

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: P417322

Luminaire Tested: **LXF.LXT-PA1-90-827-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417322
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-827-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7289 lumens
Efficiency: N/A
Efficacy: 77.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 94
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

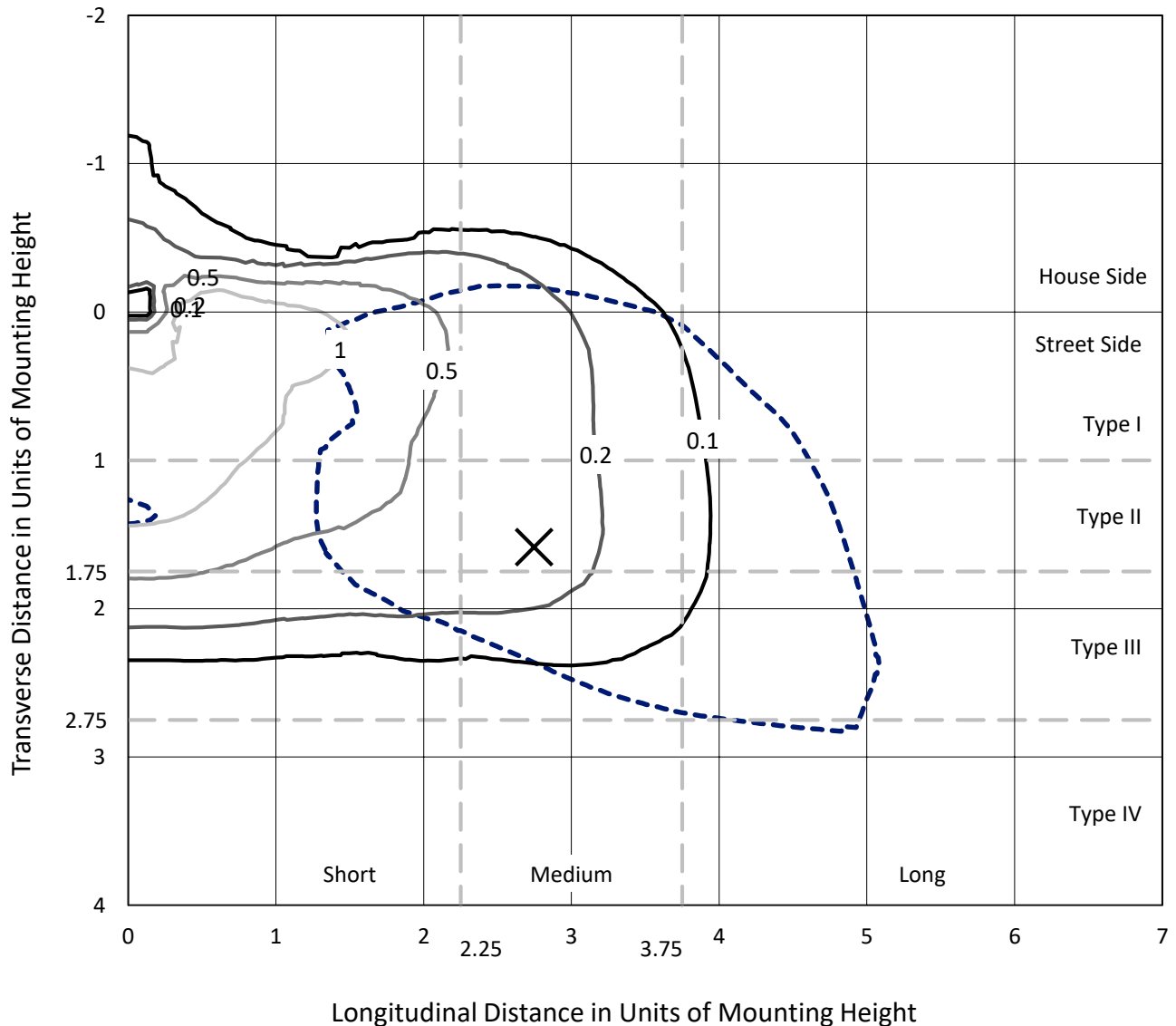


REPORT NUMBER: P417322

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

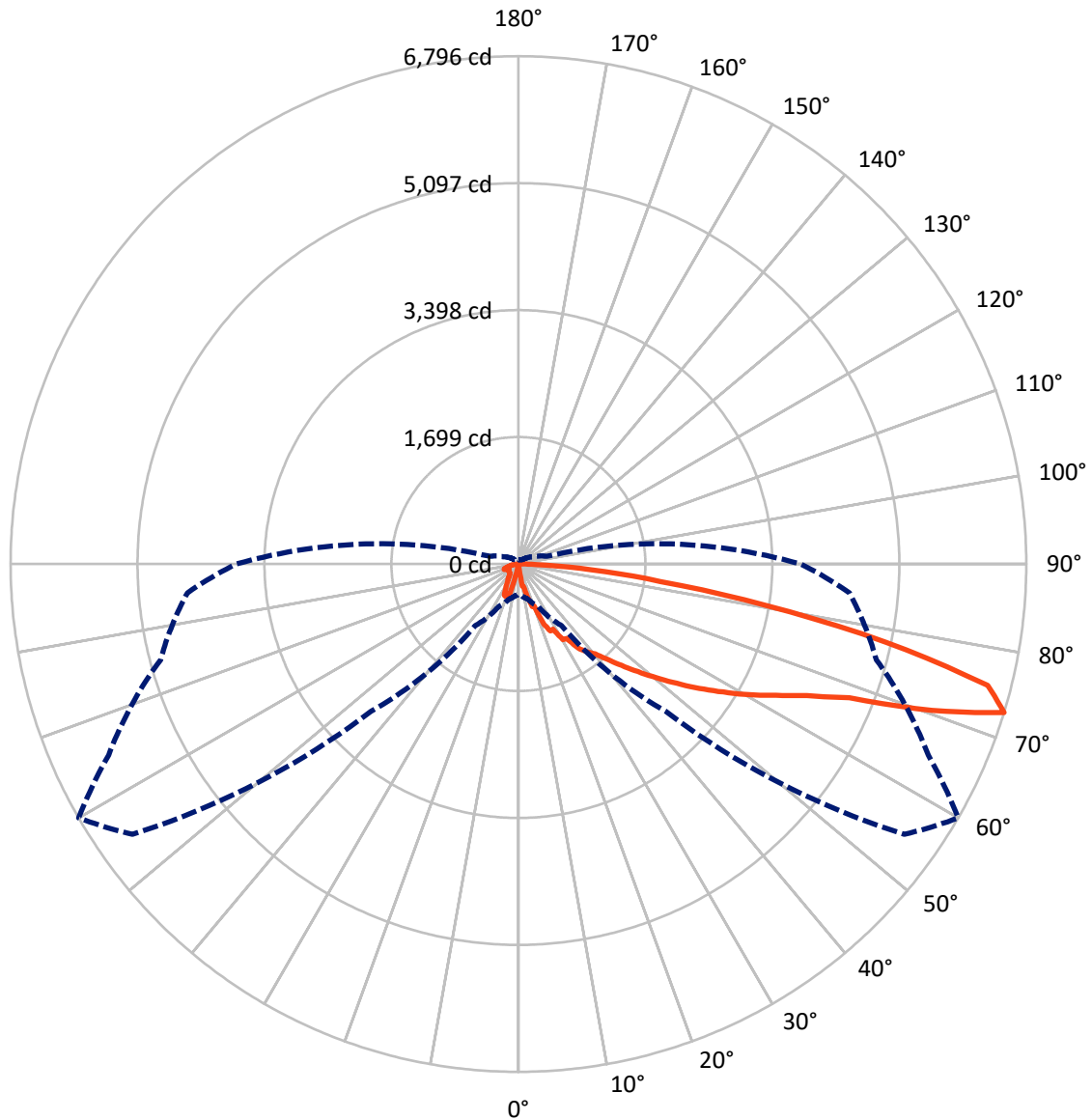


Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Medium - Non-Cutoff

REPORT NUMBER: P417322

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



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CATALOG NUMBER: LXF.LXT-PA1-90-827-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1049.7	0.0	1049.7
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	6239.3	0.0	6239.3
	% Fixture	85.6	0.0	85.6
Total	Lumens	7289.0	0.0	7289.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.7	0.1
10°-20°	106.3	1.5
20°-30°	320.0	4.4
30°-40°	632.9	8.7
40°-50°	1048.4	14.4
50°-60°	1566.1	21.5
60°-70°	1863.1	25.6
70°-80°	1491.4	20.5
80°-90°	253.1	3.5
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°	7289.0	100.0
0°-180°	7289.0	100.0

