

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: P416664

Luminaire Tested: **LXF.LXT-PA1-80-727-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416664
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-PA1-80-727-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7767 lumens
Efficiency: N/A
Efficacy: 93.6 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

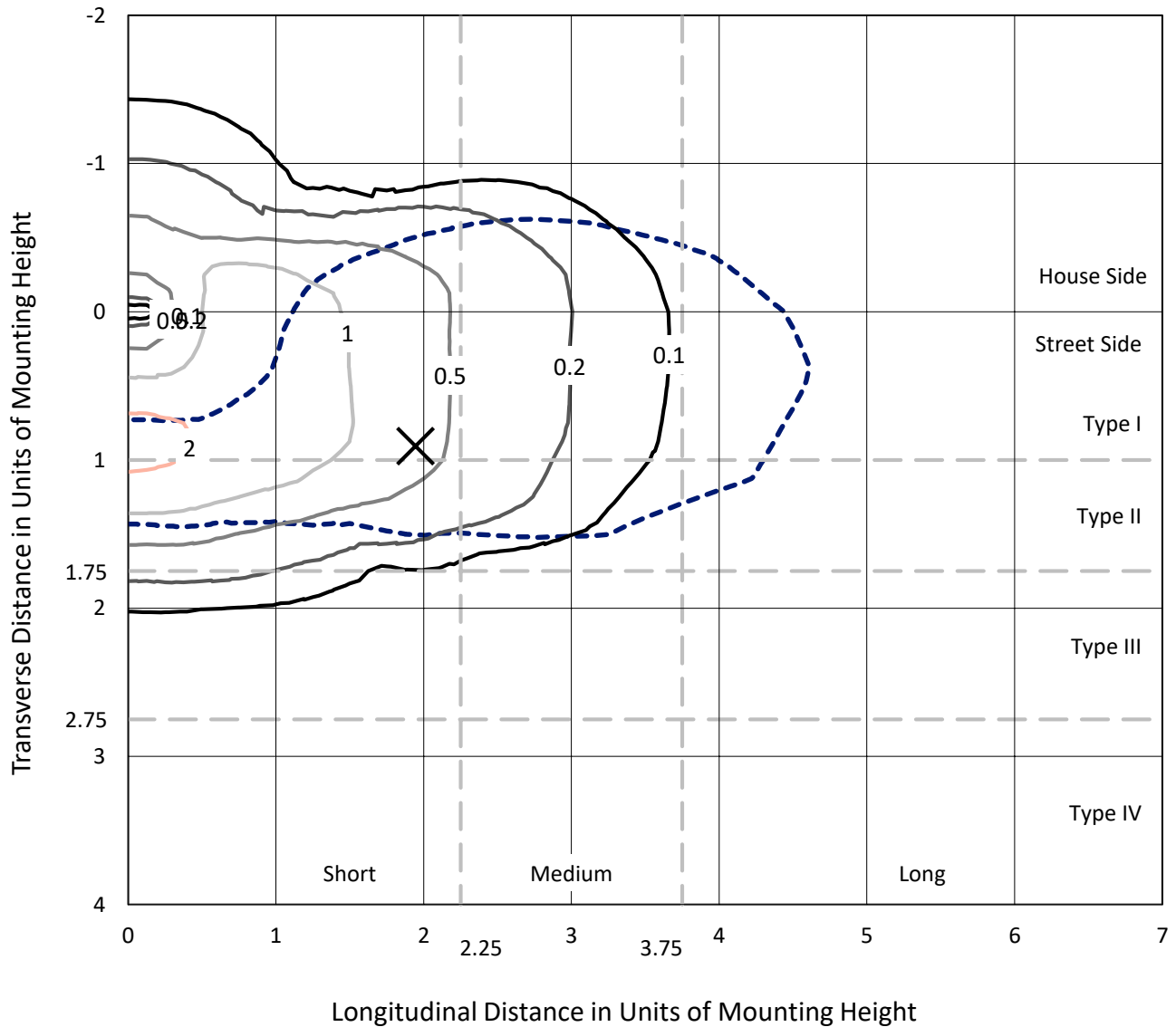
Input Watts (W): 83
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P416664
 CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

