

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: P416257

Luminaire Tested: **LXF.LXT-PA1-70-727-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416257
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-PA1-70-727-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7107 lumens
Efficiency: N/A
Efficacy: 96.0 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_{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

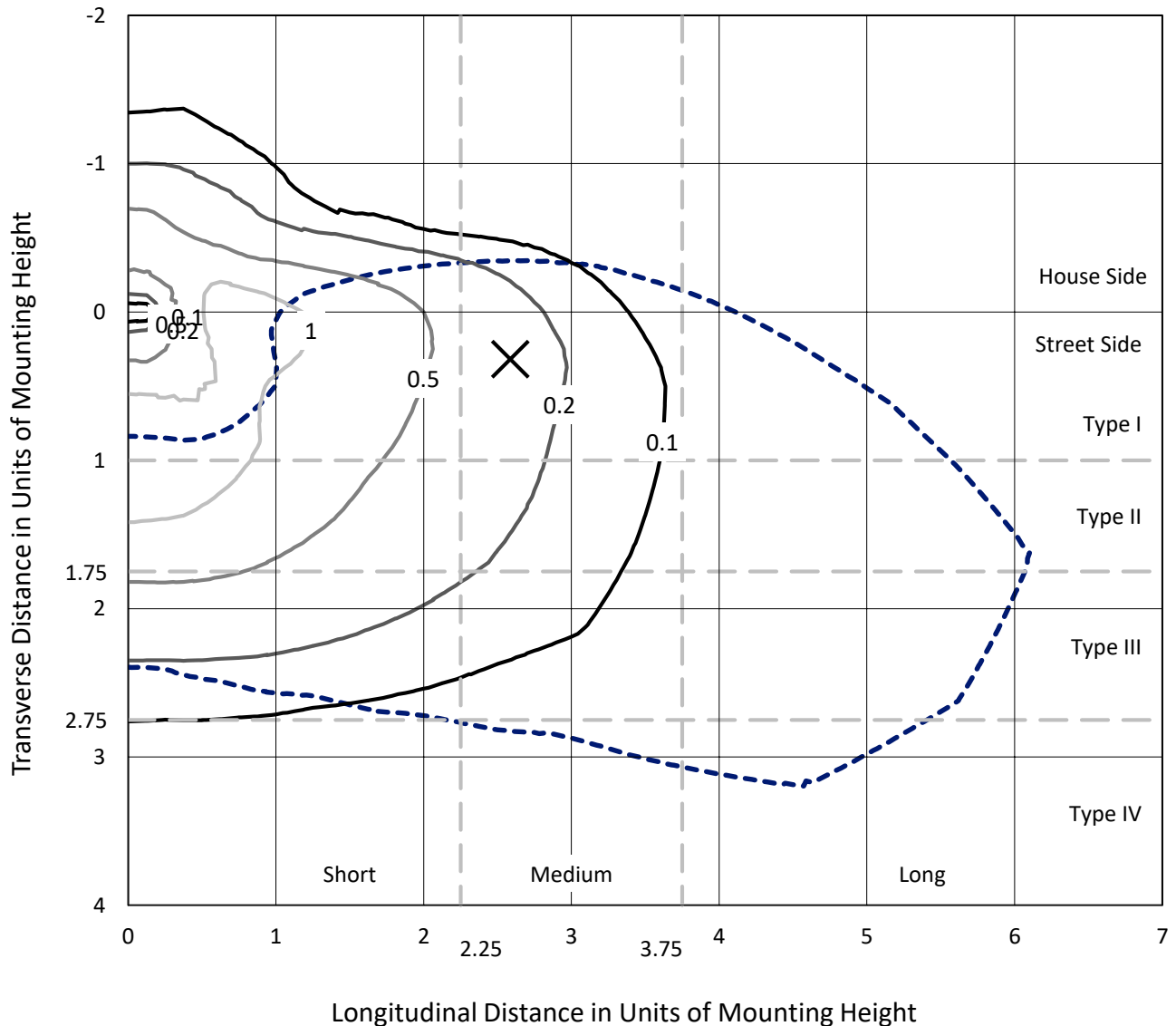


REPORT NUMBER: P416257

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

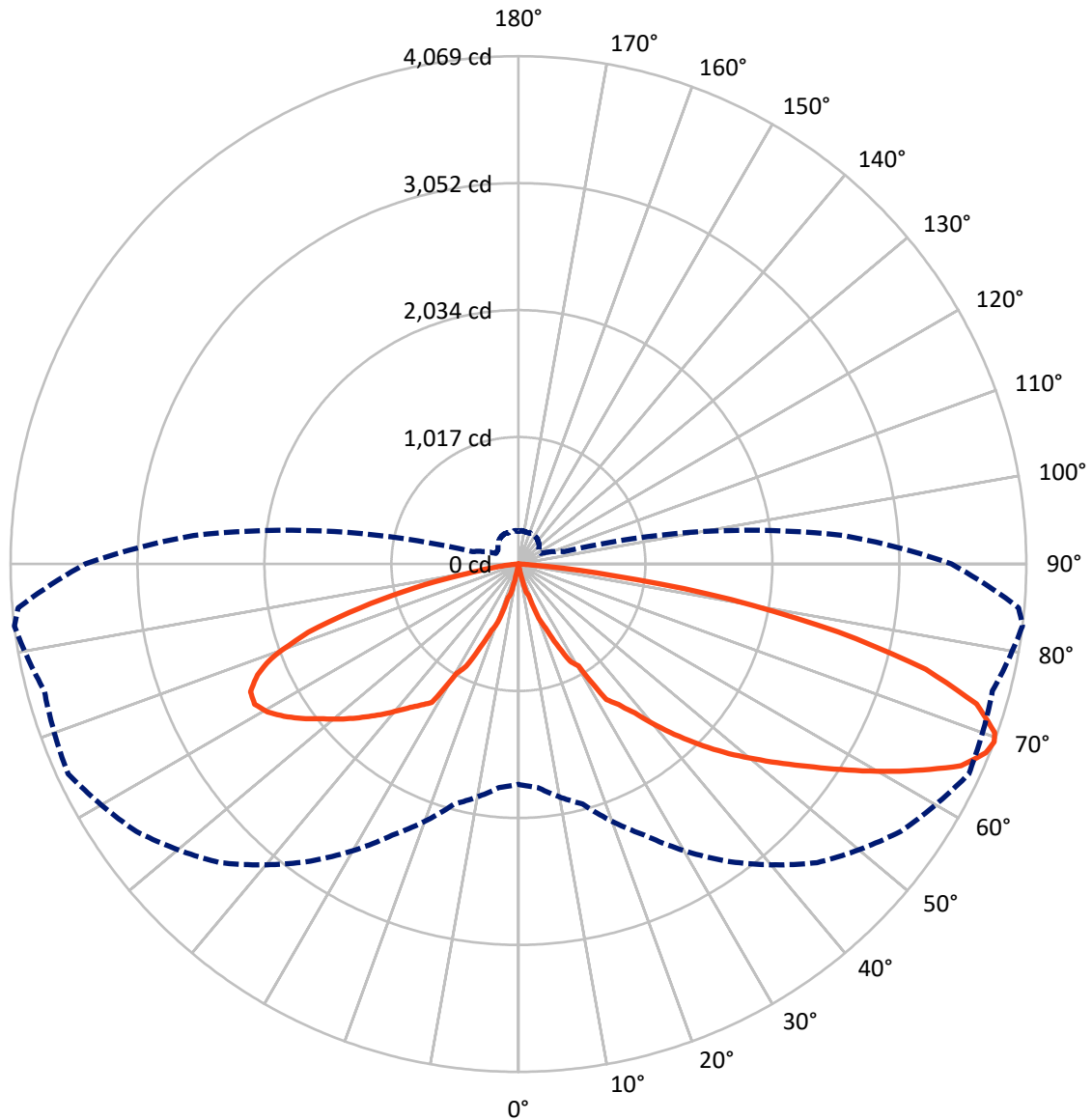


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416257

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P416257

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1507.4	0.0	1507.4
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	5599.6	0.0	5599.6
	% Fixture	78.8	0.0	78.8
Total	Lumens	7107.0	0.0	7107.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.1
10°-20°	72.2	1.0
20°-30°	285.0	4.0
30°-40°	634.2	8.9
40°-50°	1077.0	15.2
50°-60°	1604.9	22.6
60°-70°	1890.1	26.6
70°-80°	1323.0	18.6
80°-90°	216.0	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°	7107.0	100.0
0°-180°	7107.0	100.0



