.1
20°-30°	317.0	4.3
30°-40°	793.4	10.6
40°-50°	1477.3	19.8
50°-60°	1934.5	26.0
60°-70°	1734.2	23.3
70°-80°	953.9	12.8
80°-90°	155.9	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°	7454.0	100.0
0°-180°	7454.0	100.0



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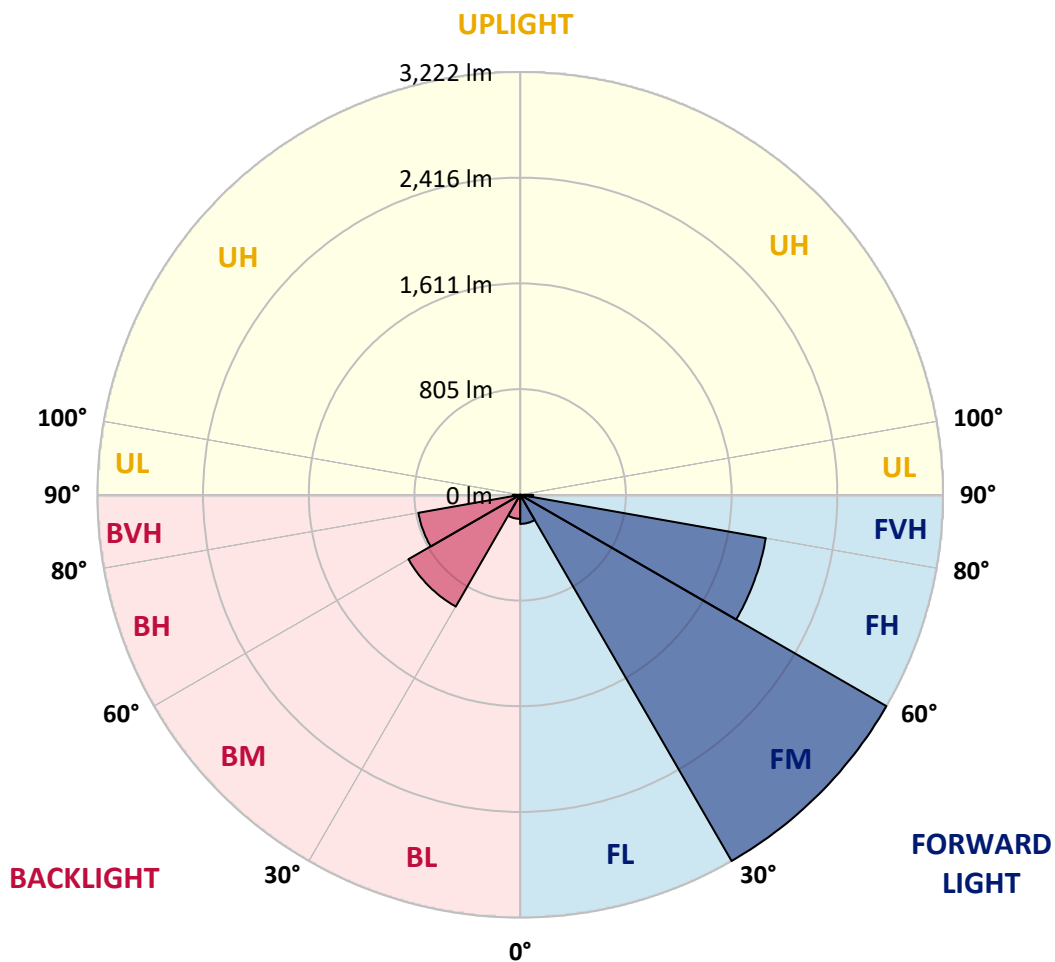
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	221.6	3.0			
FM	(30°-60°)	3221.7	43.2			
FH	(60°-80°)	1900.5	25.5			G2/5000
FVH	(80°-90°)	98.9	1.3			G1/100
BL	(0°-30°)	183.2	2.5	B1/500		
BM	(30°-60°)	983.5	13.2	B1/1000		
BH	(60°-80°)	787.6	10.6	B2/1000		G2/1000
BVH	(80°-90°)	57.0	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 II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	4.0	4.0	4.8	5.6	5.6	4.8	4.0	3.2	2.4	1.6	1.6
5°	36.9	32.9	25.7	17.7	10.4	8.0	6.4	4.8	4.0	2.4	1.6
7.5°	180.6	179.8	179.0	179.8	175.8	69.0	12.8	8.0	6.4	3.2	2.4
10°	181.4	180.6	179.8	181.4	181.4	179.0	170.2	24.9	12.8	8.0	8.0
12.5°	322.6	311.4	215.1	189.4	183.0	183.0	183.0	163.7	155.7	114.8	138.9
15°	338.7	336.3	335.5	337.1	298.6	197.4	276.1	260.0	263.3	224.7	266.5
17.5°	356.4	352.3	349.1	349.9	336.3	387.7	362.8	370.8	374.0	284.1	311.4
20°	552.2	552.2	510.5	386.9	424.6	486.4	401.3	440.6	488.0	424.6	435.8
22.5°	626.8	621.2	615.6	583.5	533.7	530.5	583.5	511.3	542.6	623.6	576.3
25°	852.4	854.0	715.9	673.4	745.6	650.1	696.7	692.7	655.7	756.1	730.4
27.5°	1078.7	1081.9	1066.7	949.5	852.4	836.3	793.0	854.8	845.1	838.7	898.9
30°	1289.8	1289.0	1220.0	1171.0	1118.8	1025.7	977.6	990.4	1028.9	993.6	1121.2
32.5°	1794.6	1781.0	1707.2	1396.5	1316.3	1228.8	1215.2	1179.0	1256.1	1231.2	1349.2
35°	2130.9	2127.7	1993.7	1818.7	1565.1	1468.0	1469.6	1402.2	1465.6	1497.7	1516.1
37.5°	2882.2	2870.9	2667.1	2154.2	1954.4	1754.5	1717.6	1685.5	1619.7	1712.8	1712.0
40°	3286.7	3254.6	3074.8	2736.9	2294.7	2053.9	1976.8	1907.8	1860.5	1915.0	1907.8
42.5°	3601.3	3576.4	3449.6	3099.7	2738.5	2551.5	2264.2	2198.4	2102.8	2167.9	2134.1
45°	3826.9	3814.0	3700.8	3440.8	3163.9	3026.6	2588.4	2485.7	2403.0	2394.2	2374.1
