

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: P416101

Luminaire Tested: **LXF.LXT-PA1-60-827-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416101
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-PA1-60-827-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5570 lumens
Efficiency: N/A
Efficacy: 87.0 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): 64
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

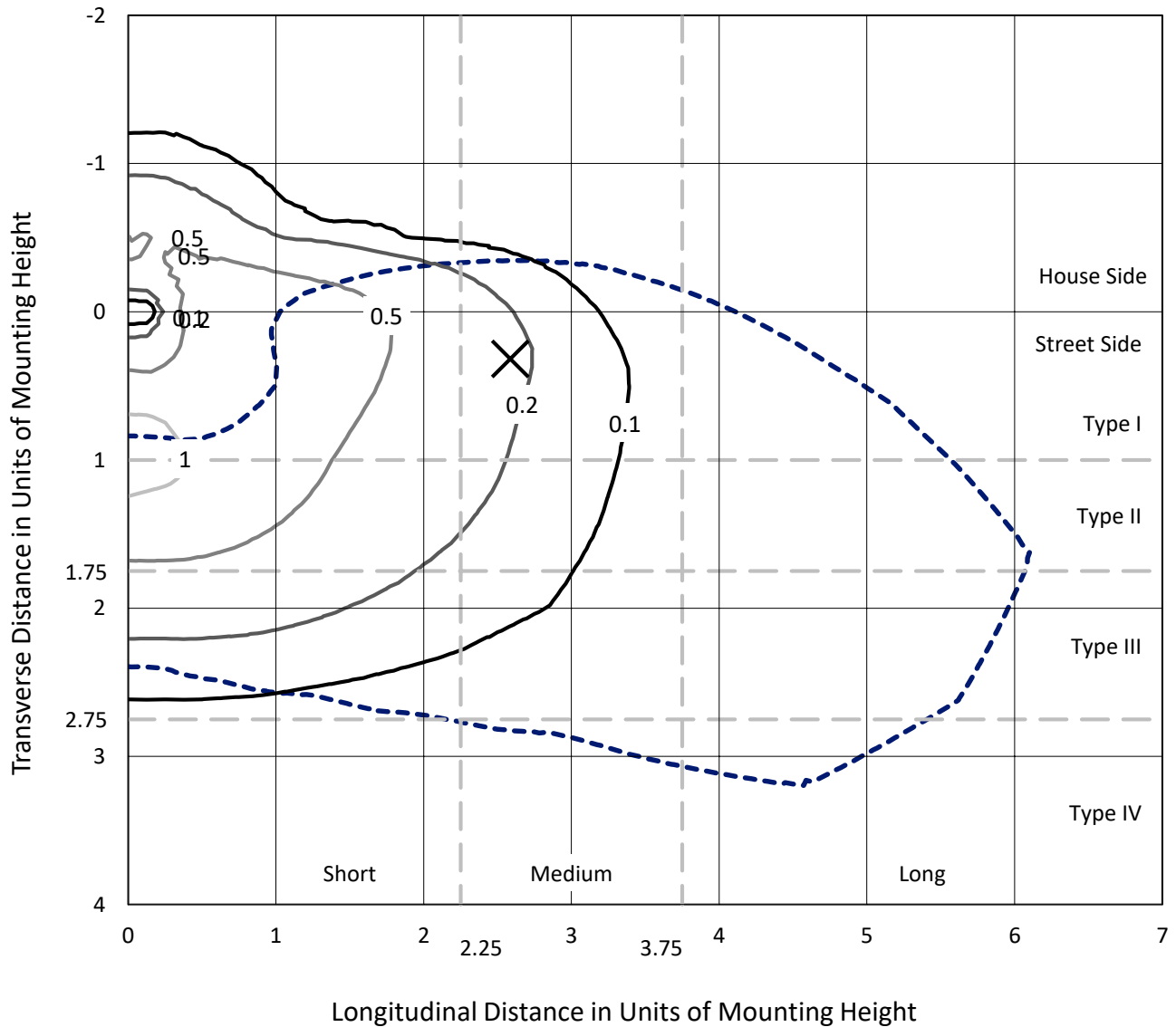


REPORT NUMBER: P416101

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

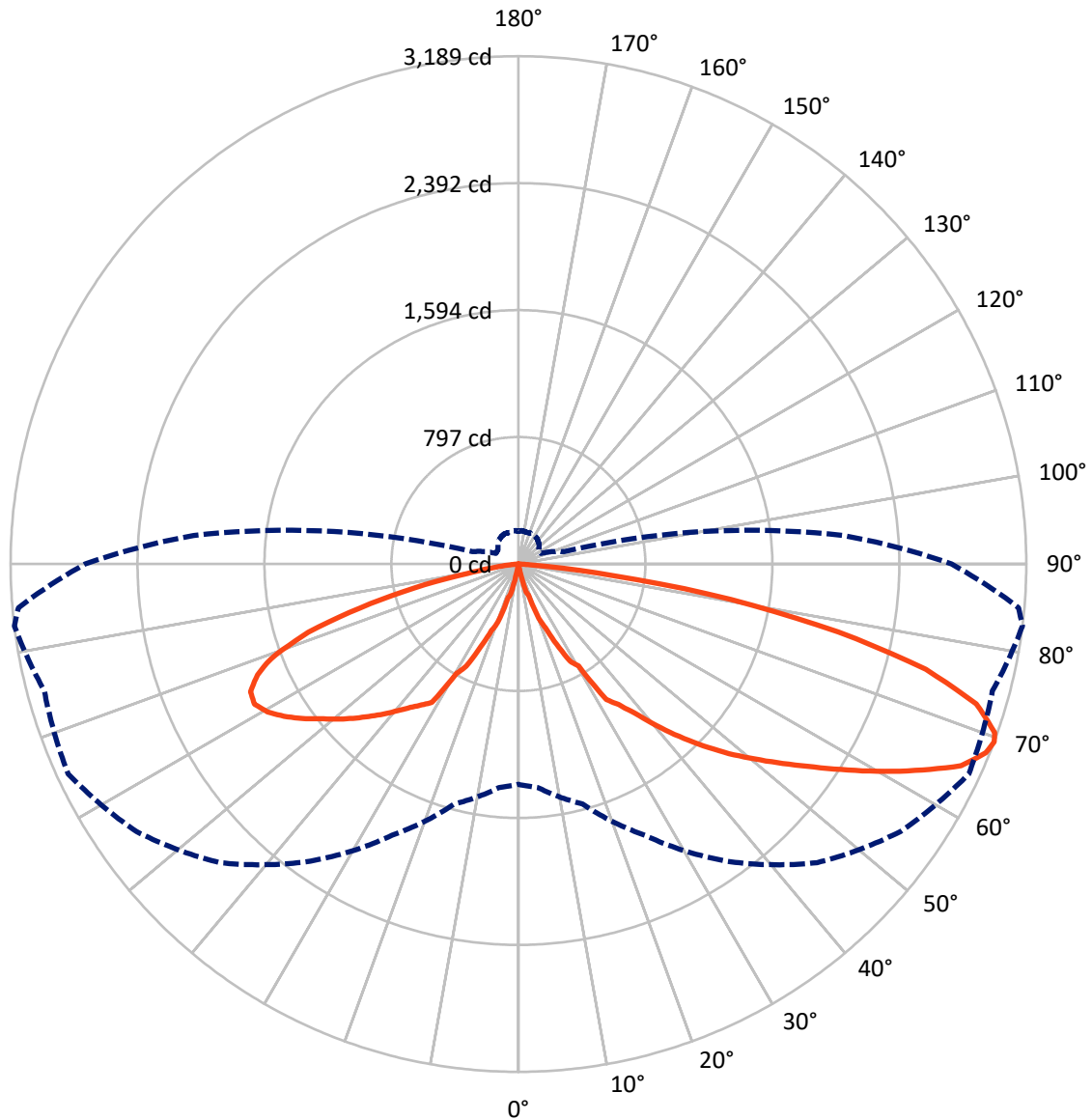


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416101

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P416101

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1181.4	0.0	1181.4
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	4388.6	0.0	4388.6
	% Fixture	78.8	0.0	78.8
Total	Lumens	5570.0	0.0	5570.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.6	0.1
10°-20°	56.6	1.0
20°-30°	223.4	4.0
30°-40°	497.1	8.9
40°-50°	844.1	15.2
50°-60°	1257.8	22.6
60°-70°	1481.3	26.6
70°-80°	1036.9	18.6
80°-90°	169.3	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°	5570.0	100.0
0°-180°	5570.0	100.0



