

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: P415676

Luminaire Tested: **LXF.LXT-PA1-50-827-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415676
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-827-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4820 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

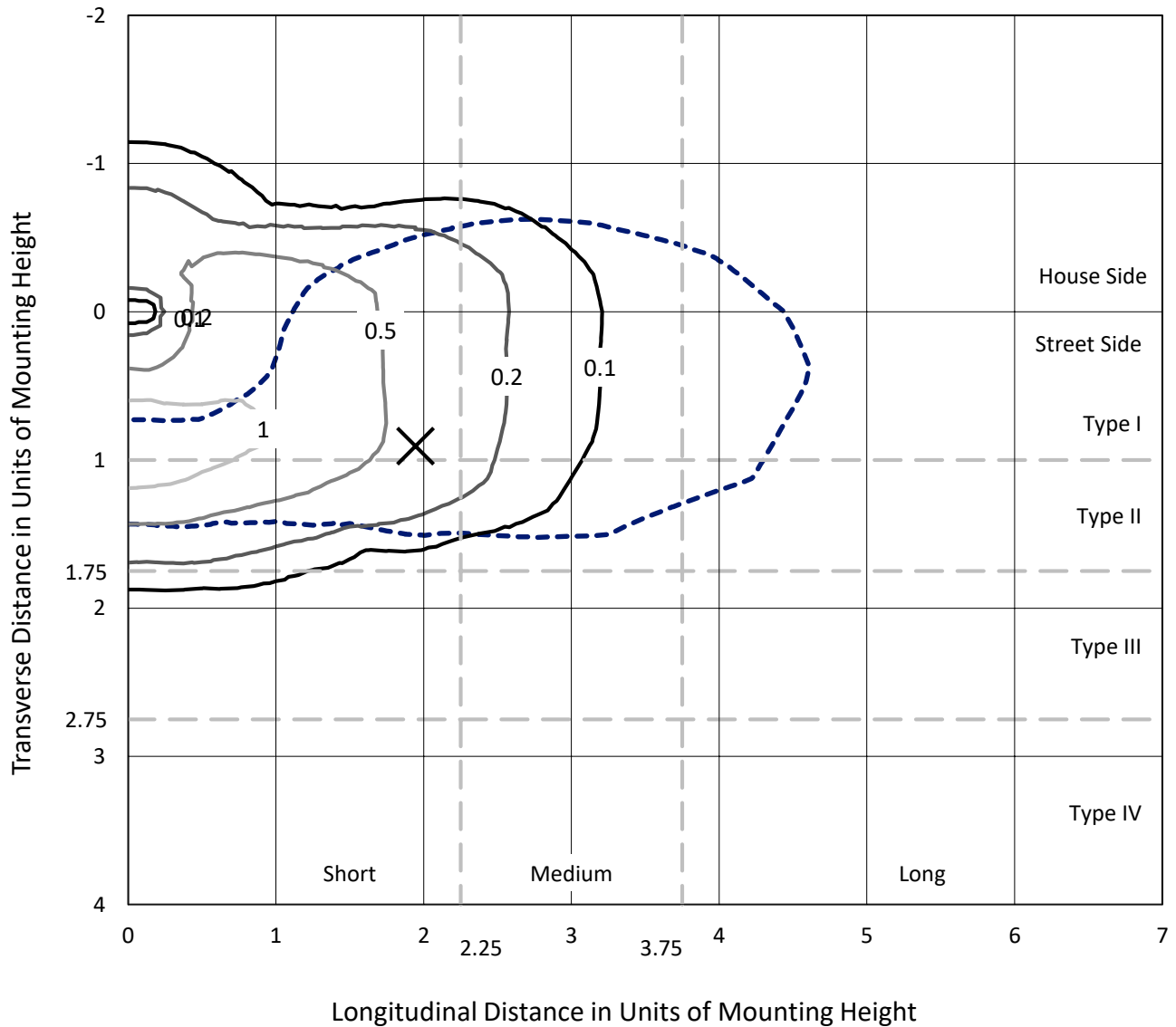
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415676
 CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