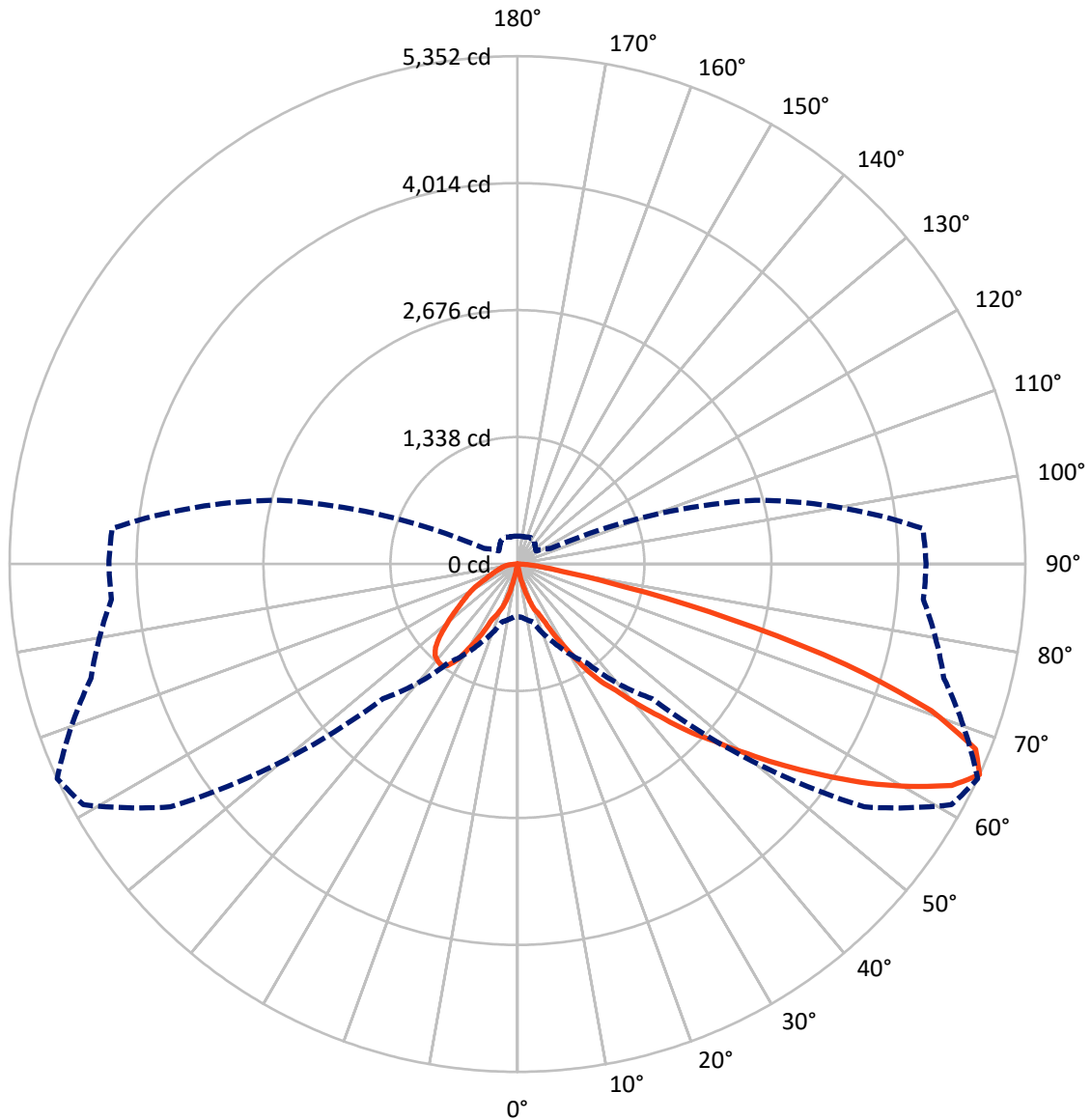


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P416664

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U

Luminous Intensity Polar Plot



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



REPORT NUMBER: P416664

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2095.8	0.0	2095.8
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	5671.2	0.0	5671.2
	% Fixture	73.0	0.0	73.0
Total	Lumens	7767.0	0.0	7767.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.7	0.1
10°-20°	85.8	1.1
20°-30°	330.3	4.3
30°-40°	826.8	10.6
40°-50°	1539.3	19.8
50°-60°	2015.7	26.0
60°-70°	1807.0	23.3
70°-80°	994.0	12.8
80°-90°	162.4	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°	7767.0	100.0
0°-180°	7767.0	100.0



