

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: P416933

Luminaire Tested: **LXF.LXT-PA1-80-827-U-T3**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P416933  
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-PA1-80-827-U-T3  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6829 lumens  
Efficiency: N/A  
Efficacy: 82.3 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): 83  
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

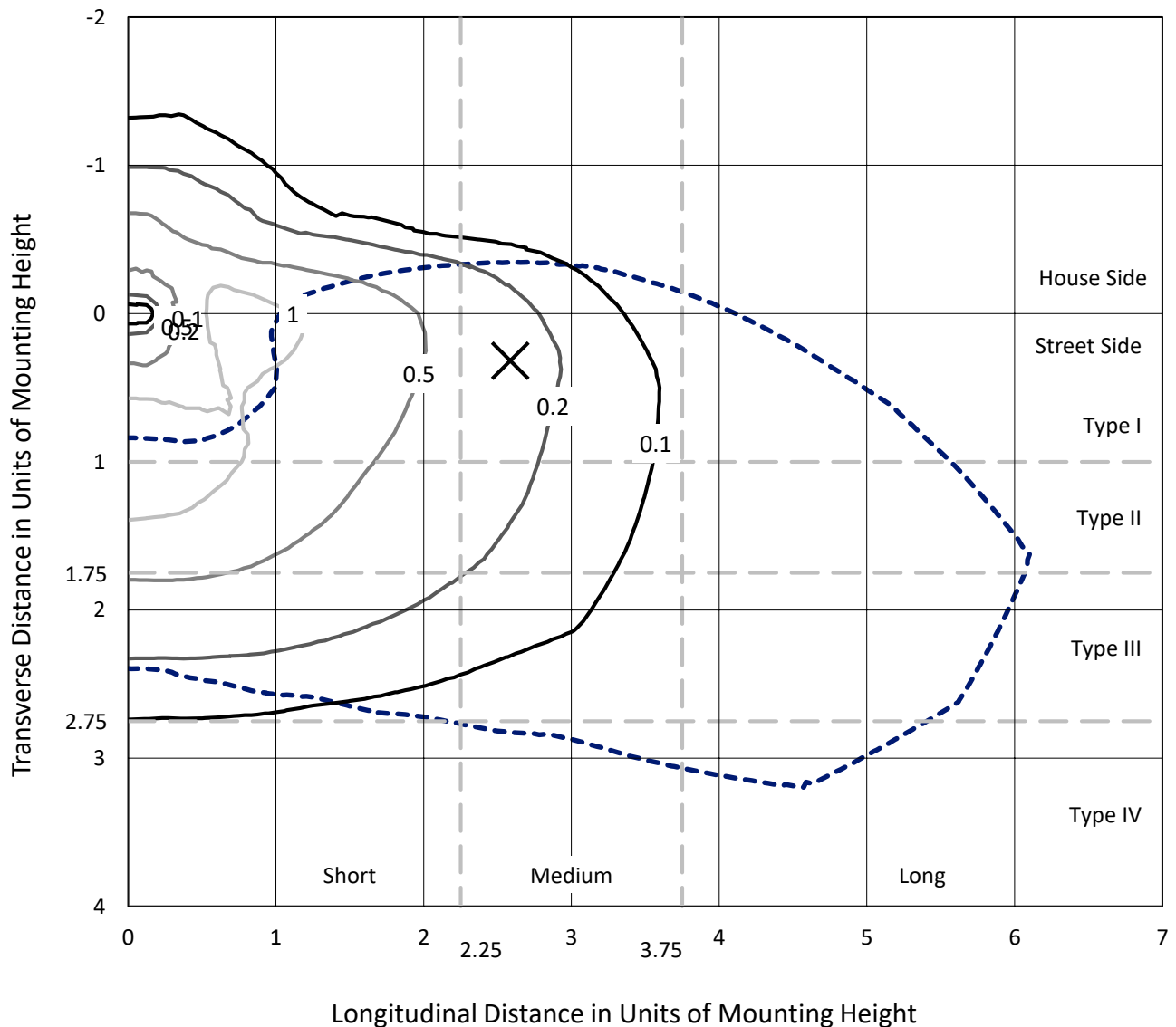


REPORT NUMBER: P416933

CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T3

### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

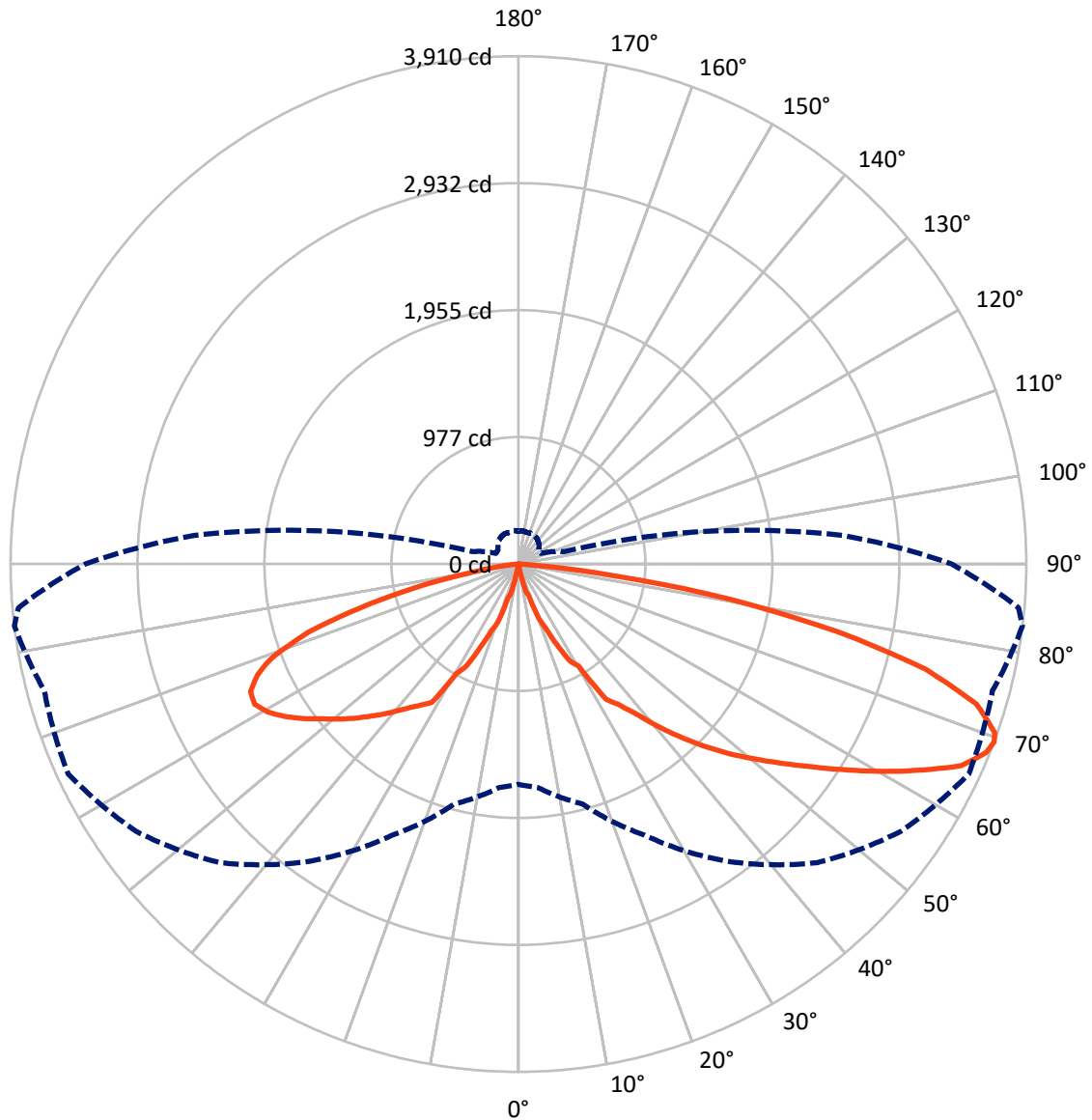


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416933

CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T3

### Luminous Intensity Polar Plot



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



REPORT NUMBER: P416933

CATALOG NUMBER: LXF.LXT-PA1-80-827-U-T3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1448.5	0.0	1448.5
	% Fixture	21.2	0.0	21.2
<b>Street Side</b>	Lumens	5380.5	0.0	5380.5
	% Fixture	78.8	0.0	78.8
<b>Total</b>	Lumens	6829.0	0.0	6829.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.4	0.1
10°-20°	69.4	1.0
20°-30°	273.9	4.0
30°-40°	609.4	8.9
40°-50°	1034.8	15.2
50°-60°	1542.1	22.6
60°-70°	1816.2	26.6
70°-80°	1271.2	18.6
80°-90°	207.5	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°	6829.0	100.0
0°-180°	6829.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P416933