47.5°	3870.2	3842.9	3809.2	3663.1	3545.1	3504.2	2989.7	2812.3	2675.9	2650.2	2616.5
50°	3665.5	3657.5	3701.6	3675.2	3818.8	3914.3	3452.8	3207.2	3016.2	2925.5	2860.5
52.5°	3191.2	3208.0	3377.4	3495.4	3853.3	4200.1	3887.8	3650.3	3389.4	3189.6	3102.1
55°	2535.4	2596.4	2847.7	3093.3	3637.4	4323.7	4300.4	4113.4	3777.1	3484.9	3355.7
57.5°	1947.1	1940.7	2264.2	2487.3	3199.2	4241.0	4568.5	4515.5	4184.8	3791.5	3598.1
60°	1261.7	1256.1	1638.1	1923.9	2465.6	3817.2	4707.3	4846.2	4567.7	4056.4	3816.4
62.5°	823.5	858.0	1003.3	1409.4	1760.9	2952.0	4660.8	5051.6	4932.0	4302.0	4025.9
65°	529.7	542.6	606.0	878.1	1220.8	1925.5	4283.5	5021.1	5136.7	4465.7	4121.4
67.5°	394.9	398.1	428.6	545.8	830.7	1006.5	3362.1	4597.4	4997.9	4477.0	4090.1
70°	346.7	353.1	382.8	411.7	618.0	633.3	1965.6	3696.0	4440.8	4315.6	3932.0
72.5°	296.2	302.6	341.9	383.6	472.7	475.1	735.2	2456.0	3476.9	3988.2	3678.4
75°	241.6	245.6	280.1	336.3	394.1	381.2	425.4	1110.0	2225.6	3314.8	3281.1
77.5°	195.0	198.2	223.1	268.1	349.1	292.2	317.0	475.9	1106.0	2393.4	2658.2
80°	141.3	142.9	166.9	205.5	262.5	260.8	236.8	301.8	456.7	1398.1	1760.1
82.5°	89.9	89.9	114.8	134.8	174.2	257.6	166.1	203.1	255.2	695.9	846.8
85°	50.6	52.2	72.2	78.7	101.9	156.5	119.6	112.4	138.0	252.0	208.7
87.5°	9.6	12.0	20.9	22.5	26.5	36.9	43.3	39.3	40.9	58.6	34.5
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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	1.6	2.4	3.2	3.2	3.2	3.2	3.2	3.2	3.2	2.4	2.4
5°	1.6	2.4	3.2	3.2	4.0	5.6	6.4	6.4	7.2	8.0	7.2
7.5°	1.6	2.4	3.2	4.8	6.4	12.8	46.6	164.5	176.6	179.0	182.2
10°	7.2	7.2	8.0	8.8	36.1	172.6	185.4	187.0	188.6	189.4	190.2
12.5°	141.3	139.7	138.9	106.7	164.5	190.2	192.6	194.2	196.6	234.4	253.6
15°	269.7	270.5	256.8	246.4	286.5	208.7	222.3	343.5	355.6	359.6	362.0
17.5°	309.0	322.6	286.5	380.4	377.2	317.8	349.9	368.4	370.0	372.4	373.2
20°	439.0	435.8	417.4	476.8	408.5	522.5	433.4	373.2	469.5	516.9	517.7
22.5°	569.9	570.7	544.2	550.6	587.5	537.7	434.2	492.8	504.8	504.0	501.6