REPORT NUMBER: P416664

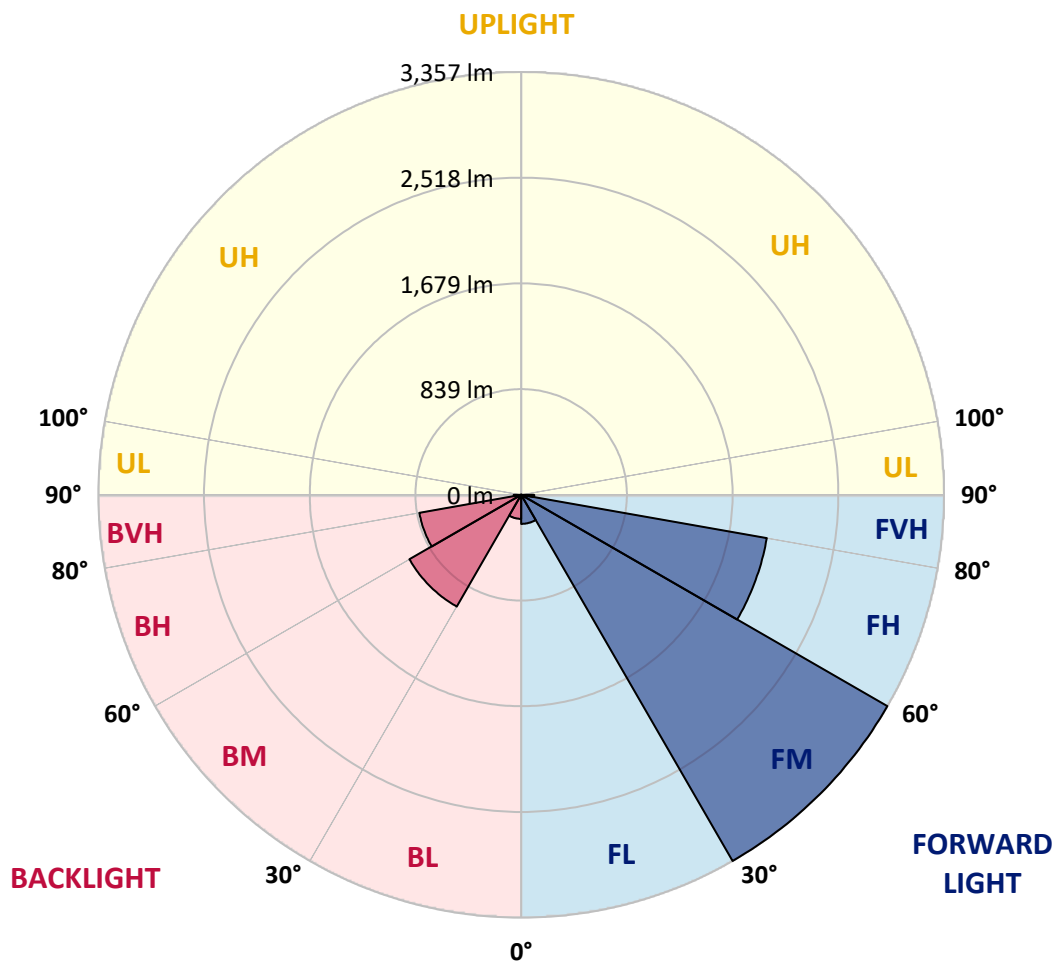
CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	230.9	3.0			
FM (30°-60°)	3357.0	43.2			
FH (60°-80°)	1980.3	25.5			G2/5000
FVH (80°-90°)	103.1	1.3			G2/225
BL (0°-30°)	190.9	2.5	B1/500		
BM (30°-60°)	1024.8	13.2	B2/2500		
BH (60°-80°)	820.7	10.6	B2/1000		G2/1000
BVH (80°-90°)	59.4	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: P416664