Coefficient of Utilization



REPORT NUMBER: P417322

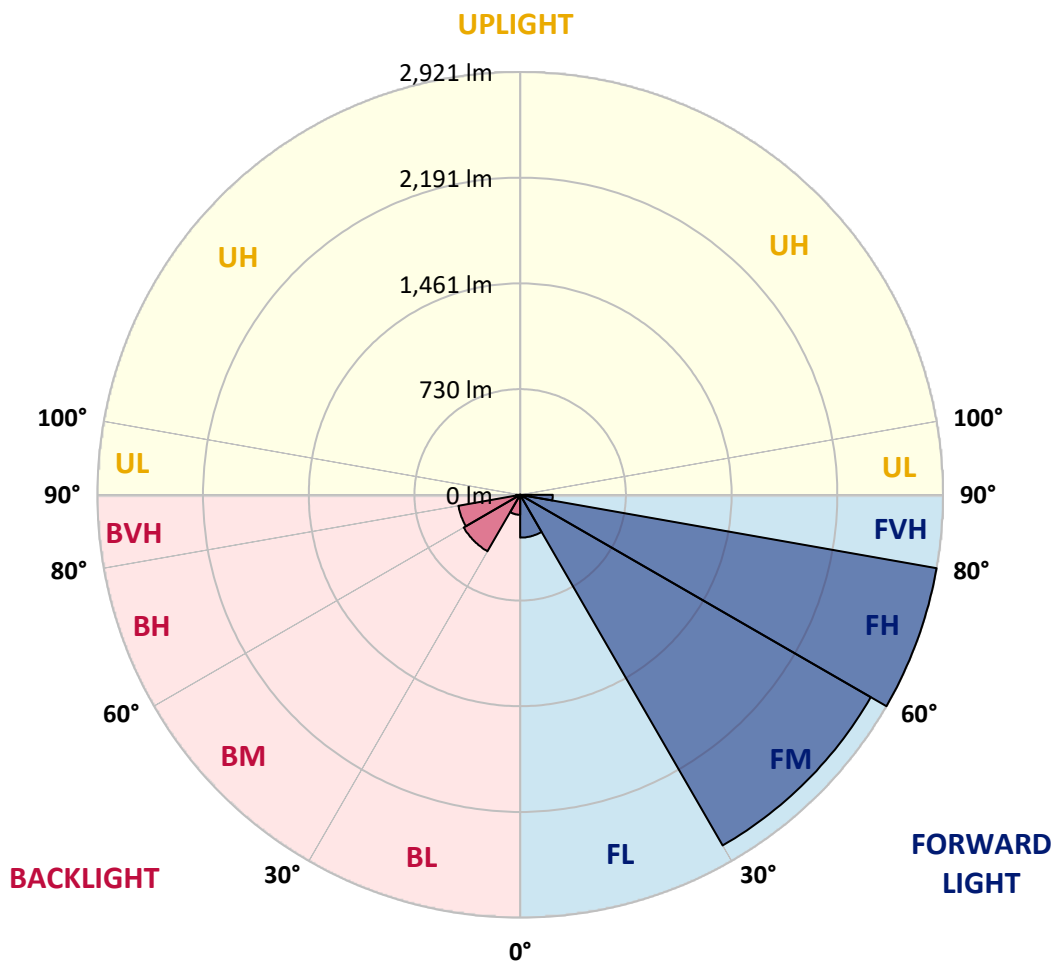
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	295.8	4.1			
FM	(30°-60°)	2797.0	38.4			
FH	(60°-80°)	2921.2	40.1			G2/5000
FVH	(80°-90°)	225.2	3.1			G3/500
BL	(0°-30°)	138.1	1.9	B1/500		
BM	(30°-60°)	450.4	6.2	B1/1000		
BH	(60°-80°)	433.3	5.9	B1/500		G1/500
BVH	(80°-90°)	27.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Medium





