

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: P416569

Luminaire Tested: **LXF.LXT-PA1-70-830-U-T3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416569  
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-PA1-70-830-U-T3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6753 lumens  
Efficiency: N/A  
Efficacy: 91.3 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G2

Input Watts (W): 74  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

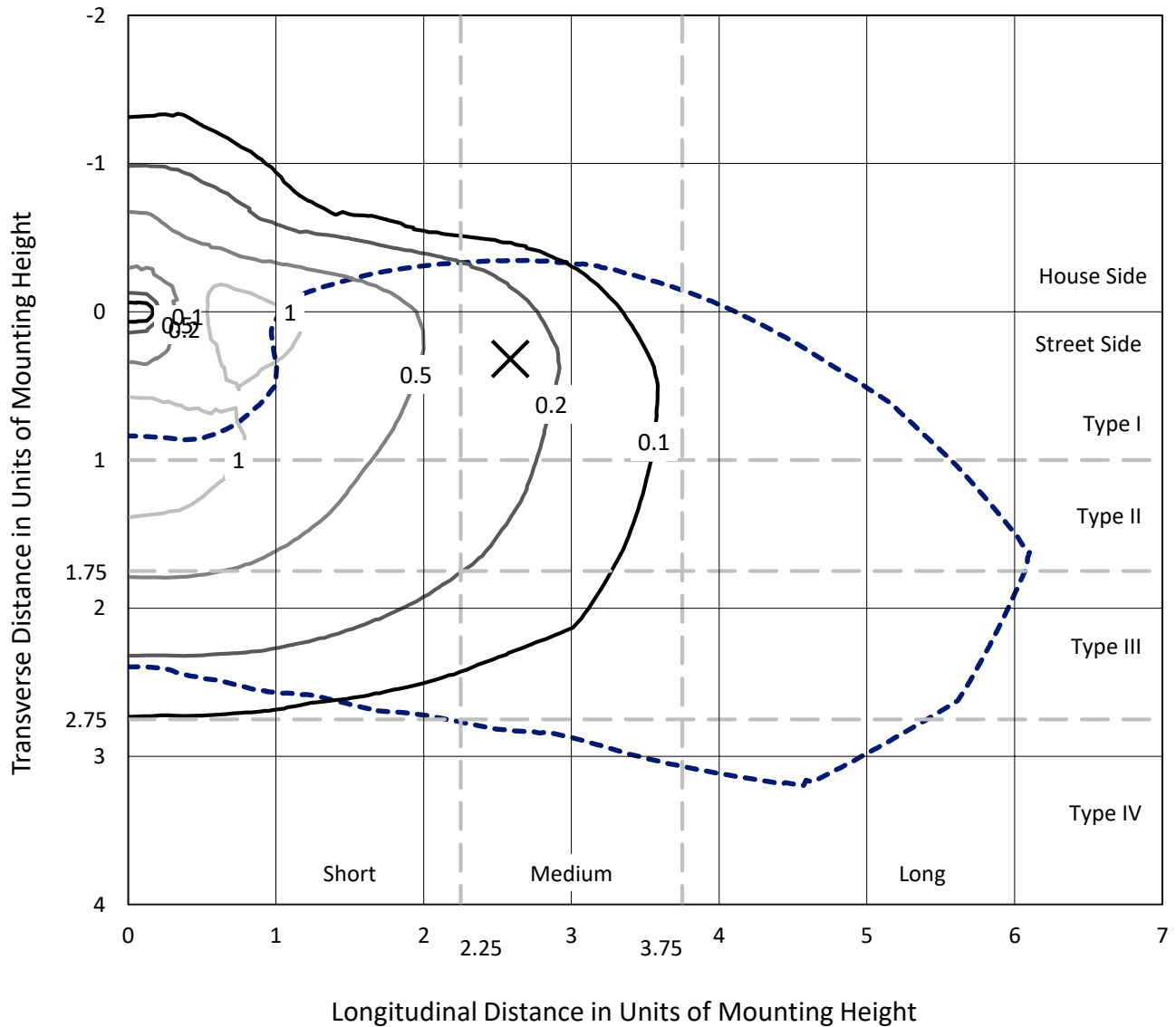


REPORT NUMBER: P416569

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

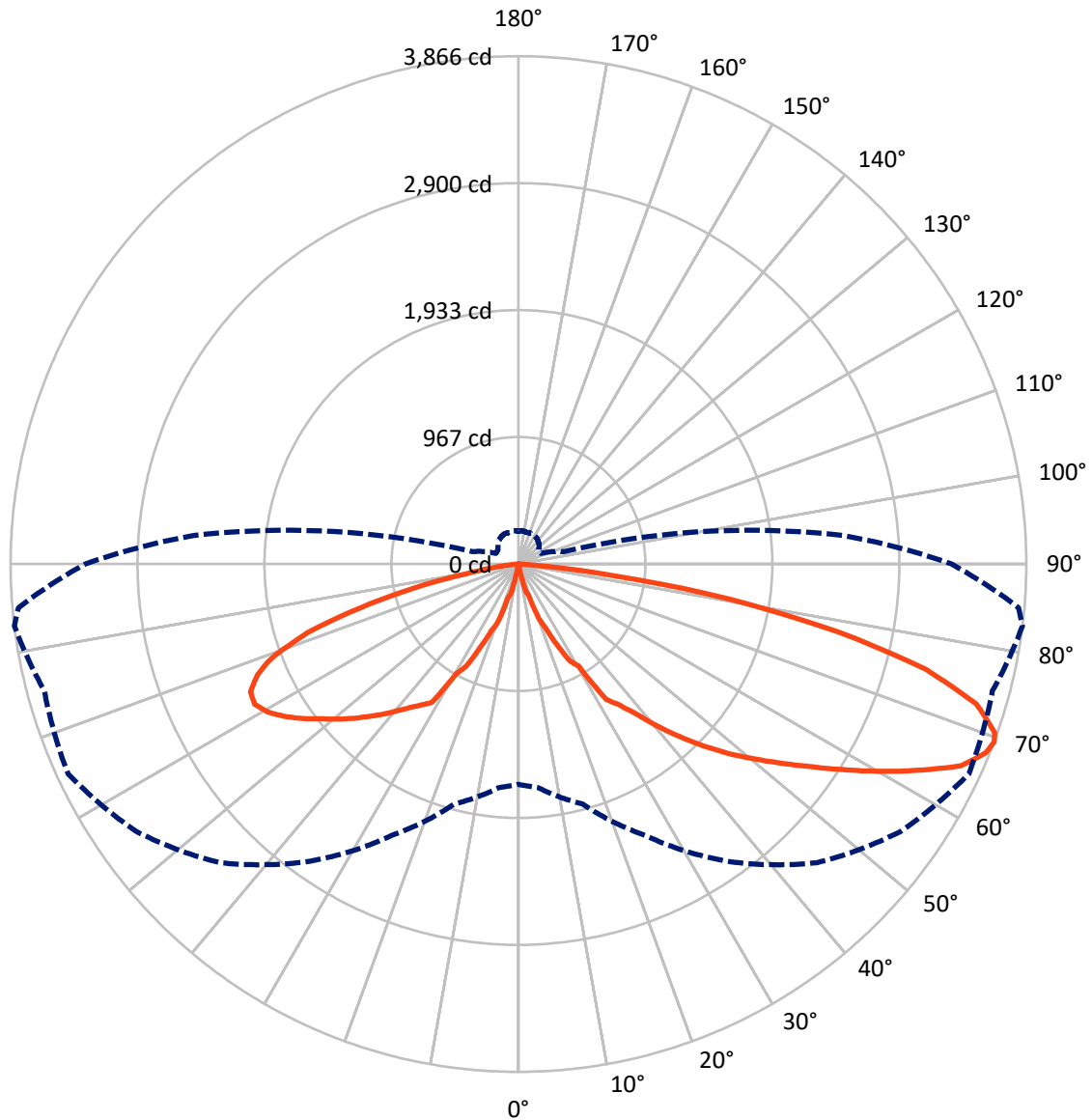


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416569

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T3

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P416569

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1432.3	0.0	1432.3
	% Fixture	21.2	0.0	21.2
<b>Street Side</b>	Lumens	5320.6	0.0	5320.6
	% Fixture	78.8	0.0	78.8
<b>Total</b>	Lumens	6753.0	0.0	6753.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.3	0.1
10°-20°	68.6	1.0
20°-30°	270.8	4.0
30°-40°	602.6	8.9
40°-50°	1023.3	15.2
50°-60°	1525.0	22.6
60°-70°	1795.9	26.6
70°-80°	1257.1	18.6
80°-90°	205.2	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°	6753.0	100.0
0°-180°	6753.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P416569

