

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: P415416

Luminaire Tested: **LXF.LXT-PA1-50-727-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415416
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-PA1-50-727-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 5484 lumens
Efficiency: N/A
Efficacy: 101.6 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

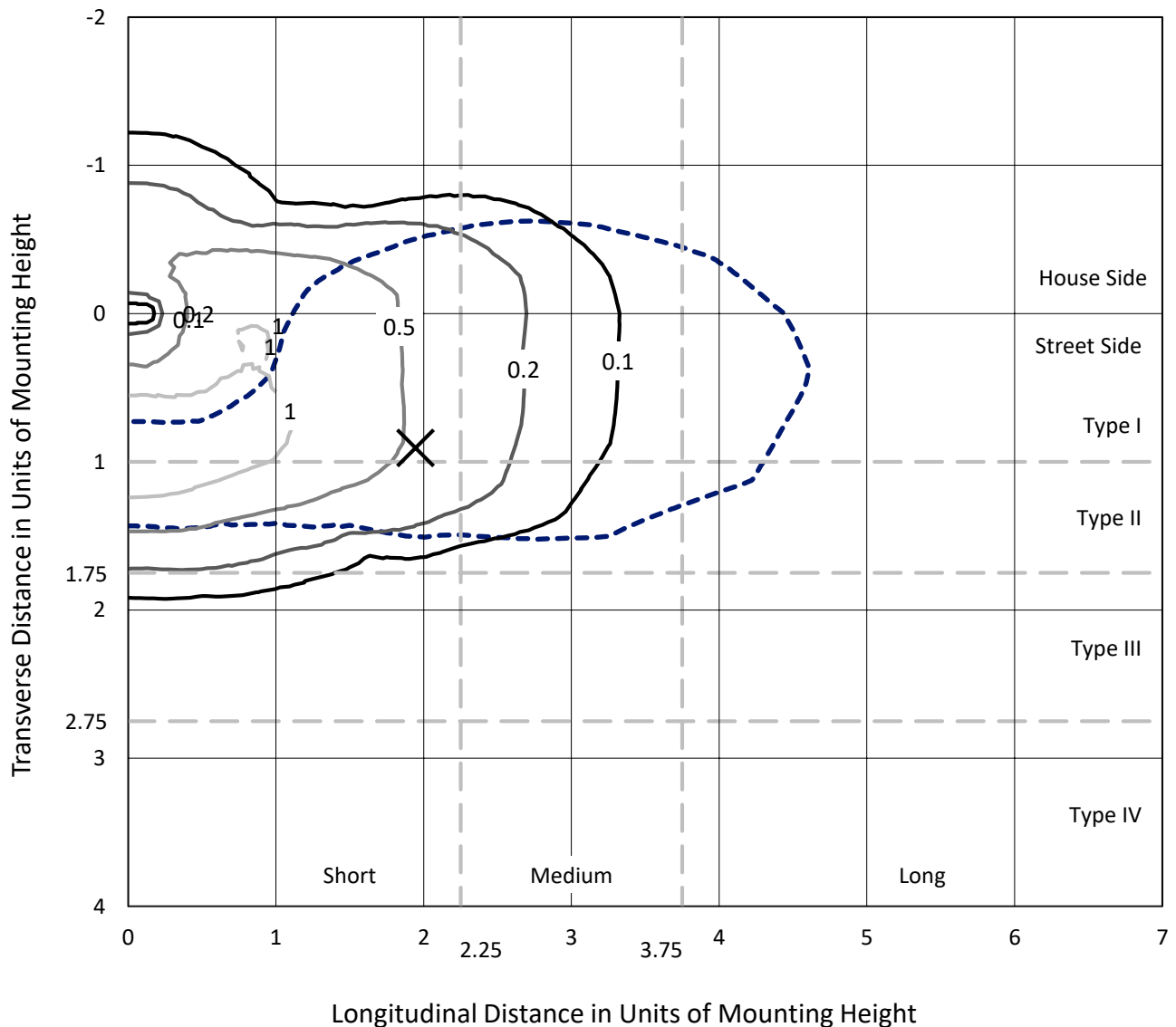
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P415416
 CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

