

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: P416144

Luminaire Tested: **LXF.LXT-PA1-60-830-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416144
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-PA1-60-830-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6020 lumens
Efficiency: N/A
Efficacy: 94.1 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): 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

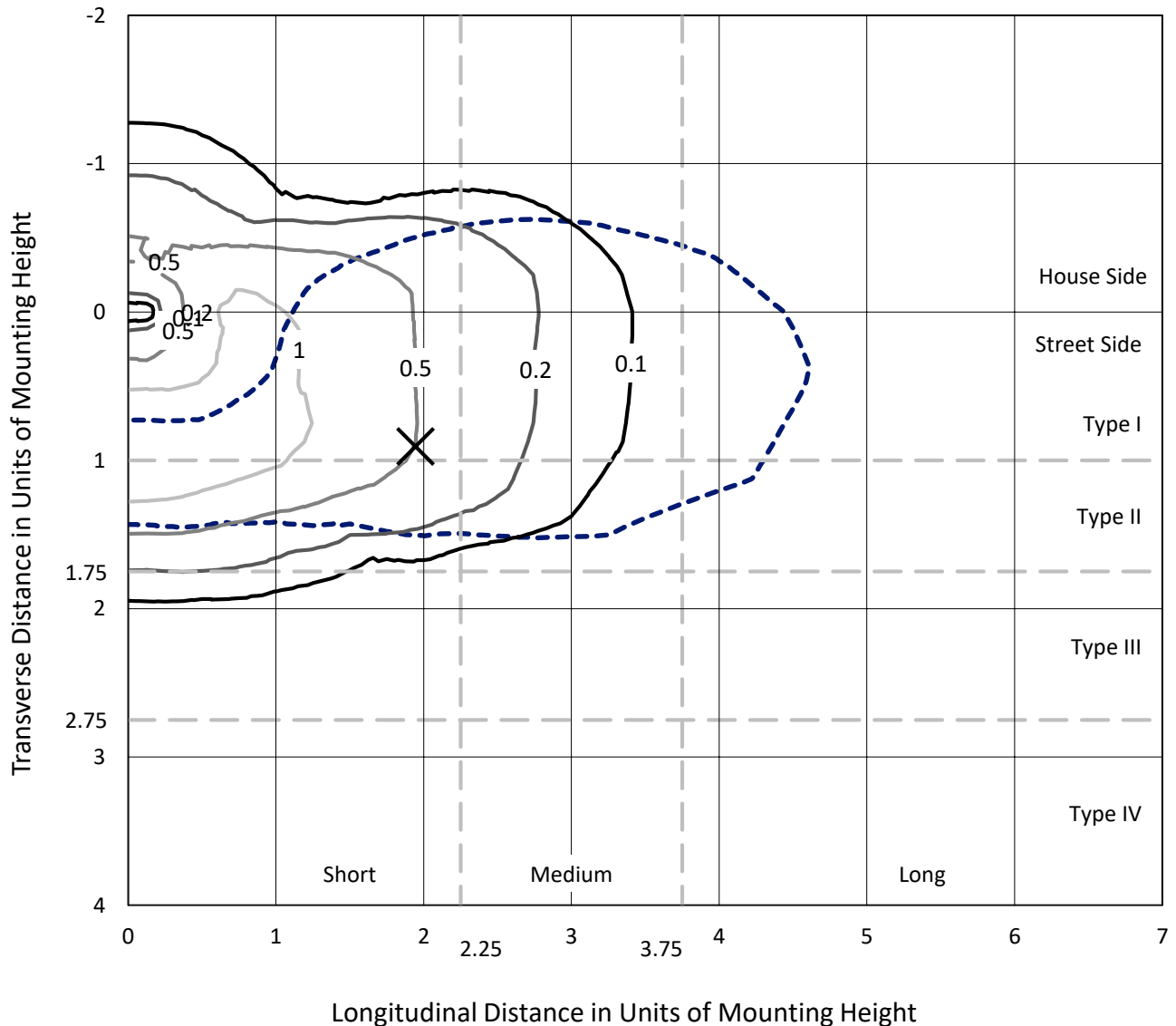


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Iso-Footcandle Lines of Horizontal Illumination

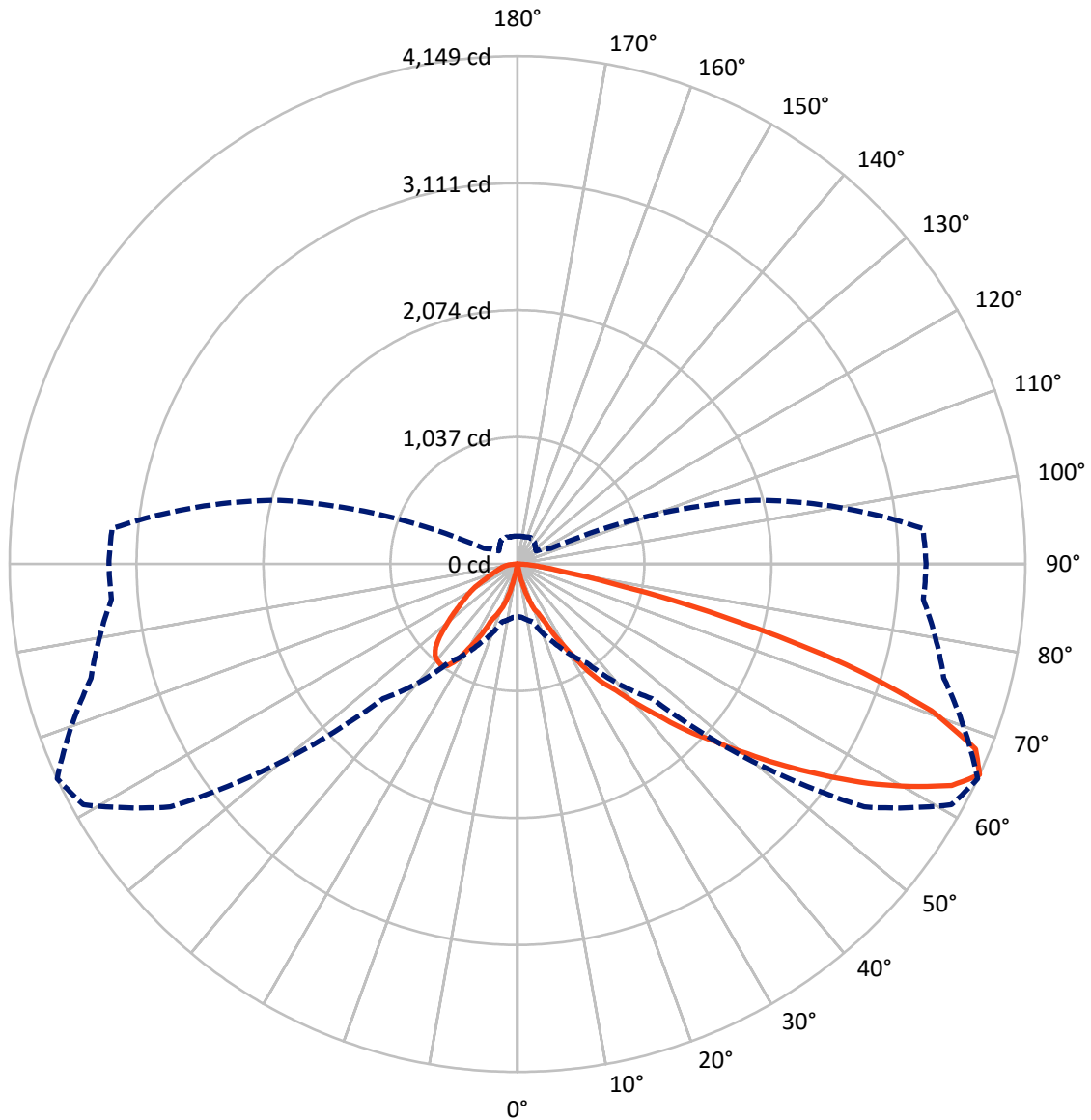
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - Non-Cutoff

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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	1624.4	0.0	1624.4
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	4395.6	0.0	4395.6
	% Fixture	73.0	0.0	73.0
Total	Lumens	6020.0	0.0	6020.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.4	0.1
10°-20°	66.5	1.1
20°-30°	256.0	4.3
30°-40°	640.8	10.6
40°-50°	1193.1	19.8
50°-60°	1562.3	26.0
60°-70°	1400.6	23.3
70°-80°	770.4	12.8
80°-90°	125.9	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°	6020.0	100.0
0°-180°	6020.0	100.0



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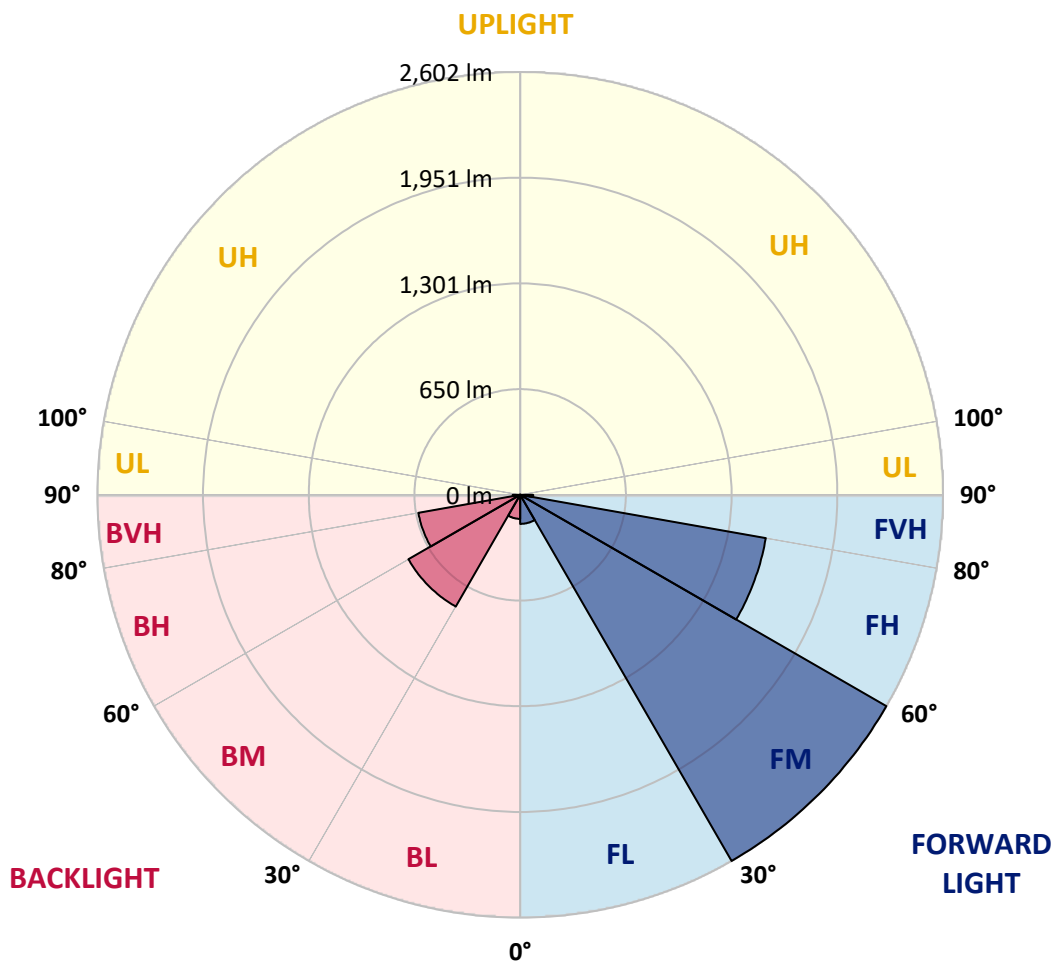