REPORT NUMBER: P416257

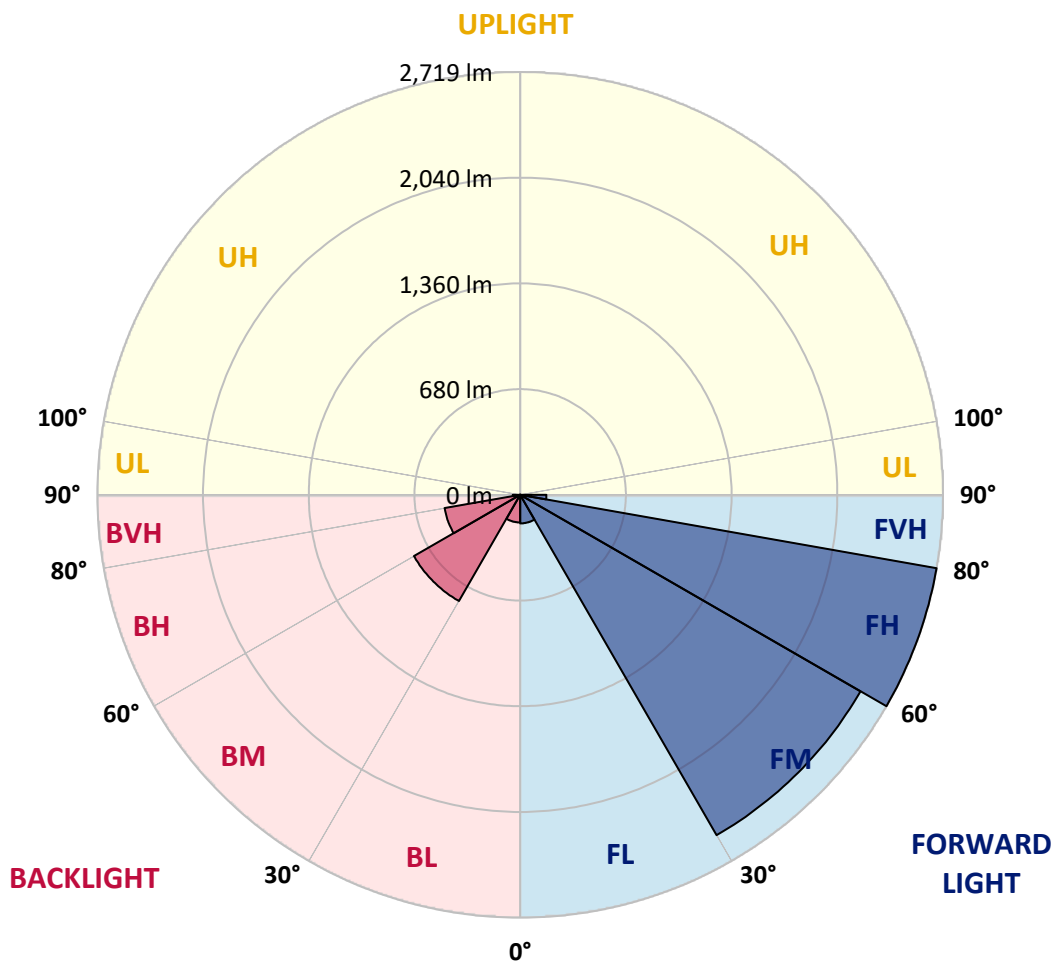
CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	184.0	2.6			
FM	(30°-60°)	2527.4	35.6			
FH	(60°-80°)	2719.3	38.3			G2/5000
FVH	(80°-90°)	168.8	2.4			G2/225
BL	(0°-30°)	177.8	2.5	B1/500		
BM	(30°-60°)	788.8	11.1	B1/1000		
BH	(60°-80°)	493.7	6.9	B1/500		G1/500
BVH	(80°-90°)	47.2	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: P416257

