

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: P417392

Luminaire Tested: **LXF.LXT-PA1-90-830-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417392
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-PA1-90-830-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7957 lumens
Efficiency: N/A
Efficacy: 84.6 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

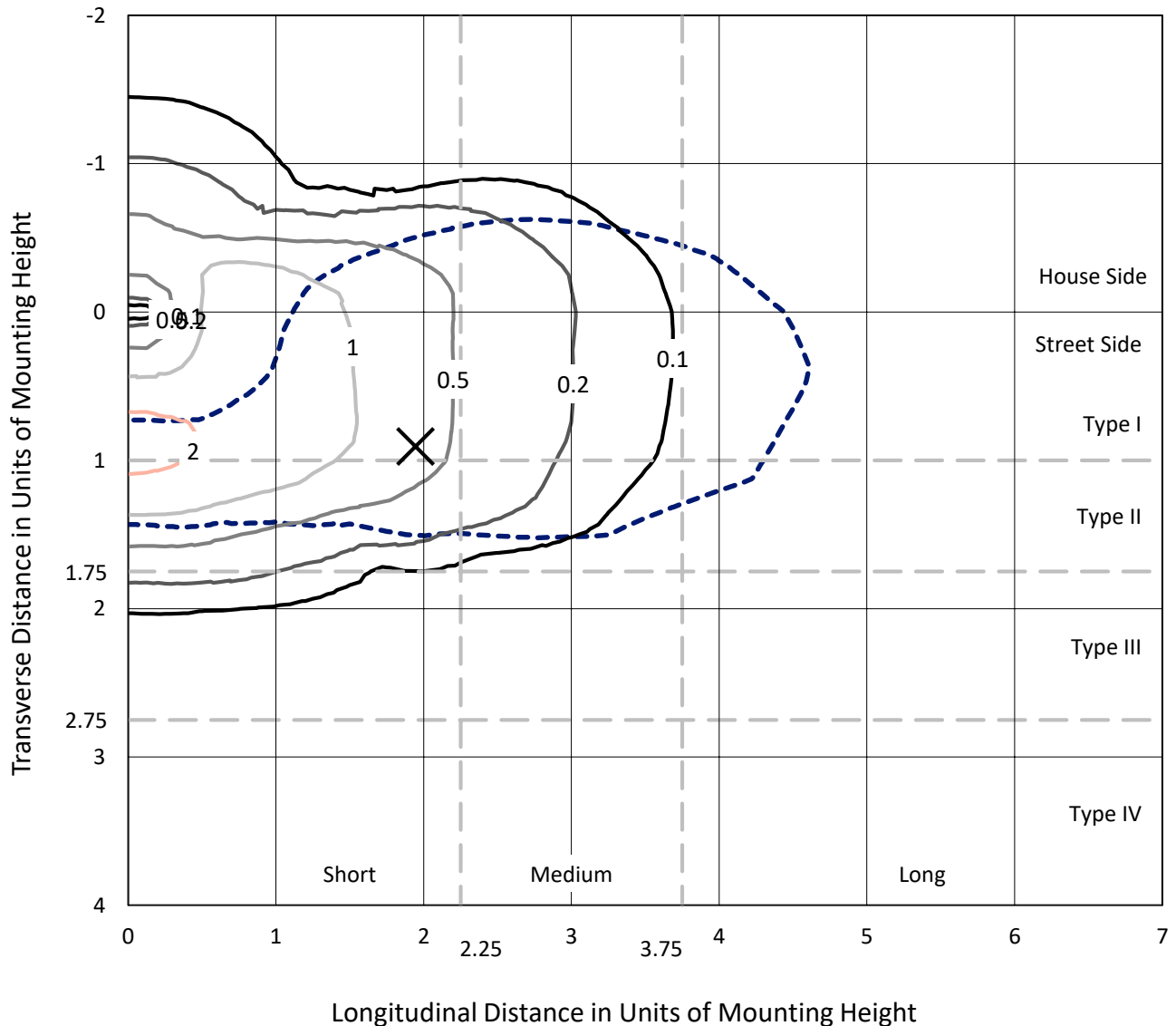
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