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	179.0	3.0			
FM (30°-60°)	2601.9	43.2			
FH (60°-80°)	1534.9	25.5			G1/1800
FVH (80°-90°)	79.9	1.3			G1/100
BL (0°-30°)	148.0	2.5	B1/500		
BM (30°-60°)	794.3	13.2	B1/1000		
BH (60°-80°)	636.1	10.6	B2/1000		G2/1000
BVH (80°-90°)	46.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	3.2	3.2	3.9	4.5	4.5	3.9	3.2	2.6	1.9	1.3	1.3
5°	29.8	26.6	20.7	14.3	8.4	6.5	5.2	3.9	3.2	1.9	1.3
7.5°	145.8	145.2	144.5	145.2	142.0	55.7	10.4	6.5	5.2	2.6	1.9
10°	146.5	145.8	145.2	146.5	146.5	144.5	137.4	20.1	10.4	6.5	6.5
12.5°	260.6	251.5	173.7	153.0	147.8	147.8	147.8	132.2	125.8	92.7	112.1
15°	273.5	271.6	270.9	272.2	241.1	159.5	223.0	210.0	212.6	181.5	215.2
17.5°	287.8	284.6	282.0	282.6	271.6	313.1	293.0	299.5	302.1	229.5	251.5
20°	446.0	446.0	412.3	312.4	342.9	392.8	324.1	355.9	394.1	342.9	352.0
22.5°	506.2	501.7	497.2	471.2	431.1	428.5	471.2	412.9	438.2	503.7	465.4
25°	688.4	689.7	578.2	543.8	602.2	525.0	562.6	559.4	529.6	610.6	589.9
27.5°	871.2	873.8	861.5	766.8	688.4	675.4	640.4	690.3	682.6	677.4	726.0
30°	1041.7	1041.0	985.3	945.7	903.6	828.4	789.5	799.9	831.0	802.5	905.5
32.5°	1449.4	1438.4	1378.7	1127.9	1063.1	992.4	981.4	952.2	1014.4	994.3	1089.6
35°	1721.0	1718.4	1610.1	1468.8	1264.0	1185.6	1186.9	1132.4	1183.6	1209.6	1224.5
37.5°	2327.7	2318.6	2154.0	1739.8	1578.4	1417.0	1387.2	1361.2	1308.1	1383.3	1382.6