REPORT NUMBER: P416101

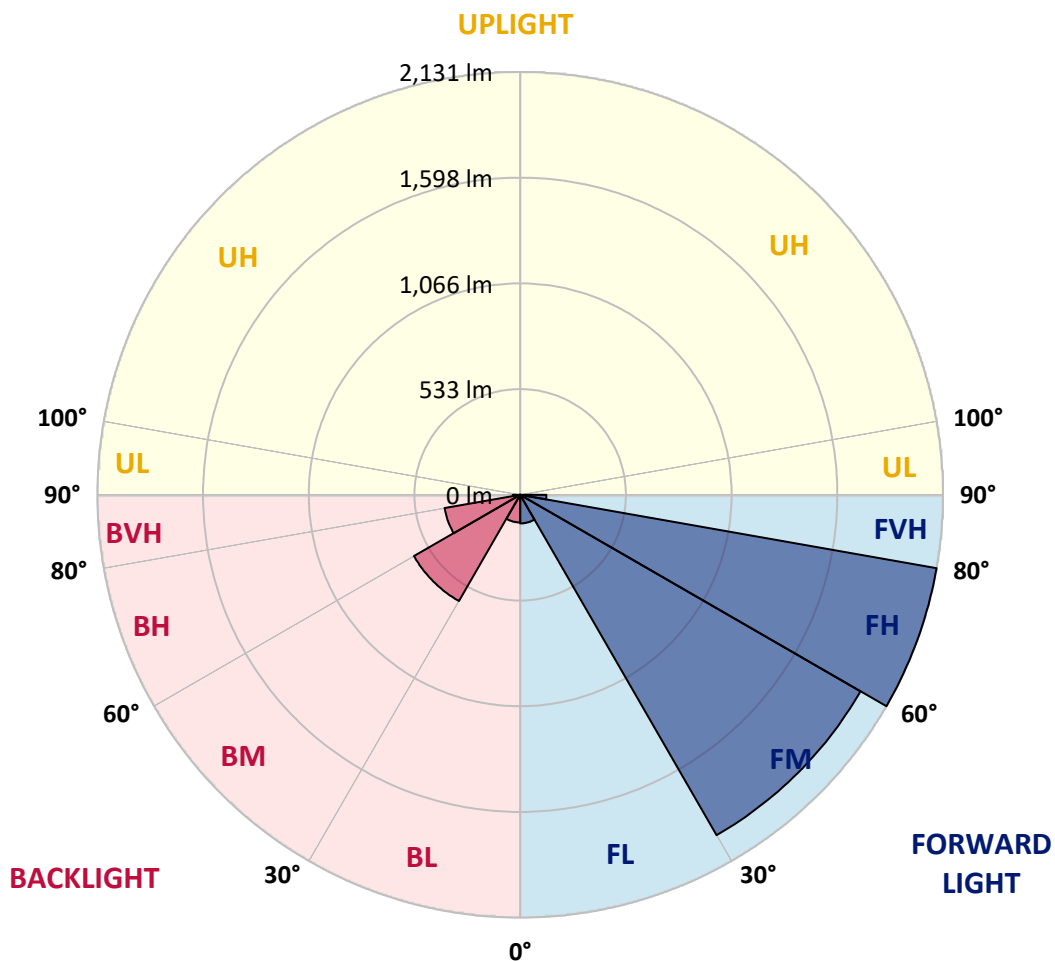
CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	144.2	2.6			
FM	(30°-60°)	1980.8	35.6			
FH	(60°-80°)	2131.2	38.3			G2/5000
FVH	(80°-90°)	132.3	2.4			G2/225
BL	(0°-30°)	139.3	2.5	B1/500		
BM	(30°-60°)	618.2	11.1	B1/1000		
BH	(60°-80°)	387.0	6.9	B1/500		G1/500
BVH	(80°-90°)	37.0	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: P416101