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	4.2	4.2	5.0	5.9	5.9	5.0	4.2	3.3	2.5	1.7	1.7
5°	38.5	34.3	26.8	18.4	10.9	8.4	6.7	5.0	4.2	2.5	1.7
7.5°	188.2	187.3	186.5	187.3	183.2	71.9	13.4	8.4	6.7	3.3	2.5
10°	189.0	188.2	187.3	189.0	189.0	186.5	177.3	25.9	13.4	8.4	8.4
12.5°	336.2	324.5	224.1	197.4	190.7	190.7	190.7	170.6	162.2	119.6	144.7
15°	352.9	350.4	349.6	351.3	311.1	205.7	287.7	271.0	274.3	234.2	277.7
17.5°	371.3	367.1	363.8	364.6	350.4	403.9	378.0	386.4	389.7	296.1	324.5
20°	575.4	575.4	531.9	403.1	442.4	506.8	418.2	459.1	508.5	442.4	454.1
22.5°	653.2	647.3	641.5	608.0	556.1	552.8	608.0	532.7	565.3	649.8	600.5
25°	888.2	889.8	746.0	701.7	776.9	677.4	725.9	721.7	683.3	787.8	761.0
27.5°	1124.0	1127.4	1111.5	989.4	888.2	871.4	826.3	890.7	880.6	873.9	936.7
30°	1344.0	1343.1	1271.2	1220.2	1165.8	1068.8	1018.6	1032.0	1072.2	1035.4	1168.3
32.5°	1870.0	1855.8	1778.8	1455.2	1371.6	1280.4	1266.2	1228.5	1308.8	1282.9	1405.8
35°	2220.4	2217.1	2077.4	1895.1	1630.8	1529.6	1531.3	1461.0	1527.1	1560.6	1579.8
37.5°	3003.2	2991.5	2779.1	2244.7	2036.4	1828.2	1789.7	1756.3	1687.7	1784.7	1783.9
40°	3424.7	3391.3	3203.9	2851.8	2391.0	2140.1	2059.8	1987.9	1938.6	1995.4	1987.9
42.5°	3752.5	3726.6	3594.5	3229.8	2853.5	2658.6	2359.2	2290.7	2191.1	2258.9	2223.8
45°	3987.5	3974.2	3856.2	3585.3	3296.7	3153.7	2697.1	2590.1	2503.9	2494.7	2473.8
47.5°	4032.7	4004.3	3969.1	3816.9	3694.0	3651.3	3115.3	2930.4	2788.3	2761.5	2726.4
50°	3819.4	3811.1	3857.1	3829.5	3979.2	4078.7	3597.8	3341.9	3142.9	3048.4	2980.6
52.5°	3325.2	3342.7	3519.2	3642.1	4015.1	4376.4	4051.1	3803.6	3531.8	3323.5	3232.4
55°	2641.9	2705.5	2967.2	3223.2	3790.2	4505.2	4481.0	4286.1	3935.7	3631.3	3496.6
57.5°	2028.9	2022.2	2359.2	2591.7	3333.5	4419.1	4760.3	4705.1	4360.5	3950.7	3749.2
60°	1314.7	1308.8	1706.9	2004.6	2569.2	3977.5	4905.0	5049.7	4759.5	4226.7	3976.7
62.5°	858.1	894.0	1045.4	1468.6	1834.9	3076.0	4856.5	5263.8	5139.1	4482.6	4194.9
65°	552.0	565.3	631.4	914.9	1272.0	2006.3	4463.4	5232.0	5352.4	4653.2	4294.5
67.5°	411.5	414.8	446.6	568.7	865.6	1048.7	3503.3	4790.4	5207.7	4665.0	4261.9
70°	361.3	368.0	398.9	429.0	644.0	659.9	2048.1	3851.2	4627.3	4496.9	4097.1
72.5°	308.6	315.3	356.3	399.8	492.6	495.1	766.1	2559.1	3622.9	4155.6	3832.8
75°	251.7	255.9	291.9	350.4	410.6	397.2	443.2	1156.6	2319.1	3454.0	3418.8
77.5°	203.2	206.6	232.5	279.3	363.8	304.4	330.3	495.9	1152.4	2493.9	2769.9
80°	147.2	148.9	174.0	214.1	273.5	271.8	246.7	314.5	475.9	1456.9	1834.0
82.5°	93.7	93.7	119.6	140.5	181.5	268.5	173.1	211.6	265.9	725.1	882.3
85°	52.7	54.4	75.3	82.0	106.2	163.1	124.6	117.1	143.8	262.6	217.4
87.5°	10.0	12.5	21.7	23.4	27.6	38.5	45.2	41.0	42.7	61.1	36.0
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: P416664