40°	2654.4	2628.5	2483.3	2210.4	1853.2	1658.8	1596.5	1540.8	1502.5	1546.6	1540.8
42.5°	2908.5	2888.4	2786.0	2503.4	2211.7	2060.6	1828.6	1775.4	1698.3	1750.8	1723.6
45°	3090.6	3080.3	2988.9	2778.9	2555.2	2444.4	2090.5	2007.5	1940.7	1933.6	1917.4
47.5°	3125.6	3103.6	3076.4	2958.4	2863.1	2830.1	2414.6	2271.3	2161.1	2140.4	2113.1
50°	2960.4	2953.9	2989.5	2968.1	3084.2	3161.3	2788.6	2590.2	2436.0	2362.7	2310.2
52.5°	2577.3	2590.9	2727.6	2822.9	3112.0	3392.1	3139.9	2948.0	2737.4	2576.0	2505.3
55°	2047.7	2096.9	2299.8	2498.2	2937.7	3491.9	3473.1	3322.1	3050.5	2814.5	2710.1
57.5°	1572.5	1567.4	1828.6	2008.8	2583.7	3425.1	3689.6	3646.8	3379.7	3062.1	2905.9
60°	1019.0	1014.4	1323.0	1553.7	1991.3	3082.9	3801.7	3913.9	3688.9	3276.0	3082.2
62.5°	665.1	692.9	810.3	1138.2	1422.2	2384.1	3764.1	4079.8	3983.2	3474.4	3251.4
65°	427.8	438.2	489.4	709.1	985.9	1555.0	3459.5	4055.2	4148.5	3606.6	3328.5
67.5°	318.9	321.5	346.1	440.8	670.9	812.8	2715.3	3712.9	4036.4	3615.7	3303.3
70°	280.0	285.2	309.2	332.5	499.1	511.4	1587.5	2985.0	3586.5	3485.4	3175.6
72.5°	239.2	244.4	276.1	309.8	381.8	383.7	593.8	1983.5	2808.0	3220.9	2970.7
75°	195.1	198.4	226.2	271.6	318.3	307.9	343.5	896.5	1797.5	2677.1	2649.9
77.5°	157.5	160.1	180.2	216.5	282.0	235.9	256.0	384.4	893.2	1932.9	2146.9
80°	114.1	115.4	134.8	165.9	212.0	210.7	191.2	243.7	368.8	1129.2	1421.5