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	3.0	2.4	3.0	3.6	3.6	3.0	2.4	2.4	2.4	2.4	1.8
5°	48.6	35.4	31.8	28.2	16.8	6.0	3.6	2.4	2.4	2.4	2.4
7.5°	102.5	102.5	102.5	103.1	102.5	76.2	18.0	4.2	2.4	2.4	2.4
10°	103.7	103.1	102.5	103.1	104.3	104.9	101.3	14.4	6.0	5.4	5.4
12.5°	187.7	186.5	179.9	125.9	106.7	107.3	109.7	79.2	28.8	76.2	88.7
15°	199.1	197.9	197.9	198.5	188.3	116.9	164.9	215.9	153.5	183.5	186.5
17.5°	223.1	216.5	211.1	207.5	208.7	232.7	233.9	238.7	178.7	205.7	209.3
20°	341.8	339.4	320.2	245.3	229.1	302.2	269.2	265.0	334.6	363.4	369.4
22.5°	390.4	388.0	374.2	361.0	376.6	329.2	383.2	395.2	453.3	435.9	441.3
25°	530.1	528.3	451.5	417.9	459.3	378.4	473.1	452.7	500.7	558.3	564.3
27.5°	648.8	644.6	629.0	563.7	512.7	567.3	523.5	605.0	680.0	689.6	707.6
30°	770.5	743.0	695.0	697.4	631.4	625.4	623.6	726.2	728.6	743.6	774.1
32.5°	969.6	957.0	916.8	792.7	778.3	695.0	767.5	774.1	951.6	1014.0	1020.0
35°	1129.1	1075.2	1037.4	967.2	858.1	885.1	855.1	973.8	1044.0	1084.1	1108.7
37.5°	1383.4	1390.6	1328.8	1073.4	1005.0	973.8	1026.0	1090.1	1177.7	1187.3	1224.5
40°	1566.3	1561.5	1478.1	1289.8	1136.9	1105.1	1139.9	1202.9	1321.6	1333.6	1342.6
42.5°	1832.5	1809.1	1692.8	1481.1	1339.6	1272.4	1282.0	1308.4	1427.1	1480.5	1469.7
45°	2079.0	2063.4	1945.8	1685.0	1531.5	1452.9	1438.5	1415.1	1557.9	1629.2	1609.4
47.5°	2272.0	2244.5	2177.3	1911.7	1793.5	1659.8	1587.8	1545.3	1687.4	1778.5	1750.9
50°	2478.9	2436.9	2376.4	2136.5	2020.2	1900.9	1742.6	1689.2	1833.1	1923.6	1901.5
52.5°	2616.2	2550.9	2513.1	2336.8	2229.5	2125.1	1893.1	1857.1	1993.2	2080.1	2075.4
55°	2547.3	2544.9	2583.2	2471.7	2367.4	2257.0	2049.6	2047.8	2160.5	2249.8	2254.0
57.5°	2427.3	2439.9	2549.1	2565.9	2521.5	2392.0	2243.3	2261.2	2357.2	2439.9	2448.9
60°	2274.4	2309.2	2466.3	2555.1	2590.4	2526.3	2429.7	2457.3	2571.9	2643.2	2640.8
62.5°	2072.4	2100.5	2296.0	2496.9	2568.9	2629.4	2601.8	2690.6	2781.1	2848.3	2865.7
65°	1833.7	1845.1	2056.8	2327.8	2513.7	2682.2	2745.7	2907.1	2950.8	3054.0	3057.6
67.5°	1569.3	1572.9	1756.9	2080.1	2393.8	2678.0	2868.1	3067.2	3055.8	3165.5	3157.1
69°	1383.4	1409.2	1560.3	1878.7	2277.4	2652.2	2928.6	3119.9	3081.5	3188.9	3152.3
70°	1252.6	1250.8	1423.5	1707.8	2174.9	2619.2	2967.0	3133.7	3082.1	3172.7	3117.5
72.5°	798.1	810.1	959.4	1211.9	1752.7	2428.5	3014.4	3097.1	3016.2	3007.2	2889.1
75°	352.6	320.2	413.8	641.6	1102.1	1888.9	2900.5	2932.2	2828.5	2643.2	2440.5
77.5°	123.5	128.3	155.9	260.8	530.7	1125.5	2404.0	2579.6	2498.1	2052.6	1826.5
80°	88.1	88.7	104.3	145.7	257.2	397.0	1530.3	1866.1	1922.4	1353.4	1163.3
82.5°	62.4	62.4	77.4	92.9	178.1	177.5	658.4	1026.6	1096.7	600.2	449.1
85°	52.2	53.4	59.4	54.0	104.3	90.5	162.5	316.6	259.6	73.2	64.2
87.5°	7.8	7.2	20.4	18.0	15.6	13.2	18.0	20.4	13.8	10.8	7.8
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: P416101