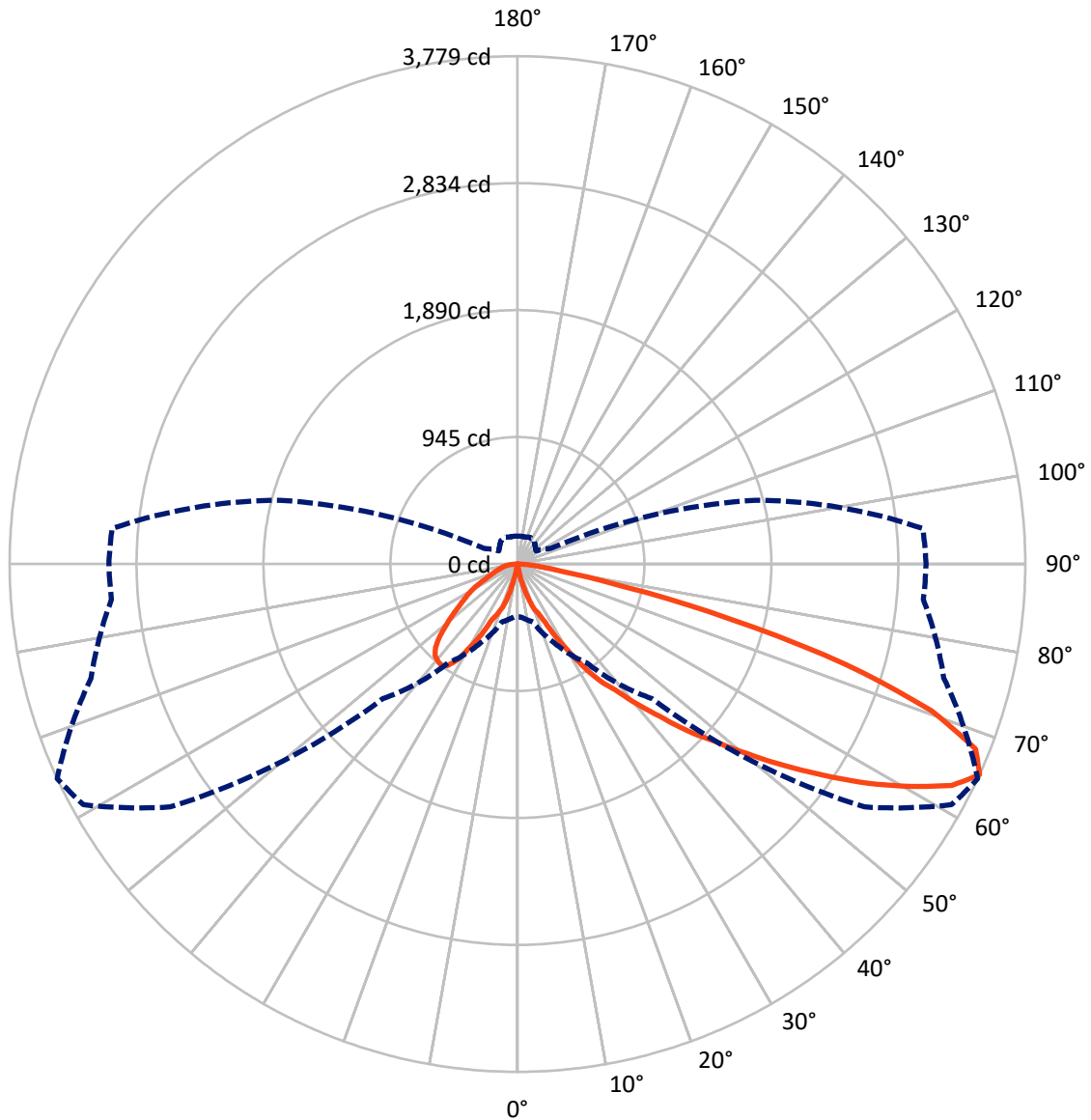
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P415416
CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2U

Luminous Intensity Polar Plot



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



REPORT NUMBER: P415416

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1479.7	0.0	1479.7
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	4004.3	0.0	4004.3
	% Fixture	73.0	0.0	73.0
Total	Lumens	5484.0	0.0	5484.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.1
10°-20°	60.6	1.1
20°-30°	233.2	4.3
30°-40°	583.7	10.6
40°-50°	1086.9	19.8
50°-60°	1423.2	26.0
60°-70°	1275.9	23.3
70°-80°	701.8	12.8
80°-90°	114.7	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°	5484.0	100.0
0°-180°	5484.0	100.0