82.5°	72.6	72.6	92.7	108.9	140.7	208.1	134.2	164.0	206.1	562.0	683.9
85°	40.8	42.1	58.3	63.5	82.3	126.4	96.6	90.7	111.5	203.5	168.5
87.5°	7.8	9.7	16.9	18.1	21.4	29.8	35.0	31.8	33.1	47.3	27.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	1.3	1.9	2.6	2.6	2.6	2.6	2.6	2.6	2.6	1.9	1.9
5°	1.3	1.9	2.6	2.6	3.2	4.5	5.2	5.2	5.8	6.5	5.8
7.5°	1.3	1.9	2.6	3.9	5.2	10.4	37.6	132.9	142.6	144.5	147.1
10°	5.8	5.8	6.5	7.1	29.2	139.4	149.7	151.0	152.3	153.0	153.6
12.5°	114.1	112.8	112.1	86.2	132.9	153.6	155.6	156.9	158.8	189.3	204.8
15°	217.8	218.4	207.4	199.0	231.4	168.5	179.6	277.4	287.2	290.4	292.3
17.5°	249.6	260.6	231.4	307.2	304.7	256.7	282.6	297.5	298.8	300.8	301.4
20°	354.6	352.0	337.1	385.0	329.9	422.0	350.0	301.4	379.2	417.4	418.1
22.5°	460.2	460.9	439.5	444.7	474.5	434.3	350.7	398.0	407.7	407.1	405.1
25°	593.1	587.9	577.6	494.6	560.0	472.5	466.7	385.7	387.0	418.1	438.2
27.5°	725.3	712.4	671.5	641.1	581.4	525.7	440.8	417.4	449.9	447.9	448.6
30°	908.1	888.0	775.3	771.4	617.1	520.5	448.6	415.5	404.5	407.1	405.8
32.5°	1090.9	1054.6	952.9	919.8	657.9	484.9	411.6	383.7	415.5	420.0	417.4
35°	1203.7	1173.9	1138.9	1007.3	662.5	446.6	372.7	379.2	377.3	375.3	376.6
37.5°	1335.3	1286.7	1256.2	1037.1	624.9	398.6	355.2	350.0	381.1	381.8	379.2
40°	1482.4	1427.3	1359.3	1023.5	539.3	361.1	329.9	346.8	348.7	341.0	339.0
42.5°	1648.4	1568.0	1466.9	1005.4	447.3	339.0	320.2	322.2	323.5	315.0	311.8