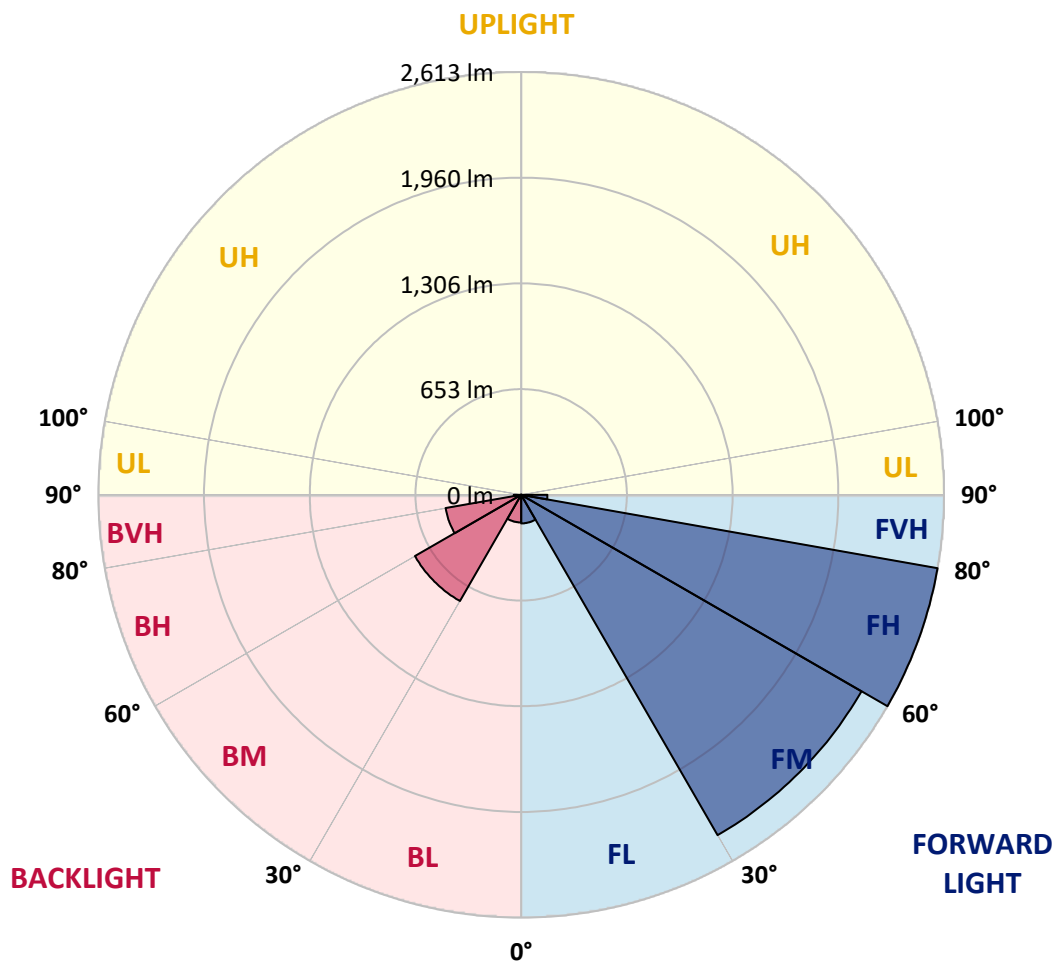
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	176.8	2.6			
FM (30°-60°)	2428.5	35.6			
FH (60°-80°)	2613.0	38.3			G2/5000
FVH (80°-90°)	162.2	2.4			G2/225
BL (0°-30°)	170.8	2.5	B1/500		
BM (30°-60°)	757.9	11.1	B1/1000		
BH (60°-80°)	474.4	6.9	B1/500		G1/500
BVH (80°-90°)	45.3	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Medium