CATALOG NUMBER: LXF.LXT-PA1-60-827-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	2.4	2.4	2.4	2.4	1.8	1.2	1.2	1.2	1.8	1.8	1.8
5°	2.4	2.4	2.4	2.4	2.4	2.4	3.0	4.2	4.8	5.4	5.4
7.5°	2.4	2.4	2.4	3.0	3.6	5.4	29.4	101.9	111.5	116.3	119.3
10°	4.8	5.4	5.4	5.4	13.2	112.7	134.3	139.1	143.9	146.3	145.7
12.5°	92.9	95.9	24.0	17.4	104.9	140.9	145.1	149.9	154.7	158.3	157.7
15°	191.3	196.1	188.3	194.9	206.9	152.9	156.5	265.0	287.2	291.4	292.0
17.5°	213.5	217.1	220.7	287.2	294.4	226.7	271.0	290.8	293.2	294.4	295.0
20°	406.6	404.8	327.4	314.8	311.8	393.4	287.8	293.2	350.8	399.4	401.8
22.5°	448.5	453.9	432.3	462.3	409.6	398.2	362.8	388.6	410.2	409.6	407.8
25°	581.7	588.8	495.9	480.9	491.1	395.8	452.7	388.0	394.0	394.6	398.2
27.5°	727.4	729.2	688.4	541.5	483.3	489.9	426.3	413.2	461.7	464.7	464.7
30°	792.1	803.5	727.4	627.2	500.7	462.9	413.2	450.3	428.7	432.3	432.3
32.5°	1052.4	1043.4	949.8	621.2	518.7	425.7	431.7	417.3	462.3	474.3	475.5
35°	1120.7	1102.1	955.2	694.4	483.9	434.7	394.6	423.9	423.9	423.3	420.3
37.5°	1205.3	1172.9	943.8	642.8	486.9	397.0	380.8	381.4	416.1	423.9	418.5
40°	1305.4	1256.8	942.0	600.2	441.3	376.0	349.6	367.0	366.4	356.2	350.2
42.5°	1414.0	1349.8	937.8	549.9	396.4	352.6	329.8	324.4	327.4	308.8	307.0
45°	1541.1	1445.7	925.8	505.5	360.4	327.4	301.6	293.2	294.4	280.0	276.4
47.5°	1676.0	1544.7	922.8	470.7	330.4	302.2	281.2	270.4	274.6	258.4	254.8
50°	1826.5	1646.6	912.7	438.3	297.4	278.8	263.2	250.6	251.2	238.7	235.7
52.5°	1990.2	1745.6	901.3	394.0	267.4	259.0	250.0	240.5	251.2	234.5	230.9
55°	2158.1	1866.1	886.3	342.4	240.5	244.1	235.1	242.3	257.8	231.5	226.7
57.5°	2344.6	1979.4	858.1	286.0	218.9	227.3	233.3	242.9	255.4	230.9	221.9
60°	2521.5	2088.5	790.9	241.7	200.3	213.5	229.7	239.3	238.1	226.7	220.7
62.5°	2701.4	2178.5	666.8	207.5	184.7	206.9	224.3	228.5	223.1	218.9	215.3
65°	2800.3	2200.7	516.9	184.7	172.1	197.9	217.7	221.3	213.5	213.5	210.5
67.5°	2784.1	2129.3	381.4	166.1	161.3	188.9	206.3	214.7	209.3	213.5	208.7
69°	2719.4	2047.8	299.8	156.5	155.9	181.7	199.7	209.3	205.1	211.1	205.1
70°	2643.2	1965.6	265.0	151.1	150.5	176.3	195.5	205.1	200.3	205.1	199.7
72.5°	2351.2	1686.8	190.1	136.1	137.9	165.5	185.3	192.5	188.3	189.5	182.3
75°	1879.9	1253.8	150.5	123.5	125.3	152.9	173.9	178.1	175.1	169.7	165.5
77.5°	1321.6	808.3	123.5	112.1	112.7	137.9	161.9	161.3	156.5	151.1	145.7
80°	720.8	380.2	104.9	98.3	100.1	122.9	144.5	142.7	136.7	131.3	124.7
82.5°	311.8	153.5	81.6	78.6	83.9	103.1	124.1	119.3	113.9	116.3	90.5
85°	55.8	52.8	47.4	50.4	57.0	73.2	87.5	83.3	80.4	68.4	63.0
87.5°	4.8	7.2	7.2	9.0	12.6	13.8	24.6	18.0	18.6	7.2	3.6
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)