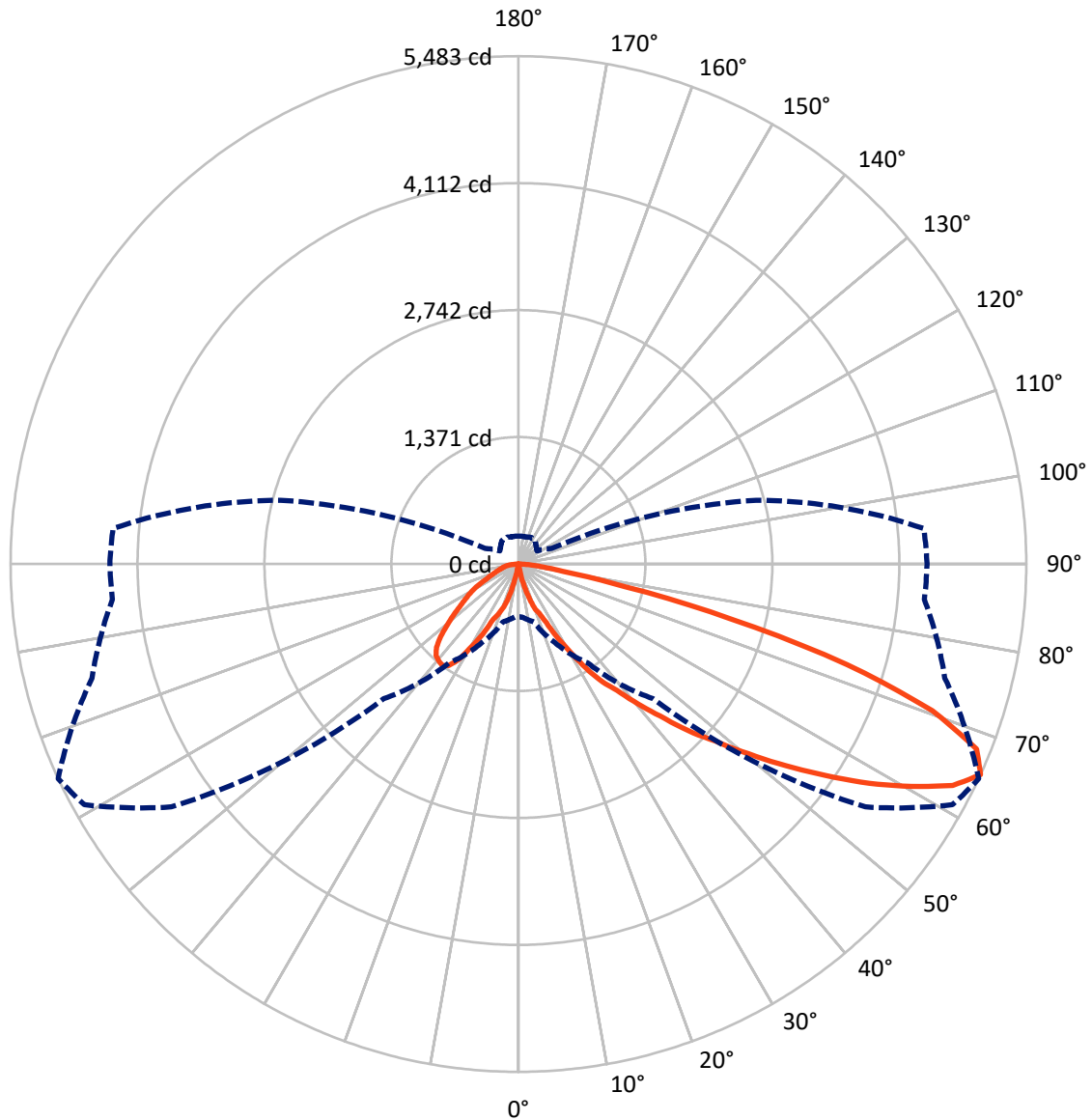


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P417392

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T2U

Luminous Intensity Polar Plot



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2147.0	0.0	2147.0
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	5810.0	0.0	5810.0
	% Fixture	73.0	0.0	73.0
Total	Lumens	7957.0	0.0	7957.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.8	0.1
10°-20°	87.9	1.1
20°-30°	338.4	4.3
30°-40°	847.0	10.6
40°-50°	1577.0	19.8
50°-60°	2065.0	26.0
60°-70°	1851.2	23.3
70°-80°	1018.3	12.8
80°-90°	166.4	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°	7957.0	100.0
0°-180°	7957.0	100.0