REPORT NUMBER: P416933

CATALOG NUMBER: LXF.LXT-PA1-80-827-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°	3.7	2.9	3.7	4.4	4.4	3.7	2.9	2.9	2.9	2.9	2.2
5°	59.5	43.4	39.0	34.6	20.6	7.4	4.4	2.9	2.9	2.9	2.9
7.5°	125.7	125.7	125.7	126.5	125.7	93.4	22.1	5.1	2.9	2.9	2.9
10°	127.2	126.5	125.7	126.5	127.9	128.7	124.2	17.6	7.4	6.6	6.6
12.5°	230.1	228.6	220.6	154.4	130.9	131.6	134.5	97.0	35.3	93.4	108.8
15°	244.1	242.6	242.6	243.3	230.8	143.4	202.2	264.7	188.2	225.0	228.6
17.5°	273.5	265.4	258.8	254.4	255.8	285.2	286.7	292.6	219.1	252.2	256.6
20°	419.1	416.1	392.6	300.7	280.8	370.5	330.1	324.9	410.2	445.5	452.9
22.5°	478.6	475.7	458.8	442.6	461.7	403.6	469.8	484.5	555.8	534.5	541.1
25°	649.9	647.7	553.6	512.4	563.1	463.9	580.1	555.1	613.9	684.5	691.8
27.5°	795.5	790.3	771.2	691.1	628.6	695.5	641.8	741.8	833.7	845.5	867.5
30°	944.7	910.9	852.1	855.0	774.1	766.8	764.6	890.3	893.2	911.6	949.1
32.5°	1188.8	1173.3	1124.1	971.9	954.3	852.1	941.0	949.1	1166.7	1243.2	1250.5
35°	1384.3	1318.2	1271.9	1185.8	1052.0	1085.1	1048.4	1193.9	1279.9	1329.2	1359.3
37.5°	1696.1	1704.9	1629.2	1316.0	1232.2	1193.9	1257.9	1336.6	1443.9	1455.7	1501.2
40°	1920.3	1914.4	1812.2	1581.4	1393.9	1354.9	1397.6	1474.8	1620.3	1635.0	1646.1
42.5°	2246.7	2218.0	2075.4	1815.9	1642.4	1560.0	1571.8	1604.2	1749.7	1815.2	1801.9
45°	2548.9	2529.7	2385.7	2065.8	1877.6	1781.3	1763.7	1735.0	1910.0	1997.5	1973.2
47.5°	2785.6	2751.8	2669.4	2343.7	2198.9	2035.0	1946.7	1894.6	2068.8	2180.5	2146.7
50°	3039.2	2987.8	2913.5	2619.4	2476.8	2330.5	2136.4	2071.0	2247.4	2358.4	2331.2
52.5°	3207.6	3127.4	3081.1	2865.0	2733.4	2605.5	2321.0	2276.8	2443.7	2550.3	2544.4
55°	3123.0	3120.1	3167.1	3030.4	2902.5	2767.2	2512.8	2510.6	2648.8	2758.4	2763.5
57.5°	2976.0	2991.4	3125.2	3145.8	3091.4	2932.6	2750.3	2772.4	2890.0	2991.4	3002.5
60°	2788.5	2831.2	3023.8	3132.6	3176.0	3097.3	2978.9	3012.8	3153.2	3240.7	3237.7
62.5°	2540.8	2575.3	2815.0	3061.3	3149.5	3223.8	3189.9	3298.7	3409.8	3492.1	3513.4
65°	2248.2	2262.1	2521.7	2854.0	3081.9	3288.4	3366.4	3564.1	3617.8	3744.3	3748.7
67.5°	1924.0	1928.4	2154.1	2550.3	2934.8	3283.3	3516.4	3760.4	3746.5	3881.0	3870.7
69°	1696.1	1727.7	1912.9	2303.3	2792.2	3251.7	3590.6	3825.1	3778.1	3909.7	3864.8
70°	1535.8	1533.6	1745.3	2093.8	2666.5	3211.3	3637.7	3842.0	3778.8	3889.8	3822.2
72.5°	978.5	993.2	1176.3	1485.8	2148.9	2977.5	3695.7	3797.2	3697.9	3686.9	3542.1
75°	432.3	392.6	507.3	786.6	1351.3	2315.8	3556.1	3595.0	3467.8	3240.7	2992.2
77.5°	151.4	157.3	191.1	319.8	650.6	1379.9	2947.3	3162.7	3062.7	2516.5	2239.4
80°	108.1	108.8	127.9	178.6	315.4	486.7	1876.2	2287.9	2357.0	1659.3	1426.2
82.5°	76.5	76.5	94.8	114.0	218.3	217.6	807.2	1258.6	1344.6	735.9	550.6
85°	64.0	65.4	72.8	66.2	127.9	111.0	199.2	388.2	318.3	89.7	78.7
87.5°	9.6	8.8	25.0	22.1	19.1	16.2	22.1	25.0	16.9	13.2	9.6
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: P416933