REPORT NUMBER: P417322

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	4.0	4.0	4.8	5.6	5.6	4.8	4.0	4.0	4.0	3.2	4.0
5°	272.4	137.4	92.1	43.7	32.6	15.9	6.4	4.8	4.8	4.0	4.0
7.5°	312.9	312.9	313.7	316.8	319.2	320.8	39.7	20.6	7.9	4.0	4.0
10°	301.7	299.4	301.0	304.1	307.3	312.1	317.6	301.7	35.7	6.4	4.8
12.5°	557.4	555.9	536.8	327.2	303.3	303.3	311.3	312.1	245.4	23.8	23.0
15°	537.6	536.8	539.2	544.7	553.5	313.7	318.4	463.7	604.3	425.6	494.7
17.5°	552.7	546.3	532.0	528.9	536.8	504.2	593.2	600.3	613.8	489.1	501.1
20°	758.3	756.0	756.0	636.8	524.9	733.7	696.4	601.1	617.0	707.5	886.2
22.5°	756.0	752.0	746.4	745.6	855.2	713.9	725.0	869.5	904.5	1037.1	1001.3
25°	1027.5	1017.2	861.6	751.2	849.7	799.6	968.8	994.2	919.5	1076.0	1024.4
27.5°	1115.7	1095.8	1046.6	959.2	856.0	971.9	967.2	987.8	1014.0	1470.6	1407.9
30°	1515.1	1421.4	1157.8	1114.1	1023.6	983.9	1102.2	1174.4	1280.8	1440.5	1466.7
32.5°	1695.3	1661.2	1532.6	1371.4	1195.9	1062.5	1205.4	1187.1	1290.4	1750.9	1880.4
35°	2084.4	2042.4	1689.8	1544.5	1390.4	1302.3	1239.6	1386.5	1513.5	1820.8	1916.1
37.5°	2160.7	2151.1	2069.4	1808.9	1602.4	1431.7	1450.8	1490.5	1573.1	1918.5	2016.9
40°	2220.2	2221.0	2244.8	2020.1	1797.8	1639.8	1582.6	1583.4	1654.1	2078.9	2146.4
42.5°	2377.5	2383.8	2448.1	2208.3	2034.4	1882.8	1783.5	1739.8	1793.8	2263.1	2305.2
45°	2660.9	2646.7	2701.4	2402.1	2212.3	2082.1	2002.7	1936.0	1964.5	2459.2	2507.7
47.5°	3017.5	2987.3	2969.0	2643.5	2406.0	2294.1	2220.2	2150.4	2159.1	2646.7	2739.6
50°	3293.0	3277.9	3183.4	2826.1	2572.8	2507.7	2476.7	2390.2	2352.8	2855.5	3004.8
52.5°	3410.6	3396.3	3279.5	2964.3	2704.6	2711.8	2765.8	2653.0	2548.2	3081.8	3257.3
55°	3389.9	3378.0	3301.0	3032.6	2799.9	2908.7	3050.0	2937.3	2801.5	3295.4	3514.6
57.5°	3237.4	3243.0	3242.2	3037.3	2873.0	3093.7	3328.0	3231.1	3069.9	3507.4	3723.4
60°	2900.8	2930.1	3039.7	3003.2	2965.9	3268.4	3598.0	3552.7	3382.0	3740.1	3916.4
62.5°	2323.5	2381.4	2621.2	2816.6	3040.5	3513.0	3861.6	3867.1	3705.2	3920.3	4065.7
65°	1567.5	1562.7	1920.1	2404.5	2952.4	3897.3	4255.4	4244.3	4004.5	4126.0	4285.6
67.5°	871.1	890.2	1124.4	1591.3	2613.3	4135.5	5011.4	4773.2	4417.4	4439.7	4594.5
70°	539.2	562.2	640.8	889.4	1673.1	3857.6	5982.6	5871.4	5180.5	4855.8	4719.2
72.5°	409.7	422.4	486.0	630.5	1006.9	2790.4	6305.0	6795.7	6050.8	4958.2	4447.6
75°	244.6	259.7	346.2	544.7	839.3	1444.4	5466.4	6484.4	6327.2	4893.1	3881.4
77.5°	152.5	156.4	186.6	380.4	773.4	909.2	3744.9	5022.5	5156.7	4144.3	2742.7
80°	116.7	117.5	128.6	202.5	624.9	860.8	2168.6	3354.2	3287.5	2213.1	1077.6
82.5°	73.8	78.6	100.1	123.9	297.0	839.3	1281.6	1909.7	1681.1	598.7	300.2
85°	37.3	42.1	70.7	85.0	143.7	909.2	909.2	979.1	688.5	200.9	113.6
87.5°	6.4	6.4	9.5	22.2	28.6	154.1	254.1	221.5	146.1	27.0	22.2
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: P417322