CATALOG NUMBER: LXF.LXT-PA1-80-727-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	1.7	2.5	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.5	2.5
5°	1.7	2.5	3.3	3.3	4.2	5.9	6.7	6.7	7.5	8.4	7.5
7.5°	1.7	2.5	3.3	5.0	6.7	13.4	48.5	171.4	184.0	186.5	189.8
10°	7.5	7.5	8.4	9.2	37.6	179.8	193.2	194.9	196.5	197.4	198.2
12.5°	147.2	145.5	144.7	111.2	171.4	198.2	200.7	202.4	204.9	244.2	264.3
15°	281.0	281.8	267.6	256.7	298.6	217.4	231.7	357.9	370.5	374.7	377.2
17.5°	322.0	336.2	298.6	396.4	393.1	331.2	364.6	383.9	385.5	388.0	388.9
20°	457.5	454.1	434.9	496.8	425.7	544.4	451.6	388.9	489.2	538.6	539.4
22.5°	593.8	594.6	567.0	573.7	612.2	560.3	452.4	513.5	526.0	525.2	522.7
25°	765.2	758.5	745.2	638.1	722.6	609.7	602.1	497.6	499.3	539.4	565.3
27.5°	935.8	919.1	866.4	827.1	750.2	678.3	568.7	538.6	580.4	577.9	578.7
30°	1171.7	1145.7	1000.2	995.2	796.2	671.6	578.7	536.1	521.9	525.2	523.5
32.5°	1407.5	1360.7	1229.4	1186.7	848.9	625.6	531.1	495.1	536.1	541.9	538.6
35°	1553.0	1514.6	1469.4	1299.6	854.7	576.2	480.9	489.2	486.7	484.2	485.9
37.5°	1722.8	1660.1	1620.8	1338.1	806.2	514.3	458.3	451.6	491.8	492.6	489.2
40°	1912.6	1841.6	1753.7	1320.5	695.8	465.8	425.7	447.4	449.9	439.9	437.4
42.5°	2126.7	2023.0	1892.6	1297.1	577.1	437.4	413.1	415.6	417.3	406.4	402.3
45°	2342.5	2221.2	2011.3	1231.9	490.9	409.0	393.9	393.1	384.7	374.7	372.2
47.5°	2584.2	2442.0	2109.2	1118.2	429.9	387.2	381.4	365.5	368.0	358.8	357.9
50°	2833.4	2680.4	2165.2	981.8	389.7	368.8	358.8	353.8	360.5	349.6	347.9
52.5°	3077.6	2949.7	2253.9	859.7	355.4	352.9	348.7	350.4	352.9	341.2	340.4
55°	3342.7	3250.8	2335.0	743.5	325.3	331.2	345.4	344.6	343.7	332.9	332.9
57.5°	3586.1	3541.0	2417.8	654.0	301.9	311.9	337.9	337.9	333.7	324.5	323.7
60°	3868.8	3835.3	2496.4	573.7	281.8	294.4	328.7	329.5	322.0	315.3	313.6
62.5°	4125.5	4100.4	2559.1	489.2	260.1	279.3	315.3	321.1	310.3	305.3	305.3
65°	4306.2	4288.6	2593.4	384.7	239.2	264.3	301.1	309.4	295.2	294.4	294.4
67.5°	4322.1	4311.2	2522.3	321.1	224.1	250.1	283.5	291.9	279.3	281.8	276.8
70°	4174.0	4094.6	2320.8	267.6	209.1	231.7	262.6	272.6	260.1	260.9	252.6
72.5°	3861.3	3632.1	1964.5	227.5	192.4	211.6	240.0	249.2	237.5	235.0	225.8
75°	3335.2	2981.5	1367.4	197.4	174.8	189.8	212.4	221.6	214.1	201.6	199.0
77.5°	2583.4	2185.3	838.0	170.6	158.9	167.3	184.0	189.0	181.5	166.4	163.9
80°	1628.3	1310.5	403.9	148.0	138.0	142.2	153.0	157.2	151.4	136.3	128.0
82.5°	746.0	566.2	213.3	119.6	112.1	112.1	122.9	119.6	114.6	100.4	81.1
85°	174.0	179.0	98.7	73.6	71.1	63.6	73.6	72.8	65.2	50.2	41.8
87.5°	28.4	31.8	25.1	22.6	18.4	14.2	15.9	13.4	11.7	5.9	2.5
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)