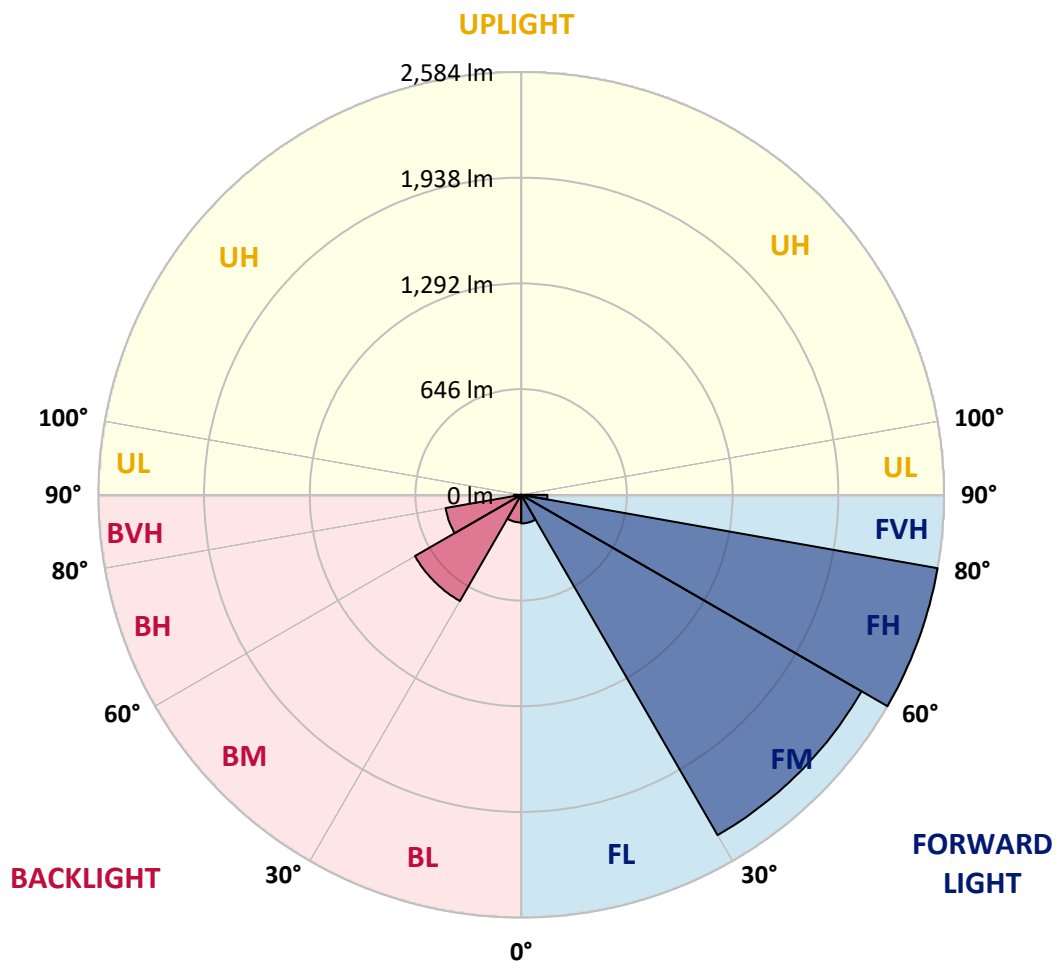
CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T3

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	174.9	2.6			
FM	(30°-60°)	2401.5	35.6			
FH	(60°-80°)	2583.9	38.3			G2/5000
FVH	(80°-90°)	160.4	2.4			G2/225
BL	(0°-30°)	168.9	2.5	B1/500		
BM	(30°-60°)	749.5	11.1	B1/1000		
BH	(60°-80°)	469.1	6.9	B1/500		G1/500
BVH	(80°-90°)	44.8	0.7			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 IV Medium