25°	734.4	728.0	715.1	612.4	693.5	585.1	577.9	477.6	479.2	517.7	542.6
27.5°	898.1	882.1	831.5	793.8	719.9	650.9	545.8	516.9	557.0	554.6	555.4
30°	1124.5	1099.6	959.9	955.1	764.1	644.5	555.4	514.5	500.8	504.0	502.4
32.5°	1350.8	1305.8	1179.8	1138.9	814.7	600.4	509.7	475.1	514.5	520.1	516.9
35°	1490.4	1453.5	1410.2	1247.3	820.3	553.0	461.5	469.5	467.1	464.7	466.3
37.5°	1653.4	1593.2	1555.5	1284.2	773.7	493.6	439.8	433.4	471.9	472.7	469.5
40°	1835.6	1767.3	1683.1	1267.3	667.8	447.1	408.5	429.4	431.8	422.2	419.8
42.5°	2041.0	1941.5	1816.3	1244.8	553.8	419.8	396.5	398.9	400.5	390.1	386.1
45°	2248.1	2131.7	1930.3	1182.2	471.1	392.5	378.0	377.2	369.2	359.6	357.2
47.5°	2480.1	2343.6	2024.2	1073.1	412.5	371.6	366.0	350.7	353.1	344.3	343.5
50°	2719.2	2572.4	2078.0	942.3	374.0	354.0	344.3	339.5	345.9	335.5	333.9
52.5°	2953.6	2830.8	2163.0	825.1	341.1	338.7	334.7	336.3	338.7	327.5	326.7
55°	3208.0	3119.7	2240.9	713.5	312.2	317.8	331.5	330.7	329.9	319.4	319.4
57.5°	3441.6	3398.3	2320.3	627.6	289.7	299.4	324.3	324.3	320.2	311.4	310.6
60°	3712.9	3680.8	2395.8	550.6	270.5	282.5	315.4	316.2	309.0	302.6	301.0
62.5°	3959.3	3935.2	2456.0	469.5	249.6	268.1	302.6	308.2	297.8	293.0	293.0
65°	4132.6	4115.8	2488.9	369.2	229.5	253.6	288.9	297.0	283.3	282.5	282.5
67.5°	4147.9	4137.5	2420.7	308.2	215.1	240.0	272.1	280.1	268.1	270.5	265.7
70°	4005.8	3929.6	2227.2	256.8	200.7	222.3	252.0	261.7	249.6	250.4	242.4
72.5°	3705.7	3485.7	1885.3	218.3	184.6	203.1	230.3	239.2	227.9	225.5	216.7
75°	3200.8	2861.3	1312.3	189.4	167.7	182.2	203.9	212.7	205.5	193.4	191.0
77.5°	2479.3	2097.2	804.2	163.7	152.5	160.5	176.6	181.4	174.2	159.7	157.3
80°	1562.7	1257.7	387.7	142.1	132.4	136.4	146.9	150.9	145.3	130.8	122.8
82.5°	715.9	543.4	204.7	114.8	107.5	107.5	118.0	114.8	110.0	96.3	77.9
85°	166.9	171.8	94.7	70.6	68.2	61.0	70.6	69.8	62.6	48.2	40.1
87.5°	27.3	30.5	24.1	21.7	17.7	13.6	15.2	12.8	11.2	5.6	2.4
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)