REPORT NUMBER: P415416

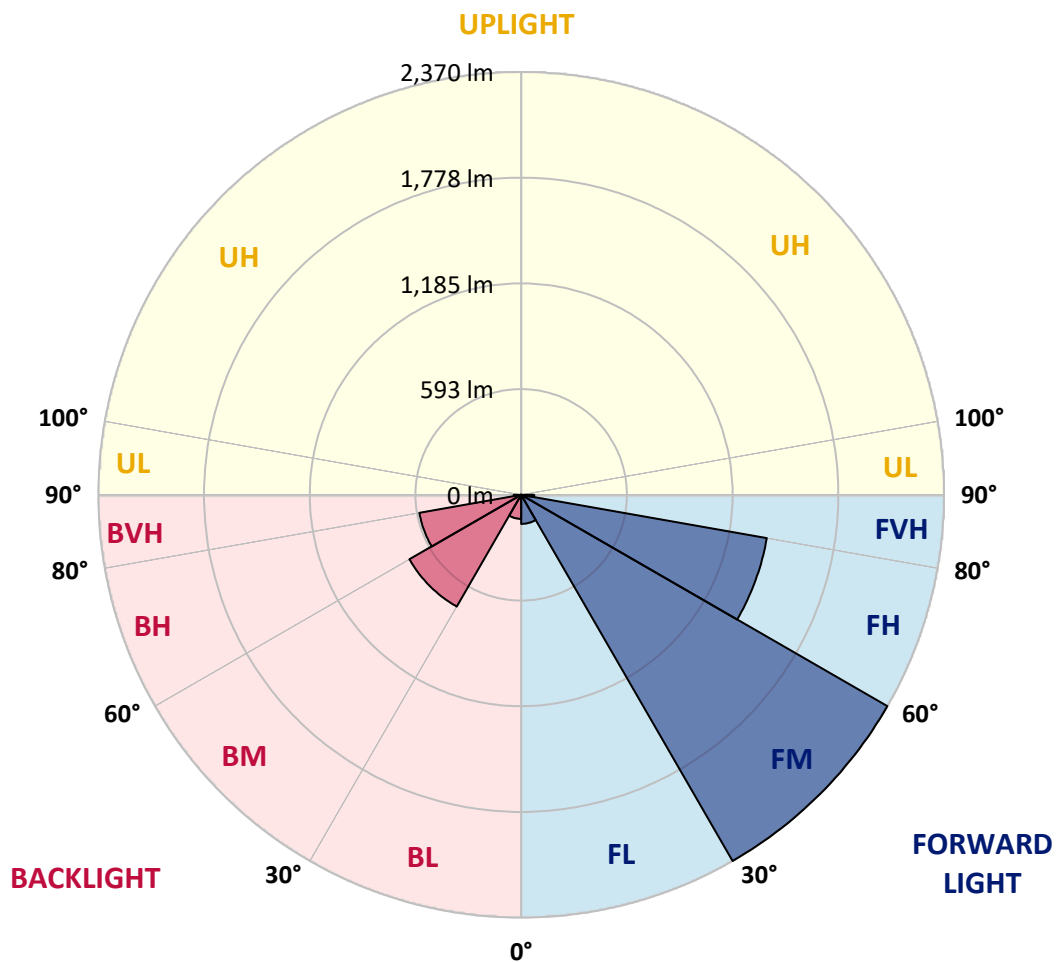
CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	163.0	3.0			
FM	(30°-60°)	2370.3	43.2			
FH	(60°-80°)	1398.2	25.5			G1/1800
FVH	(80°-90°)	72.8	1.3			G1/100
BL	(0°-30°)	134.8	2.5	B1/500		
BM	(30°-60°)	723.6	13.2	B1/1000		
BH	(60°-80°)	579.5	10.6	B2/1000		G2/1000
BVH	(80°-90°)	41.9	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: P415416