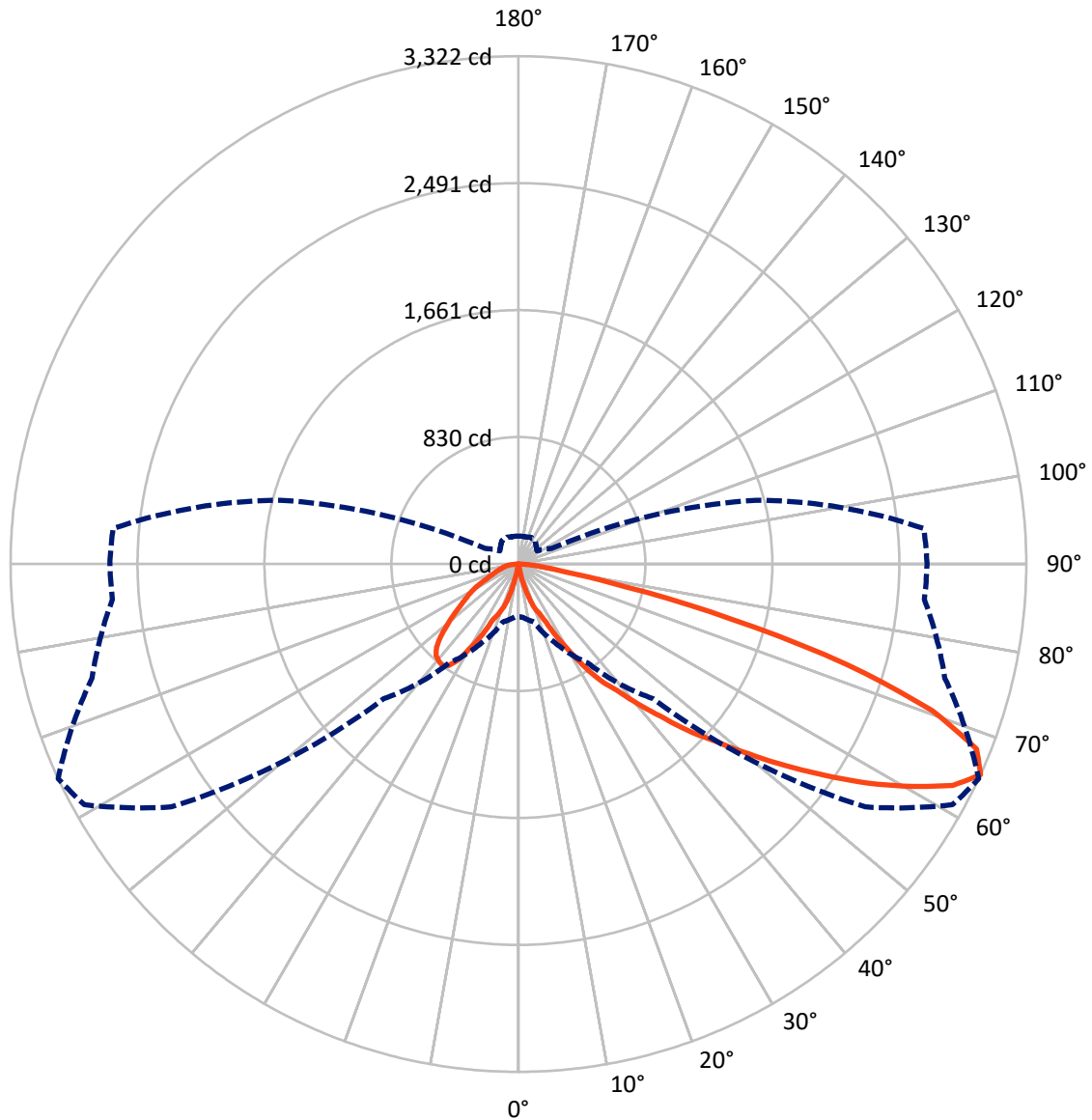
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P415676
CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T2U

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical



REPORT NUMBER: P415676

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1300.6	0.0	1300.6
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	3519.4	0.0	3519.4
	% Fixture	73.0	0.0	73.0
Total	Lumens	4820.0	0.0	4820.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.5	0.1
10°-20°	53.3	1.1
20°-30°	205.0	4.3
30°-40°	513.1	10.6
40°-50°	955.3	19.8
50°-60°	1250.9	26.0
60°-70°	1121.4	23.3
70°-80°	616.8	12.8
80°-90°	100.8	2.1
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°	4820.0	100.0
0°-180°	4820.0	100.0