Coefficient of Utilization



REPORT NUMBER: P417392

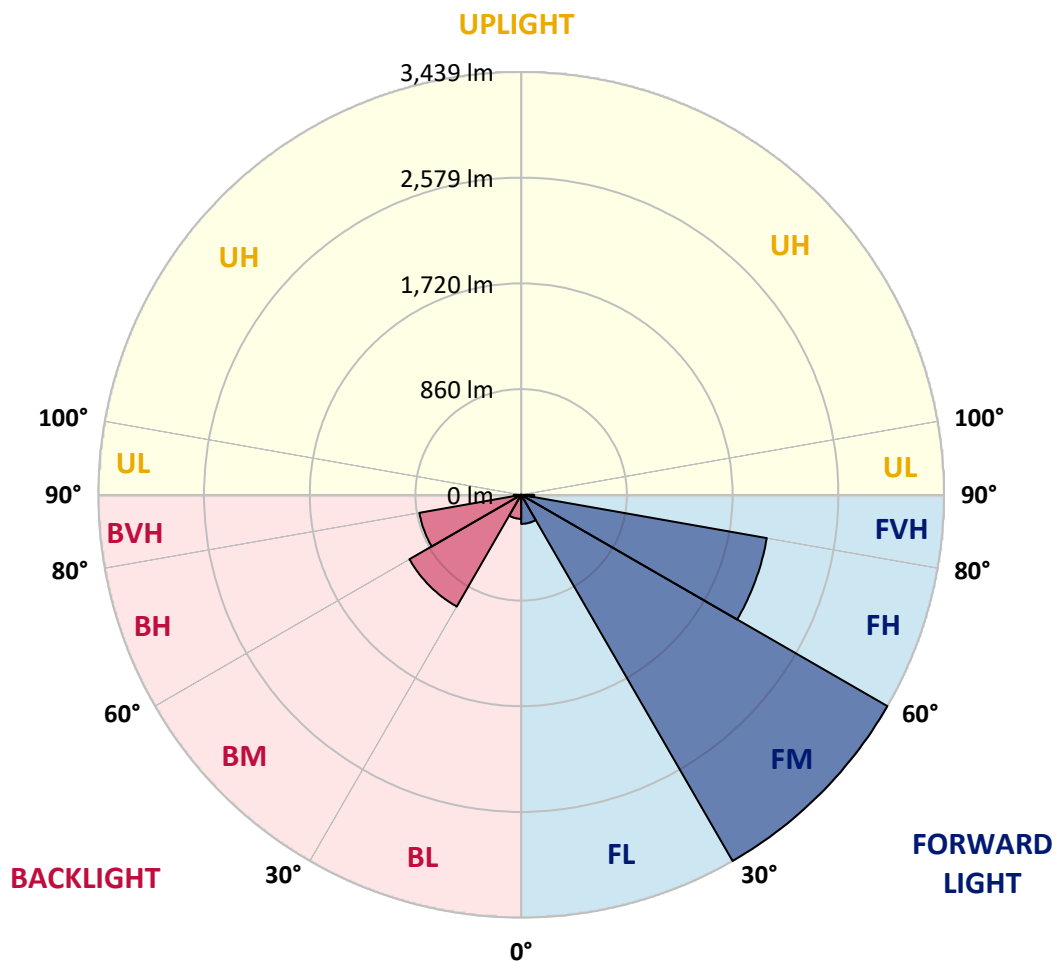
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	236.6	3.0			
FM	(30°-60°)	3439.1	43.2			
FH	(60°-80°)	2028.7	25.5			G2/5000
FVH	(80°-90°)	105.6	1.3			G2/225
BL	(0°-30°)	195.6	2.5	B1/500		
BM	(30°-60°)	1049.8	13.2	B2/2500		
BH	(60°-80°)	840.8	10.6	B2/1000		G2/1000
BVH	(80°-90°)	60.8	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: P417392