REPORT NUMBER: P416569

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	3.6	2.9	3.6	4.4	4.4	3.6	2.9	2.9	2.9	2.9	2.2
5°	58.9	42.9	38.5	34.2	20.4	7.3	4.4	2.9	2.9	2.9	2.9
7.5°	124.3	124.3	124.3	125.0	124.3	92.3	21.8	5.1	2.9	2.9	2.9
10°	125.8	125.0	124.3	125.0	126.5	127.2	122.9	17.4	7.3	6.5	6.5
12.5°	227.5	226.1	218.1	152.7	129.4	130.1	133.0	96.0	34.9	92.3	107.6
15°	241.4	239.9	239.9	240.6	228.3	141.8	199.9	261.7	186.1	222.5	226.1
17.5°	270.4	262.4	255.9	251.5	253.0	282.1	283.5	289.3	216.6	249.4	253.7
20°	414.4	411.5	388.2	297.3	277.7	366.4	326.4	321.3	405.7	440.6	447.8
22.5°	473.3	470.4	453.6	437.7	456.6	399.1	464.6	479.1	549.6	528.5	535.1
25°	642.7	640.5	547.4	506.7	556.9	458.7	573.6	548.9	607.0	676.8	684.1
27.5°	786.6	781.5	762.6	683.4	621.6	687.7	634.7	733.5	824.4	836.0	857.9
30°	934.2	900.7	842.6	845.5	765.5	758.3	756.1	880.4	883.3	901.5	938.6
32.5°	1175.6	1160.3	1111.6	961.1	943.6	842.6	930.6	938.6	1153.7	1229.3	1236.6
35°	1368.9	1303.5	1257.7	1172.6	1040.3	1073.0	1036.7	1180.6	1265.7	1314.4	1344.2
37.5°	1677.2	1685.9	1611.0	1301.3	1218.4	1180.6	1243.9	1321.7	1427.8	1439.5	1484.5
40°	1898.9	1893.1	1792.0	1563.8	1378.4	1339.9	1382.0	1458.4	1602.3	1616.8	1627.7
42.5°	2221.7	2193.3	2052.3	1795.7	1624.1	1542.7	1554.3	1586.3	1730.2	1795.0	1781.9
45°	2520.5	2501.6	2359.1	2042.9	1856.7	1761.5	1744.1	1715.7	1888.7	1975.2	1951.3
47.5°	2754.6	2721.1	2639.7	2317.7	2174.4	2012.3	1925.1	1873.5	2045.8	2156.3	2122.8
50°	3005.4	2954.5	2881.1	2590.3	2449.2	2304.6	2112.6	2047.9	2222.4	2332.2	2305.3
52.5°	3171.9	3092.6	3046.8	2833.1	2703.0	2576.5	2295.1	2251.5	2416.5	2521.9	2516.1
55°	3088.3	3085.4	3131.9	2996.7	2870.2	2736.4	2484.9	2482.7	2619.4	2727.7	2732.8
57.5°	2942.9	2958.1	3090.5	3110.8	3057.0	2900.0	2719.7	2741.5	2857.8	2958.1	2969.1
60°	2757.5	2799.7	2990.1	3097.7	3140.6	3062.8	2945.8	2979.2	3118.1	3204.6	3201.7
62.5°	2512.5	2546.7	2783.7	3027.2	3114.4	3187.9	3154.4	3262.0	3371.8	3453.2	3474.3
65°	2223.2	2237.0	2493.6	2822.2	3047.6	3251.9	3328.9	3524.5	3577.5	3702.6	3707.0
67.5°	1902.5	1906.9	2130.1	2521.9	2902.2	3246.8	3477.2	3718.6	3704.8	3837.8	3827.6
69°	1677.2	1708.4	1891.6	2277.7	2761.1	3215.5	3550.6	3782.6	3736.0	3866.2	3821.8
70°	1518.7	1516.5	1725.9	2070.5	2636.8	3175.5	3597.2	3799.3	3736.8	3846.5	3779.7
72.5°	967.6	982.2	1163.2	1469.3	2125.0	2944.3	3654.6	3754.9	3656.8	3645.9	3502.7
75°	427.5	388.2	501.6	777.9	1336.2	2290.0	3516.5	3555.0	3429.2	3204.6	2958.9
77.5°	149.8	155.6	189.0	316.2	643.4	1364.6	2914.5	3127.5	3028.7	2488.5	2214.4
80°	106.9	107.6	126.5	176.7	311.9	481.3	1855.3	2262.4	2330.7	1640.8	1410.4
82.5°	75.6	75.6	93.8	112.7	215.9	215.2	798.2	1244.6	1329.7	727.7	544.5
85°	63.2	64.7	72.0	65.4	126.5	109.8	197.0	383.9	314.8	88.7	77.8
87.5°	9.5	8.7	24.7	21.8	18.9	16.0	21.8	24.7	16.7	13.1	9.5
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: P416569