REPORT NUMBER: P415676

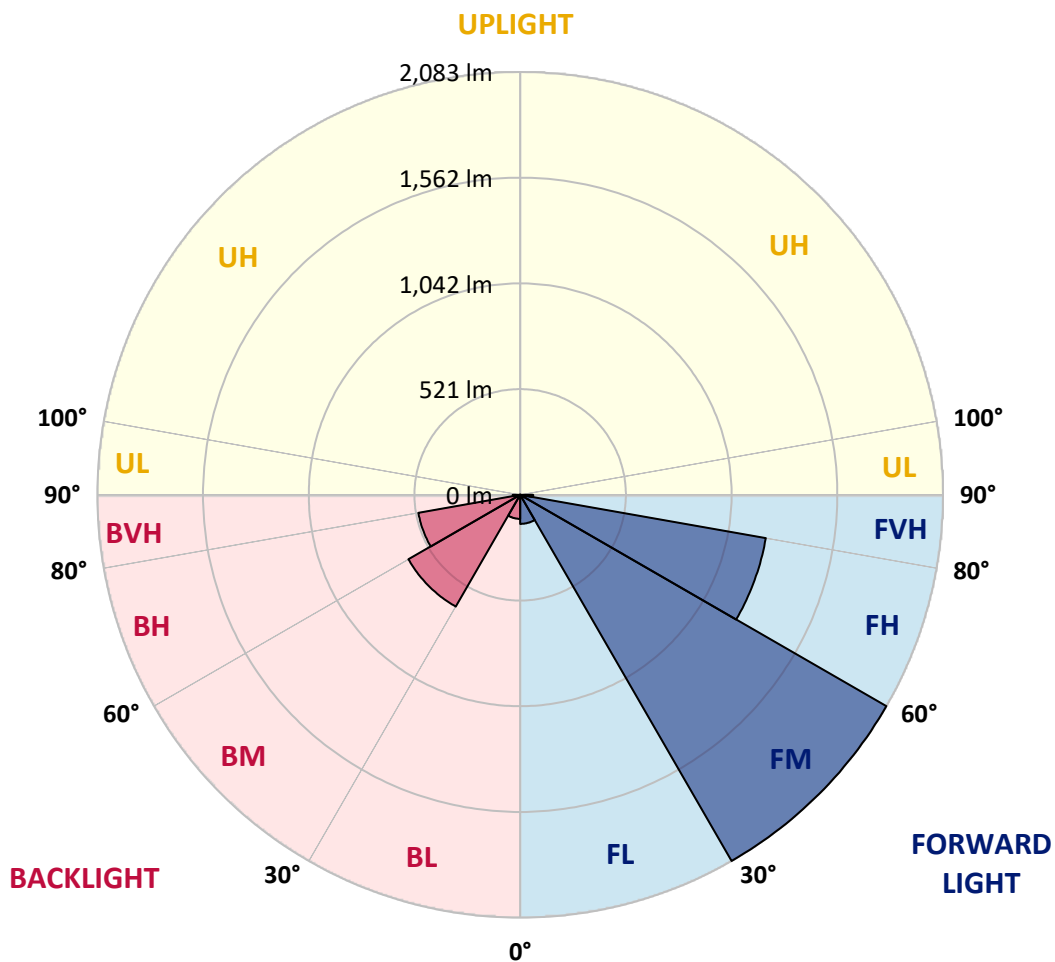
CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	143.3	3.0			
FM	(30°-60°)	2083.3	43.2			
FH	(60°-80°)	1228.9	25.5			G1/1800
FVH	(80°-90°)	63.9	1.3			G1/100
BL	(0°-30°)	118.5	2.5	B1/500		
BM	(30°-60°)	636.0	13.2	B1/1000		
BH	(60°-80°)	509.3	10.6	B2/1000		G2/1000
BVH	(80°-90°)	36.8	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