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	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	3.0	3.5	4.1	4.1	3.5	3.0	2.4	1.8	1.2	1.2
5°	27.2	24.2	18.9	13.0	7.7	5.9	4.7	3.5	3.0	1.8	1.2
7.5°	132.9	132.3	131.7	132.3	129.3	50.8	9.4	5.9	4.7	2.4	1.8
10°	133.5	132.9	132.3	133.5	133.5	131.7	125.2	18.3	9.4	5.9	5.9
12.5°	237.4	229.1	158.3	139.4	134.6	134.6	134.6	120.5	114.6	84.4	102.2
15°	249.2	247.4	246.8	248.0	219.7	145.3	203.1	191.3	193.7	165.3	196.0
17.5°	262.2	259.2	256.9	257.5	247.4	285.2	266.9	272.8	275.2	209.0	229.1
20°	406.3	406.3	375.6	284.6	312.4	357.8	295.2	324.2	359.0	312.4	320.6
22.5°	461.2	457.0	452.9	429.3	392.7	390.3	429.3	376.1	399.2	458.8	424.0
25°	627.1	628.3	526.7	495.4	548.6	478.3	512.5	509.6	482.4	556.2	537.3
27.5°	793.6	796.0	784.8	698.6	627.1	615.3	583.4	628.9	621.8	617.1	661.3
30°	948.9	948.3	897.5	861.5	823.1	754.6	719.2	728.7	757.0	731.0	824.9
32.5°	1320.3	1310.3	1256.0	1027.5	968.4	904.0	894.0	867.4	924.1	905.8	992.6
35°	1567.8	1565.4	1466.8	1338.1	1151.5	1080.0	1081.2	1031.6	1078.2	1101.9	1115.4
37.5°	2120.5	2112.2	1962.2	1584.9	1437.8	1290.8	1263.7	1240.0	1191.6	1260.1	1259.5
40°	2418.1	2394.4	2262.2	2013.6	1688.2	1511.1	1454.4	1403.6	1368.8	1408.9	1403.6
42.5°	2649.5	2631.2	2537.9	2280.5	2014.8	1877.2	1665.8	1617.4	1547.1	1594.9	1570.1
45°	2815.5	2806.0	2722.8	2531.4	2327.7	2226.7	1904.3	1828.8	1767.9	1761.4	1746.7
47.5°	2847.3	2827.3	2802.5	2695.0	2608.2	2578.1	2199.6	2069.1	1968.7	1949.8	1925.0
50°	2696.8	2690.9	2723.3	2703.9	2809.6	2879.8	2540.3	2359.6	2219.1	2152.3	2104.5
52.5°	2347.8	2360.2	2484.8	2571.6	2834.9	3090.0	2860.3	2685.6	2493.6	2346.6	2282.2
55°	1865.4	1910.2	2095.1	2275.8	2676.1	3181.0	3163.9	3026.3	2778.9	2563.9	2468.8
57.5°	1432.5	1427.8	1665.8	1829.9	2353.7	3120.2	3361.1	3322.1	3078.8	2789.5	2647.2
60°	928.3	924.1	1205.2	1415.4	1814.0	2808.4	3463.2	3565.4	3360.5	2984.3	2807.8
62.5°	605.8	631.2	738.1	1036.9	1295.5	2171.8	3429.0	3716.6	3628.6	3165.0	2961.9
65°	389.7	399.2	445.8	646.0	898.1	1416.6	3151.5	3694.1	3779.1	3285.5	3032.2
67.5°	290.5	292.9	315.3	401.5	611.2	740.5	2473.6	3382.3	3677.0	3293.8	3009.1
70°	255.1	259.8	281.7	302.9	454.7	465.9	1446.1	2719.2	3267.2	3175.1	2892.8
72.5°	217.9	222.6	251.5	282.3	347.8	349.6	540.9	1806.9	2558.0	2934.1	2706.2
75°	177.7	180.7	206.1	247.4	289.9	280.5	313.0	816.6	1637.4	2438.7	2413.9
77.5°	143.5	145.9	164.2	197.2	256.9	214.9	233.2	350.2	813.7	1760.8	1955.7
80°	103.9	105.1	122.8	151.2	193.1	191.9	174.2	222.0	336.0	1028.6	1294.9
82.5°	66.1	66.1	84.4	99.2	128.1	189.5	122.2	149.4	187.8	512.0	623.0
85°	37.2	38.4	53.1	57.9	75.0	115.1	88.0	82.7	101.6	185.4	153.5
87.5°	7.1	8.9	15.4	16.5	19.5	27.2	31.9	28.9	30.1	43.1	25.4
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: P415416