45°	1815.6	1721.6	1558.9	954.8	380.5	317.0	305.3	304.7	298.2	290.4	288.5
47.5°	2003.0	1892.8	1634.8	866.6	333.2	300.1	295.6	283.3	285.2	278.1	277.4
50°	2196.1	2077.5	1678.2	761.0	302.1	285.9	278.1	274.2	279.4	270.9	269.7
52.5°	2385.4	2286.2	1746.9	666.4	275.5	273.5	270.3	271.6	273.5	264.5	263.8
55°	2590.9	2519.6	1809.8	576.3	252.2	256.7	267.7	267.1	266.4	258.0	258.0
57.5°	2779.5	2744.5	1874.0	506.9	234.0	241.8	261.9	261.9	258.6	251.5	250.9
60°	2998.6	2972.7	1934.9	444.7	218.4	228.2	254.7	255.4	249.6	244.4	243.1
62.5°	3197.6	3178.1	1983.5	379.2	201.6	216.5	244.4	248.9	240.5	236.6	236.6
65°	3337.6	3324.0	2010.1	298.2	185.4	204.8	233.4	239.8	228.8	228.2	228.2
67.5°	3349.9	3341.5	1955.0	248.9	173.7	193.8	219.7	226.2	216.5	218.4	214.6
70°	3235.2	3173.6	1798.8	207.4	162.1	179.6	203.5	211.3	201.6	202.2	195.8
72.5°	2992.8	2815.2	1522.6	176.3	149.1	164.0	186.0	193.2	184.1	182.1	175.0
75°	2585.0	2310.9	1059.8	153.0	135.5	147.1	164.6	171.8	165.9	156.2	154.3
77.5°	2002.3	1693.8	649.5	132.2	123.2	129.6	142.6	146.5	140.7	129.0	127.0
80°	1262.1	1015.7	313.1	114.7	107.0	110.2	118.6	121.9	117.3	105.7	99.2
82.5°	578.2	438.8	165.3	92.7	86.9	86.9	95.3	92.7	88.8	77.8	62.9
85°	134.8	138.7	76.5	57.0	55.1	49.3	57.0	56.4	50.6	38.9	32.4
87.5°	22.0	24.6	19.4	17.5	14.3	11.0	12.3	10.4	9.1	4.5	1.9
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)