REPORT NUMBER: P415676

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	2.6	2.6	3.1	3.6	3.6	3.1	2.6	2.1	1.6	1.0	1.0
5°	23.9	21.3	16.6	11.4	6.7	5.2	4.2	3.1	2.6	1.6	1.0
7.5°	116.8	116.3	115.7	116.3	113.7	44.6	8.3	5.2	4.2	2.1	1.6
10°	117.3	116.8	116.3	117.3	117.3	115.7	110.0	16.1	8.3	5.2	5.2
12.5°	208.6	201.4	139.1	122.5	118.3	118.3	118.3	105.9	100.7	74.2	89.8
15°	219.0	217.5	216.9	218.0	193.1	127.7	178.5	168.2	170.2	145.3	172.3
17.5°	230.4	227.8	225.8	226.3	217.5	250.7	234.6	239.8	241.9	183.7	201.4
20°	357.1	357.1	330.1	250.2	274.5	314.5	259.5	284.9	315.5	274.5	281.8
22.5°	405.3	401.7	398.1	377.3	345.1	343.1	377.3	330.6	350.8	403.3	372.6
25°	551.2	552.2	462.9	435.4	482.1	420.4	450.5	447.9	424.0	488.9	472.3
27.5°	697.5	699.6	689.7	614.0	551.2	540.8	512.8	552.7	546.5	542.3	581.3
30°	834.0	833.5	788.9	757.2	723.5	663.3	632.1	640.4	665.4	642.5	725.0
32.5°	1160.5	1151.6	1103.9	903.1	851.2	794.6	785.8	762.4	812.2	796.1	872.4
35°	1377.9	1375.9	1289.2	1176.0	1012.0	949.2	950.3	906.7	947.7	968.4	980.4
37.5°	1863.7	1856.4	1724.6	1393.0	1263.8	1134.5	1110.6	1089.9	1047.3	1107.5	1107.0
40°	2125.3	2104.5	1988.3	1769.8	1483.8	1328.1	1278.3	1233.7	1203.0	1238.3	1233.7
42.5°	2328.7	2312.6	2230.6	2004.4	1770.8	1649.9	1464.1	1421.5	1359.8	1401.8	1380.0
45°	2474.6	2466.3	2393.1	2224.9	2045.9	1957.1	1673.8	1607.3	1553.9	1548.2	1535.2
47.5°	2502.6	2484.9	2463.1	2368.7	2292.4	2265.9	1933.3	1818.6	1730.3	1713.7	1691.9
50°	2370.2	2365.1	2393.6	2376.5	2469.4	2531.1	2232.7	2073.9	1950.4	1891.7	1849.7
52.5°	2063.5	2074.4	2183.9	2260.2	2491.7	2715.9	2514.0	2360.4	2191.7	2062.5	2005.9
55°	1639.5	1678.9	1841.4	2000.2	2352.1	2795.8	2780.8	2659.8	2442.4	2253.5	2169.9
57.5°	1259.1	1254.9	1464.1	1608.4	2068.7	2742.4	2954.1	2919.9	2706.0	2451.7	2326.7
60°	815.9	812.2	1059.3	1244.0	1594.4	2468.3	3043.9	3133.7	2953.6	2623.0	2467.8
62.5°	532.5	554.8	648.7	911.4	1138.7	1908.9	3013.8	3266.6	3189.2	2781.8	2603.3
65°	342.5	350.8	391.8	567.8	789.4	1245.1	2769.9	3246.8	3321.6	2887.7	2665.0
67.5°	255.3	257.4	277.1	352.9	537.2	650.8	2174.1	2972.8	3231.8	2895.0	2644.8
70°	224.2	228.4	247.6	266.2	399.6	409.5	1271.0	2390.0	2871.6	2790.6	2542.6
72.5°	191.5	195.7	221.1	248.1	305.7	307.2	475.4	1588.1	2248.3	2578.9	2378.6
75°	156.2	158.8	181.1	217.5	254.8	246.5	275.1	717.8	1439.2	2143.4	2121.7
77.5°	126.1	128.2	144.3	173.3	225.8	188.9	205.0	307.8	715.2	1547.6	1718.9
80°	91.3	92.4	108.0	132.9	169.7	168.7	153.1	195.1	295.3	904.1	1138.2
82.5°	58.1	58.1	74.2	87.2	112.6	166.6	107.4	131.3	165.0	450.0	547.5
85°	32.7	33.7	46.7	50.9	65.9	101.2	77.3	72.7	89.3	163.0	134.9
87.5°	6.2	7.8	13.5	14.5	17.1	23.9	28.0	25.4	26.5	37.9	22.3
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: P415676