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2.5°	3.8	3.1	3.8	4.6	4.6	3.8	3.1	3.1	3.1	3.1	2.3
5°	62.0	45.1	40.6	36.0	21.4	7.7	4.6	3.1	3.1	3.1	3.1
7.5°	130.8	130.8	130.8	131.6	130.8	97.2	23.0	5.4	3.1	3.1	3.1
10°	132.4	131.6	130.8	131.6	133.1	133.9	129.3	18.4	7.7	6.9	6.9
12.5°	239.5	237.9	229.5	160.7	136.2	137.0	140.0	101.0	36.7	97.2	113.2
15°	254.0	252.5	252.5	253.2	240.2	149.2	210.4	275.4	195.9	234.1	237.9
17.5°	284.6	276.2	269.3	264.7	266.3	296.9	298.4	304.5	228.0	262.4	267.0
20°	436.1	433.0	408.6	312.9	292.3	385.6	343.5	338.2	426.9	463.7	471.3
22.5°	498.1	495.0	477.4	460.6	480.5	420.0	488.9	504.2	578.4	556.2	563.1
25°	676.4	674.1	576.1	533.3	586.1	482.8	603.7	577.7	638.9	712.3	720.0
27.5°	827.8	822.5	802.6	719.2	654.2	723.8	667.9	772.0	867.6	879.9	902.8
30°	983.2	948.0	886.8	889.8	805.7	798.0	795.7	926.5	929.6	948.7	987.8
32.5°	1237.2	1221.1	1169.8	1011.5	993.1	886.8	979.3	987.8	1214.2	1293.8	1301.4
35°	1440.7	1371.8	1323.6	1234.1	1094.9	1129.3	1091.0	1242.5	1332.0	1383.3	1414.7
37.5°	1765.1	1774.3	1695.5	1369.5	1282.3	1242.5	1309.1	1391.0	1502.7	1514.9	1562.3
40°	1998.5	1992.3	1886.0	1645.7	1450.6	1410.1	1454.5	1534.8	1686.3	1701.6	1713.1
42.5°	2338.2	2308.3	2159.9	1889.8	1709.2	1623.6	1635.8	1669.5	1821.0	1889.0	1875.3
45°	2652.6	2632.7	2482.8	2149.9	1954.1	1853.9	1835.5	1805.6	1987.7	2078.8	2053.5
47.5°	2899.0	2863.8	2778.1	2439.2	2288.4	2117.8	2026.0	1971.7	2153.0	2269.3	2234.1
50°	3162.9	3109.4	3032.1	2726.1	2577.6	2425.4	2223.4	2155.3	2338.9	2454.5	2426.1
52.5°	3338.2	3254.8	3206.6	2981.6	2844.7	2711.5	2415.4	2369.5	2543.2	2654.2	2648.0
55°	3250.2	3247.1	3296.1	3153.8	3020.6	2879.9	2615.1	2612.8	2756.7	2870.7	2876.0
57.5°	3097.1	3113.2	3252.5	3273.9	3217.3	3052.0	2862.3	2885.2	3007.6	3113.2	3124.7
60°	2902.0	2946.4	3146.9	3260.1	3305.3	3223.4	3100.2	3135.4	3281.5	3372.6	3369.5
62.5°	2644.2	2680.2	2929.6	3185.9	3277.7	3355.0	3319.8	3433.0	3548.6	3634.3	3656.4
65°	2339.7	2354.2	2624.3	2970.1	3207.3	3422.3	3503.4	3709.2	3765.1	3896.7	3901.3
67.5°	2002.3	2006.9	2241.8	2654.2	3054.3	3417.0	3659.5	3913.5	3899.0	4039.0	4028.3
69°	1765.1	1798.0	1990.8	2397.1	2905.9	3384.1	3736.8	3980.8	3931.9	4068.8	4022.2
70°	1598.3	1596.0	1816.4	2179.0	2775.0	3342.0	3785.7	3998.4	3932.6	4048.2	3977.8
72.5°	1018.4	1033.7	1224.2	1546.3	2236.4	3098.7	3846.2	3951.8	3848.5	3837.0	3686.3
75°	449.9	408.6	527.9	818.7	1406.3	2410.1	3700.8	3741.4	3609.0	3372.6	3114.0
77.5°	157.6	163.7	198.9	332.8	677.1	1436.1	3067.3	3291.5	3187.4	2619.0	2330.5
80°	112.5	113.2	133.1	185.9	328.2	506.5	1952.5	2381.0	2452.9	1726.8	1484.3
82.5°	79.6	79.6	98.7	118.6	227.2	226.5	840.1	1309.9	1399.4	765.9	573.1
85°	66.6	68.1	75.7	68.9	133.1	115.5	207.3	404.0	331.3	93.3	81.9
87.5°	9.9	9.2	26.0	23.0	19.9	16.8	23.0	26.0	17.6	13.8	9.9
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: P416257