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	4.3	4.3	5.1	6.0	6.0	5.1	4.3	3.4	2.6	1.7	1.7
5°	39.4	35.1	27.4	18.8	11.1	8.6	6.9	5.1	4.3	2.6	1.7
7.5°	192.8	191.9	191.1	191.9	187.6	73.7	13.7	8.6	6.9	3.4	2.6
10°	193.6	192.8	191.9	193.6	193.6	191.1	181.6	26.6	13.7	8.6	8.6
12.5°	344.4	332.4	229.6	202.2	195.3	195.3	195.3	174.8	166.2	122.5	148.2
15°	361.6	359.0	358.1	359.8	318.7	210.8	294.7	277.6	281.0	239.9	284.4
17.5°	380.4	376.1	372.7	373.6	359.0	413.8	387.3	395.8	399.3	303.3	332.4
20°	589.5	589.5	544.9	413.0	453.2	519.2	428.4	470.4	520.9	453.2	465.2
22.5°	669.1	663.1	657.1	622.9	569.8	566.3	622.9	545.8	579.2	665.7	615.2
25°	909.9	911.6	764.2	718.8	795.9	694.0	743.7	739.4	700.0	807.1	779.7
27.5°	1151.5	1154.9	1138.6	1013.6	909.9	892.8	846.5	912.5	902.2	895.3	959.6
30°	1376.8	1376.0	1302.3	1250.0	1194.3	1095.0	1043.5	1057.3	1098.4	1060.7	1196.9
32.5°	1915.7	1901.2	1822.4	1490.8	1405.1	1311.7	1297.2	1258.6	1340.8	1314.3	1440.2
35°	2274.7	2271.3	2128.2	1941.4	1670.7	1567.0	1568.7	1496.8	1564.5	1598.7	1618.4
37.5°	3076.7	3064.7	2847.1	2299.6	2086.2	1872.9	1833.5	1799.2	1729.0	1828.4	1827.5
40°	3508.5	3474.2	3282.3	2921.6	2449.5	2192.5	2110.2	2036.5	1986.0	2044.3	2036.5
42.5°	3844.3	3817.8	3682.4	3308.9	2923.3	2723.7	2417.0	2346.7	2244.7	2314.1	2278.2
45°	4085.1	4071.4	3950.6	3673.0	3377.4	3230.9	2763.1	2653.4	2565.2	2555.8	2534.3
47.5°	4131.4	4102.2	4066.2	3910.3	3784.4	3740.7	3191.5	3002.1	2856.5	2829.1	2793.1
50°	3912.9	3904.3	3951.4	3923.2	4076.5	4178.5	3685.8	3423.7	3219.7	3122.9	3053.5
52.5°	3406.5	3424.5	3605.3	3731.2	4113.4	4483.5	4150.2	3896.6	3618.1	3404.8	3311.4
55°	2706.5	2771.7	3039.8	3302.0	3882.9	4615.4	4590.6	4391.0	4032.0	3720.1	3582.2
57.5°	2078.5	2071.7	2417.0	2655.1	3415.1	4527.2	4876.7	4820.2	4467.2	4047.4	3840.9
60°	1346.8	1340.8	1748.7	2053.7	2632.0	4074.8	5025.0	5173.2	4875.9	4330.1	4074.0
62.5°	879.0	915.9	1071.0	1504.5	1879.8	3151.2	4975.3	5392.5	5264.9	4592.3	4297.6
65°	565.5	579.2	646.9	937.3	1303.1	2055.4	4572.6	5360.0	5483.3	4767.1	4399.5
67.5°	421.5	425.0	457.5	582.6	886.8	1074.4	3589.0	4907.6	5335.1	4779.1	4366.1
70°	370.1	377.0	408.7	439.5	659.7	676.0	2098.2	3945.4	4740.5	4606.9	4197.3
72.5°	316.1	323.0	365.0	409.5	504.6	507.2	784.8	2621.7	3711.5	4257.3	3926.6
75°	257.9	262.2	299.0	359.0	420.7	407.0	454.1	1184.9	2375.8	3538.5	3502.5
77.5°	208.2	211.6	238.2	286.2	372.7	311.9	338.4	508.1	1180.6	2554.9	2837.6
80°	150.8	152.5	178.2	219.3	280.2	278.5	252.7	322.1	487.5	1492.5	1878.9
82.5°	96.0	96.0	122.5	143.9	185.9	275.0	177.4	216.8	272.5	742.8	903.9
85°	54.0	55.7	77.1	84.0	108.8	167.1	127.7	119.9	147.4	269.0	222.8
87.5°	10.3	12.9	22.3	24.0	28.3	39.4	46.3	42.0	43.7	62.5	36.8
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: P417392