CATALOG NUMBER: LXF.LXT-PA1-80-827-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	3.7	5.1	5.9	6.6	6.6
7.5°	2.9	2.9	2.9	3.7	4.4	6.6	36.0	125.0	136.7	142.6	146.3
10°	5.9	6.6	6.6	6.6	16.2	138.2	164.7	170.6	176.4	179.4	178.6
12.5°	114.0	117.6	29.4	21.3	128.7	172.8	177.9	183.8	189.7	194.1	193.4
15°	234.5	240.4	230.8	238.9	253.6	187.5	191.9	324.9	352.2	357.3	358.0
17.5°	261.7	266.1	270.5	352.2	361.0	277.9	332.3	356.6	359.5	361.0	361.7
20°	498.5	496.2	401.4	386.0	382.3	482.3	352.9	359.5	430.1	489.6	492.6
22.5°	549.9	556.5	530.1	566.8	502.1	488.2	444.8	476.4	502.9	502.1	499.9
25°	713.1	721.9	608.0	589.6	602.1	485.2	555.1	475.7	483.0	483.7	488.2
27.5°	891.8	894.0	844.0	663.9	592.6	600.6	522.7	506.5	566.1	569.8	569.8
30°	971.2	985.1	891.8	769.0	613.9	567.6	506.5	552.1	525.7	530.1	530.1
32.5°	1290.2	1279.2	1164.5	761.6	635.9	522.0	529.3	511.7	566.8	581.5	583.0
35°	1374.0	1351.3	1171.1	851.3	593.3	533.0	483.7	519.8	519.8	519.0	515.4
37.5°	1477.7	1438.0	1157.2	788.1	597.0	486.7	466.8	467.6	510.2	519.8	513.2
40°	1600.5	1540.9	1155.0	735.9	541.1	461.0	428.6	449.9	449.2	436.7	429.3
42.5°	1733.5	1654.9	1149.8	674.2	486.0	432.3	404.3	397.7	401.4	378.6	376.4
45°	1889.4	1772.5	1135.1	619.8	441.8	401.4	369.8	359.5	361.0	343.3	338.9
47.5°	2054.8	1893.8	1131.4	577.1	405.1	370.5	344.8	331.6	336.7	316.9	312.5
50°	2239.4	2018.8	1118.9	537.4	364.6	341.9	322.7	307.3	308.0	292.6	288.9
52.5°	2440.1	2140.1	1105.0	483.0	327.9	317.6	306.6	294.8	308.0	287.5	283.0
55°	2645.9	2287.9	1086.6	419.8	294.8	299.2	288.2	297.0	316.1	283.8	277.9
57.5°	2874.5	2426.8	1052.0	350.7	268.3	278.6	286.0	297.7	313.2	283.0	272.0
60°	3091.4	2560.6	969.7	296.3	245.5	261.7	281.6	293.3	291.9	277.9	270.5
62.5°	3312.0	2670.9	817.5	254.4	226.4	253.6	275.0	280.1	273.5	268.3	263.9
65°	3433.3	2698.1	633.7	226.4	211.0	242.6	266.9	271.3	261.7	261.7	258.0
67.5°	3413.4	2610.6	467.6	203.6	197.8	231.6	252.9	263.2	256.6	261.7	255.8
69°	3334.0	2510.6	367.6	191.9	191.1	222.8	244.8	256.6	251.4	258.8	251.4
70°	3240.7	2409.9	324.9	185.3	184.5	216.1	239.7	251.4	245.5	251.4	244.8
72.5°	2882.6	2068.1	233.1	166.9	169.1	202.9	227.2	236.0	230.8	232.3	223.5
75°	2304.8	1537.3	184.5	151.4	153.7	187.5	213.2	218.3	214.7	208.1	202.9
77.5°	1620.3	991.0	151.4	137.5	138.2	169.1	198.5	197.8	191.9	185.3	178.6
80°	883.7	466.1	128.7	120.6	122.8	150.7	177.2	175.0	167.6	161.0	152.9
82.5°	382.3	188.2	100.0	96.3	102.9	126.5	152.2	146.3	139.7	142.6	111.0
85°	68.4	64.7	58.1	61.8	69.8	89.7	107.3	102.2	98.5	83.8	77.2
87.5°	5.9	8.8	8.8	11.0	15.4	16.9	30.1	22.1	22.8	8.8	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)