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2.5°	3.1	3.1	3.1	3.1	2.3	1.5	1.5	1.5	2.3	2.3	2.3
5°	3.1	3.1	3.1	3.1	3.1	3.1	3.8	5.4	6.1	6.9	6.9
7.5°	3.1	3.1	3.1	3.8	4.6	6.9	37.5	130.1	142.3	148.4	152.3
10°	6.1	6.9	6.9	6.9	16.8	143.8	171.4	177.5	183.6	186.7	185.9
12.5°	118.6	122.4	30.6	22.2	133.9	179.8	185.2	191.3	197.4	202.0	201.2
15°	244.1	250.2	240.2	248.7	264.0	195.1	199.7	338.2	366.5	371.8	372.6
17.5°	272.4	277.0	281.6	366.5	375.7	289.2	345.8	371.1	374.1	375.7	376.4
20°	518.7	516.4	417.7	401.7	397.9	501.9	367.3	374.1	447.6	509.6	512.6
22.5°	572.3	579.2	551.6	589.9	522.6	508.0	462.9	495.8	523.3	522.6	520.3
25°	742.2	751.3	632.7	613.6	626.6	505.0	577.7	495.0	502.7	503.4	508.0
27.5°	928.1	930.4	878.3	690.9	616.7	625.1	544.0	527.2	589.1	593.0	593.0
30°	1010.7	1025.2	928.1	800.3	638.9	590.7	527.2	574.6	547.1	551.6	551.6
32.5°	1342.8	1331.3	1211.9	792.6	661.8	543.2	550.9	532.5	589.9	605.2	606.7
35°	1430.0	1406.3	1218.8	886.0	617.4	554.7	503.4	540.9	540.9	540.2	536.3
37.5°	1537.9	1496.5	1204.3	820.2	621.3	506.5	485.8	486.6	531.0	540.9	534.0
40°	1665.6	1603.7	1202.0	765.9	563.1	479.7	446.1	468.2	467.5	454.5	446.8
42.5°	1804.1	1722.3	1196.6	701.6	505.7	449.9	420.8	413.9	417.7	394.0	391.7
45°	1966.3	1844.7	1181.3	645.0	459.8	417.7	384.8	374.1	375.7	357.3	352.7
47.5°	2138.5	1970.9	1177.5	600.6	421.6	385.6	358.8	345.1	350.4	329.8	325.2
50°	2330.5	2101.0	1164.5	559.3	379.5	355.8	335.9	319.8	320.6	304.5	300.7
52.5°	2539.4	2227.2	1150.0	502.7	341.2	330.5	319.0	306.8	320.6	299.2	294.6
55°	2753.6	2381.0	1130.8	436.9	306.8	311.4	299.9	309.1	329.0	295.3	289.2
57.5°	2991.6	2525.6	1094.9	365.0	279.3	290.0	297.6	309.9	325.9	294.6	283.1
60°	3217.3	2664.9	1009.2	308.3	255.5	272.4	293.0	305.3	303.7	289.2	281.6
62.5°	3446.8	2779.6	850.8	264.7	235.7	264.0	286.1	291.5	284.6	279.3	274.7
65°	3573.0	2807.9	659.5	235.7	219.6	252.5	277.7	282.3	272.4	272.4	268.6
67.5°	3552.4	2716.9	486.6	211.9	205.8	241.0	263.2	273.9	267.0	272.4	266.3
69°	3469.8	2612.8	382.6	199.7	198.9	231.8	254.8	267.0	261.7	269.3	261.7
70°	3372.6	2508.0	338.2	192.8	192.0	224.9	249.4	261.7	255.5	261.7	254.8
72.5°	3000.0	2152.2	242.5	173.7	176.0	211.2	236.4	245.6	240.2	241.8	232.6
75°	2398.6	1599.8	192.0	157.6	159.9	195.1	221.9	227.2	223.4	216.5	211.2
77.5°	1686.3	1031.4	157.6	143.1	143.8	176.0	206.6	205.8	199.7	192.8	185.9
80°	919.7	485.1	133.9	125.5	127.8	156.8	184.4	182.1	174.4	167.6	159.1
82.5°	397.9	195.9	104.1	100.2	107.1	131.6	158.4	152.3	145.4	148.4	115.5
85°	71.2	67.3	60.4	64.3	72.7	93.3	111.7	106.3	102.5	87.2	80.3
87.5°	6.1	9.2	9.2	11.5	16.1	17.6	31.4	23.0	23.7	9.2	4.6
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)