CATALOG NUMBER: LXF.LXT-PA1-50-727-U-T2U

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°	1.2	1.8	2.4	2.4	2.4	2.4	2.4	2.4	2.4	1.8	1.8
5°	1.2	1.8	2.4	2.4	3.0	4.1	4.7	4.7	5.3	5.9	5.3
7.5°	1.2	1.8	2.4	3.5	4.7	9.4	34.2	121.1	129.9	131.7	134.0
10°	5.3	5.3	5.9	6.5	26.6	127.0	136.4	137.6	138.8	139.4	139.9
12.5°	103.9	102.7	102.2	78.5	121.1	139.9	141.7	142.9	144.7	172.4	186.6
15°	198.4	199.0	189.0	181.3	210.8	153.5	163.6	252.7	261.6	264.5	266.3
17.5°	227.3	237.4	210.8	279.9	277.5	233.8	257.5	271.0	272.2	274.0	274.6
20°	323.0	320.6	307.1	350.8	300.6	384.4	318.9	274.6	345.4	380.3	380.9
22.5°	419.2	419.8	400.4	405.1	432.2	395.6	319.5	362.6	371.4	370.8	369.1
25°	540.3	535.6	526.1	450.5	510.2	430.5	425.2	351.3	352.5	380.9	399.2
27.5°	660.8	648.9	611.7	584.0	529.7	478.9	401.5	380.3	409.8	408.0	408.6
30°	827.3	809.0	706.2	702.7	562.1	474.2	408.6	378.5	368.5	370.8	369.6
32.5°	993.8	960.7	868.0	837.9	599.3	441.7	375.0	349.6	378.5	382.6	380.3
35°	1096.5	1069.4	1037.5	917.6	603.5	406.8	339.5	345.4	343.7	341.9	343.1
37.5°	1216.4	1172.1	1144.4	944.8	569.2	363.2	323.6	318.9	347.2	347.8	345.4
40°	1350.5	1300.3	1238.3	932.4	491.3	328.9	300.6	315.9	317.7	310.6	308.8
42.5°	1501.6	1428.4	1336.3	915.9	407.4	308.8	291.7	293.5	294.7	287.0	284.0
45°	1654.0	1568.3	1420.1	869.8	346.6	288.8	278.1	277.5	271.6	264.5	262.8
47.5°	1824.6	1724.2	1489.2	789.5	303.5	273.4	269.3	258.0	259.8	253.3	252.7
50°	2000.6	1892.5	1528.8	693.2	275.2	260.4	253.3	249.8	254.5	246.8	245.6
52.5°	2173.0	2082.7	1591.4	607.0	251.0	249.2	246.2	247.4	249.2	240.9	240.3
55°	2360.2	2295.2	1648.7	524.9	229.7	233.8	243.9	243.3	242.7	235.0	235.0
57.5°	2532.0	2500.1	1707.1	461.8	213.2	220.3	238.6	238.6	235.6	229.1	228.5
60°	2731.6	2708.0	1762.6	405.1	199.0	207.9	232.1	232.7	227.3	222.6	221.4
62.5°	2912.9	2895.2	1806.9	345.4	183.6	197.2	222.6	226.7	219.1	215.5	215.5
65°	3040.4	3028.0	1831.1	271.6	168.9	186.6	212.6	218.5	208.4	207.9	207.9
67.5°	3051.7	3044.0	1780.9	226.7	158.3	176.6	200.2	206.1	197.2	199.0	195.5
70°	2947.1	2891.0	1638.6	189.0	147.6	163.6	185.4	192.5	183.6	184.2	178.3
72.5°	2726.3	2564.5	1387.1	160.6	135.8	149.4	169.5	176.0	167.7	165.9	159.4
75°	2354.9	2105.1	965.5	139.4	123.4	134.0	150.0	156.5	151.2	142.3	140.5
77.5°	1824.0	1543.0	591.7	120.5	112.2	118.1	129.9	133.5	128.1	117.5	115.7
80°	1149.7	925.3	285.2	104.5	97.4	100.4	108.1	111.0	106.9	96.3	90.3
82.5°	526.7	399.8	150.6	84.4	79.1	79.1	86.8	84.4	80.9	70.9	57.3
85°	122.8	126.4	69.7	52.0	50.2	44.9	52.0	51.4	46.1	35.4	29.5
87.5°	20.1	22.4	17.7	15.9	13.0	10.0	11.2	9.4	8.3	4.1	1.8
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)