CATALOG NUMBER: LXF.LXT-PA1-90-827-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	4.0	4.0	4.0	3.2	2.4	1.6	0.8	0.8	0.8	1.6	1.6
5°	4.0	4.0	4.0	3.2	2.4	1.6	0.8	0.8	1.6	2.4	2.4
7.5°	4.0	4.0	4.0	3.2	2.4	2.4	1.6	3.2	7.1	92.9	62.7
10°	4.8	4.8	4.8	4.0	3.2	8.7	271.6	286.7	287.5	285.9	282.7
12.5°	25.4	27.8	20.6	7.1	29.4	272.4	261.3	248.5	243.8	238.2	238.2
15°	501.9	495.5	467.7	344.6	211.2	243.0	218.4	201.7	312.9	308.9	312.1
17.5°	503.4	492.3	452.6	493.1	457.4	218.4	247.8	269.2	254.1	248.5	250.9
20°	955.3	903.7	459.0	459.8	392.3	387.5	210.4	198.5	200.9	205.7	207.3
22.5°	972.7	913.2	704.3	595.6	336.7	310.5	215.2	172.3	254.9	283.5	286.7
25°	980.7	906.0	665.4	527.3	380.4	232.7	208.0	189.0	232.7	261.3	262.8
27.5°	1386.5	1256.2	909.2	447.9	293.8	204.1	194.5	177.9	208.8	258.9	259.7
30°	1374.5	1221.3	842.5	433.6	227.1	188.2	168.3	185.8	196.9	210.4	210.4
32.5°	1787.5	1567.5	934.6	349.4	190.6	156.4	158.8	169.1	169.9	200.9	203.3
35°	1788.3	1533.4	805.2	319.2	163.6	142.9	145.3	156.4	173.1	193.0	196.1
37.5°	1816.0	1518.3	694.0	248.5	163.6	142.9	138.2	149.3	161.2	189.0	192.2
40°	1874.8	1524.6	588.4	206.5	158.0	140.6	136.6	145.3	159.6	175.5	177.1
42.5°	1974.9	1560.4	488.4	186.6	154.1	140.6	131.0	137.4	145.3	177.9	181.0
45°	2133.7	1636.6	411.3	178.7	152.5	135.0	124.7	126.3	131.8	210.4	219.2
47.5°	2319.5	1742.2	344.6	174.7	150.1	129.4	115.1	116.7	129.4	239.0	250.9
50°	2533.9	1898.6	304.9	173.9	147.7	121.5	108.0	116.7	142.9	238.2	243.8
52.5°	2785.6	2057.4	283.5	177.1	146.1	114.3	112.0	131.0	135.8	191.4	191.4
55°	3011.9	2233.7	285.1	179.5	141.3	114.3	115.1	111.2	107.2	131.8	132.6
57.5°	3234.3	2409.2	311.3	174.7	134.2	115.1	99.3	91.3	92.9	112.0	114.3
60°	3427.2	2578.4	389.9	164.4	127.8	104.0	92.1	85.8	87.3	112.8	115.1
62.5°	3635.3	2784.8	540.0	168.3	127.1	98.5	85.8	78.6	81.8	93.7	95.3
65°	3916.4	3073.1	675.0	198.5	131.8	95.3	78.6	74.6	75.4	76.2	76.2
67.5°	4191.9	3250.9	651.1	234.3	147.7	93.7	74.6	69.9	69.1	69.1	69.1
70°	4164.9	3058.0	516.1	248.5	160.4	93.7	71.5	65.1	63.5	63.5	63.5
72.5°	3775.0	2615.7	396.2	230.3	147.7	89.7	66.7	59.6	57.2	57.2	57.2
75°	3212.0	2097.9	332.7	200.1	120.7	77.0	58.8	53.2	51.6	51.6	50.8
77.5°	2051.9	1240.3	282.7	162.8	92.9	62.7	50.8	46.1	46.1	46.1	43.7
80°	823.5	545.5	220.0	128.6	72.3	50.0	42.1	39.7	38.9	38.1	35.7
82.5°	312.9	269.2	142.9	93.7	55.6	38.1	34.1	31.8	31.8	31.0	27.0
85°	112.0	104.8	65.9	54.0	34.1	23.8	26.2	23.8	23.0	20.6	17.5
87.5°	23.8	26.2	18.3	11.9	11.9	7.1	8.7	9.5	9.5	8.7	4.8
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)