CATALOG NUMBER: LXF.LXT-PA1-90-830-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	1.7	2.6	3.4	3.4	3.4	3.4	3.4	3.4	3.4	2.6	2.6
5°	1.7	2.6	3.4	3.4	4.3	6.0	6.9	6.9	7.7	8.6	7.7
7.5°	1.7	2.6	3.4	5.1	6.9	13.7	49.7	175.6	188.5	191.1	194.5
10°	7.7	7.7	8.6	9.4	38.6	184.2	197.9	199.6	201.3	202.2	203.1
12.5°	150.8	149.1	148.2	114.0	175.6	203.1	205.6	207.3	209.9	250.2	270.7
15°	287.9	288.7	274.2	263.0	305.9	222.8	237.3	366.7	379.5	383.8	386.4
17.5°	329.9	344.4	305.9	406.1	402.7	339.3	373.6	393.3	395.0	397.5	398.4
20°	468.7	465.2	445.5	508.9	436.1	557.8	462.7	398.4	501.2	551.8	552.6
22.5°	608.3	609.2	580.9	587.7	627.2	574.0	463.5	526.1	538.9	538.1	535.5
25°	783.9	777.1	763.4	653.7	740.3	624.6	616.9	509.8	511.5	552.6	579.2
27.5°	958.7	941.6	887.6	847.3	768.5	694.8	582.6	551.8	594.6	592.0	592.9
30°	1200.3	1173.8	1024.7	1019.6	815.6	688.0	592.9	549.2	534.6	538.1	536.3
32.5°	1441.9	1394.0	1259.5	1215.8	869.6	640.9	544.1	507.2	549.2	555.2	551.8
35°	1591.0	1551.6	1505.3	1331.4	875.6	590.3	492.6	501.2	498.6	496.1	497.8
37.5°	1765.0	1700.7	1660.4	1370.8	825.9	526.9	469.5	462.7	503.8	504.6	501.2
40°	1959.4	1886.6	1796.7	1352.8	712.8	477.2	436.1	458.4	460.9	450.7	448.1
42.5°	2178.8	2072.5	1938.9	1328.9	591.2	448.1	423.2	425.8	427.5	416.4	412.1
45°	2399.8	2275.6	2060.5	1262.0	502.9	419.0	403.5	402.7	394.1	383.8	381.3
47.5°	2647.4	2501.8	2160.8	1145.5	440.4	396.7	390.7	374.4	377.0	367.6	366.7
50°	2902.7	2746.0	2218.2	1005.9	399.3	377.8	367.6	362.4	369.3	358.1	356.4
52.5°	3152.9	3021.8	2309.0	880.8	364.1	361.6	357.3	359.0	361.6	349.6	348.7
55°	3424.5	3330.3	2392.1	761.7	333.3	339.3	353.8	353.0	352.1	341.0	341.0
57.5°	3673.8	3627.6	2476.9	670.0	309.3	319.6	346.1	346.1	341.9	332.4	331.6
60°	3963.4	3929.2	2557.5	587.7	288.7	301.6	336.7	337.6	329.9	323.0	321.3
62.5°	4226.5	4200.8	2621.7	501.2	266.5	286.2	323.0	329.0	317.9	312.7	312.7
65°	4411.5	4393.5	2656.8	394.1	245.0	270.7	308.4	317.0	302.4	301.6	301.6
67.5°	4427.8	4416.7	2584.0	329.0	229.6	256.2	290.4	299.0	286.2	288.7	283.6
70°	4276.1	4194.8	2377.5	274.2	214.2	237.3	269.0	279.3	266.5	267.3	258.7
72.5°	3955.7	3721.0	2012.6	233.0	197.1	216.8	245.9	255.3	243.3	240.8	231.3
75°	3416.8	3054.4	1400.8	202.2	179.1	194.5	217.6	227.0	219.3	206.5	203.9
77.5°	2646.6	2238.7	858.5	174.8	162.8	171.4	188.5	193.6	185.9	170.5	167.9
80°	1668.1	1342.6	413.8	151.6	141.4	145.7	156.8	161.1	155.1	139.7	131.1
82.5°	764.2	580.0	218.5	122.5	114.8	114.8	125.9	122.5	117.4	102.8	83.1
85°	178.2	183.3	101.1	75.4	72.8	65.1	75.4	74.5	66.8	51.4	42.8
87.5°	29.1	32.6	25.7	23.1	18.8	14.6	16.3	13.7	12.0	6.0	2.6
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)