CATALOG NUMBER: LXF.LXT-PA1-70-830-U-T3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	2.9	2.9	2.9	2.9	2.2	1.5	1.5	1.5	2.2	2.2	2.2
5°	2.9	2.9	2.9	2.9	2.9	2.9	3.6	5.1	5.8	6.5	6.5
7.5°	2.9	2.9	2.9	3.6	4.4	6.5	35.6	123.6	135.2	141.0	144.7
10°	5.8	6.5	6.5	6.5	16.0	136.7	162.8	168.7	174.5	177.4	176.7
12.5°	112.7	116.3	29.1	21.1	127.2	170.8	175.9	181.7	187.6	191.9	191.2
15°	231.9	237.7	228.3	236.3	250.8	185.4	189.7	321.3	348.2	353.3	354.0
17.5°	258.8	263.2	267.5	348.2	357.0	274.8	328.6	352.6	355.5	357.0	357.7
20°	492.9	490.7	396.9	381.7	378.0	476.9	349.0	355.5	425.3	484.2	487.1
22.5°	543.8	550.3	524.2	560.5	496.5	482.7	439.8	471.1	497.3	496.5	494.4
25°	705.2	713.9	601.2	583.1	595.4	479.8	548.9	470.4	477.6	478.4	482.7
27.5°	881.8	884.0	834.6	656.5	586.0	594.0	516.9	500.9	559.8	563.4	563.4
30°	960.4	974.2	881.8	760.4	607.0	561.2	500.9	546.0	519.8	524.2	524.2
32.5°	1275.9	1265.0	1151.6	753.2	628.9	516.2	523.4	506.0	560.5	575.1	576.5
35°	1358.8	1336.2	1158.1	841.9	586.7	527.1	478.4	514.0	514.0	513.3	509.6
37.5°	1461.3	1422.0	1144.3	779.3	590.3	481.3	461.6	462.4	504.5	514.0	507.4
40°	1582.7	1523.8	1142.1	727.7	535.1	455.8	423.8	444.9	444.2	431.8	424.6
42.5°	1714.3	1636.5	1137.0	666.7	480.5	427.5	399.8	393.3	396.9	374.4	372.2
45°	1868.4	1752.8	1122.5	612.9	436.9	396.9	365.7	355.5	357.0	339.5	335.1
47.5°	2032.0	1872.7	1118.8	570.7	400.6	366.4	341.0	327.9	333.0	313.3	309.0
50°	2214.4	1996.3	1106.5	531.4	360.6	338.1	319.2	303.9	304.6	289.3	285.7
52.5°	2412.9	2116.3	1092.7	477.6	324.2	314.1	303.2	291.5	304.6	284.3	279.9
55°	2616.5	2262.4	1074.5	415.1	291.5	295.9	285.0	293.7	312.6	280.6	274.8
57.5°	2842.6	2399.8	1040.3	346.8	265.4	275.5	282.8	294.4	309.7	279.9	269.0
60°	3057.0	2532.1	958.9	293.0	242.8	258.8	278.4	290.1	288.6	274.8	267.5
62.5°	3275.1	2641.2	808.4	251.5	223.9	250.8	271.9	277.0	270.4	265.4	261.0
65°	3395.1	2668.1	626.7	223.9	208.6	239.9	263.9	268.3	258.8	258.8	255.2
67.5°	3375.4	2581.6	462.4	201.4	195.6	229.0	250.1	260.3	253.7	258.8	253.0
69°	3296.9	2482.7	363.5	189.7	189.0	220.3	242.1	253.7	248.6	255.9	248.6
70°	3204.6	2383.1	321.3	183.2	182.5	213.7	237.0	248.6	242.8	248.6	242.1
72.5°	2850.6	2045.0	230.5	165.0	167.2	200.7	224.6	233.4	228.3	229.7	221.0
75°	2279.1	1520.1	182.5	149.8	151.9	185.4	210.8	215.9	212.3	205.7	200.7
77.5°	1602.3	980.0	149.8	135.9	136.7	167.2	196.3	195.6	189.7	183.2	176.7
80°	873.8	460.9	127.2	119.2	121.4	149.0	175.2	173.0	165.8	159.2	151.2
82.5°	378.0	186.1	98.9	95.2	101.8	125.0	150.5	144.7	138.1	141.0	109.8
85°	67.6	64.0	57.4	61.1	69.1	88.7	106.1	101.1	97.4	82.9	76.3
87.5°	5.8	8.7	8.7	10.9	15.3	16.7	29.8	21.8	22.5	8.7	4.4
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)