CATALOG NUMBER: LXF.LXT-PA1-50-827-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	1.0	1.6	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.6	1.6
5°	1.0	1.6	2.1	2.1	2.6	3.6	4.2	4.2	4.7	5.2	4.7
7.5°	1.0	1.6	2.1	3.1	4.2	8.3	30.1	106.4	114.2	115.7	117.8
10°	4.7	4.7	5.2	5.7	23.4	111.6	119.9	120.9	122.0	122.5	123.0
12.5°	91.3	90.3	89.8	69.0	106.4	123.0	124.6	125.6	127.2	151.5	164.0
15°	174.4	174.9	166.1	159.3	185.3	134.9	143.8	222.1	229.9	232.5	234.1
17.5°	199.8	208.6	185.3	246.0	243.9	205.5	226.3	238.2	239.3	240.8	241.3
20°	283.9	281.8	269.9	308.3	264.2	337.9	280.3	241.3	303.6	334.2	334.8
22.5°	368.5	369.0	351.9	356.0	379.9	347.7	280.8	318.7	326.4	325.9	324.4
25°	474.9	470.7	462.4	396.0	448.4	378.3	373.7	308.8	309.8	334.8	350.8
27.5°	580.8	570.4	537.7	513.3	465.5	420.9	352.9	334.2	360.2	358.6	359.1
30°	727.1	711.0	620.7	617.6	494.1	416.8	359.1	332.7	323.9	325.9	324.9
32.5°	873.5	844.4	762.9	736.5	526.8	388.2	329.6	307.2	332.7	336.3	334.2
35°	963.8	939.9	911.9	806.5	530.4	357.6	298.4	303.6	302.1	300.5	301.5
37.5°	1069.1	1030.2	1005.8	830.4	500.3	319.2	284.4	280.3	305.2	305.7	303.6
40°	1186.9	1142.8	1088.3	819.5	431.8	289.1	264.2	277.7	279.2	273.0	271.4
42.5°	1319.8	1255.4	1174.5	805.0	358.1	271.4	256.4	257.9	259.0	252.2	249.6
45°	1453.7	1378.4	1248.2	764.5	304.6	253.8	244.4	243.9	238.7	232.5	231.0
47.5°	1603.7	1515.5	1308.9	693.9	266.8	240.3	236.7	226.8	228.4	222.6	222.1
50°	1758.4	1663.4	1343.7	609.3	241.9	228.9	222.6	219.5	223.7	216.9	215.9
52.5°	1909.9	1830.5	1398.7	533.5	220.6	219.0	216.4	217.5	219.0	211.7	211.2
55°	2074.4	2017.3	1449.0	461.4	201.9	205.5	214.3	213.8	213.3	206.6	206.6
57.5°	2225.4	2197.4	1500.4	405.9	187.4	193.6	209.7	209.7	207.1	201.4	200.9
60°	2400.9	2380.1	1549.2	356.0	174.9	182.7	204.0	204.5	199.8	195.7	194.6
62.5°	2560.2	2544.6	1588.1	303.6	161.4	173.3	195.7	199.3	192.5	189.4	189.4
65°	2672.3	2661.4	1609.4	238.7	148.4	164.0	186.8	192.0	183.2	182.7	182.7
67.5°	2682.2	2675.4	1565.3	199.3	139.1	155.2	175.9	181.1	173.3	174.9	171.8
70°	2590.3	2541.0	1440.2	166.1	129.7	143.8	163.0	169.2	161.4	161.9	156.7
72.5°	2396.2	2254.0	1219.1	141.2	119.4	131.3	149.0	154.7	147.4	145.8	140.1
75°	2069.8	1850.2	848.6	122.5	108.5	117.8	131.8	137.5	132.9	125.1	123.5
77.5°	1603.2	1356.1	520.0	105.9	98.6	103.8	114.2	117.3	112.6	103.3	101.7
80°	1010.5	813.3	250.7	91.9	85.6	88.2	95.0	97.6	93.9	84.6	79.4
82.5°	462.9	351.4	132.3	74.2	69.5	69.5	76.3	74.2	71.1	62.3	50.3
85°	108.0	111.1	61.2	45.7	44.1	39.4	45.7	45.2	40.5	31.1	25.9
87.5°	17.6	19.7	15.6	14.0	11.4	8.8	9.9	8.3	7.3	3.6	1.6
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)