

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: P416560

Luminaire Tested: **LXF.LXT-PA1-70-830-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416560
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-PA1-70-830-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6752 lumens
Efficiency: N/A
Efficacy: 91.2 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

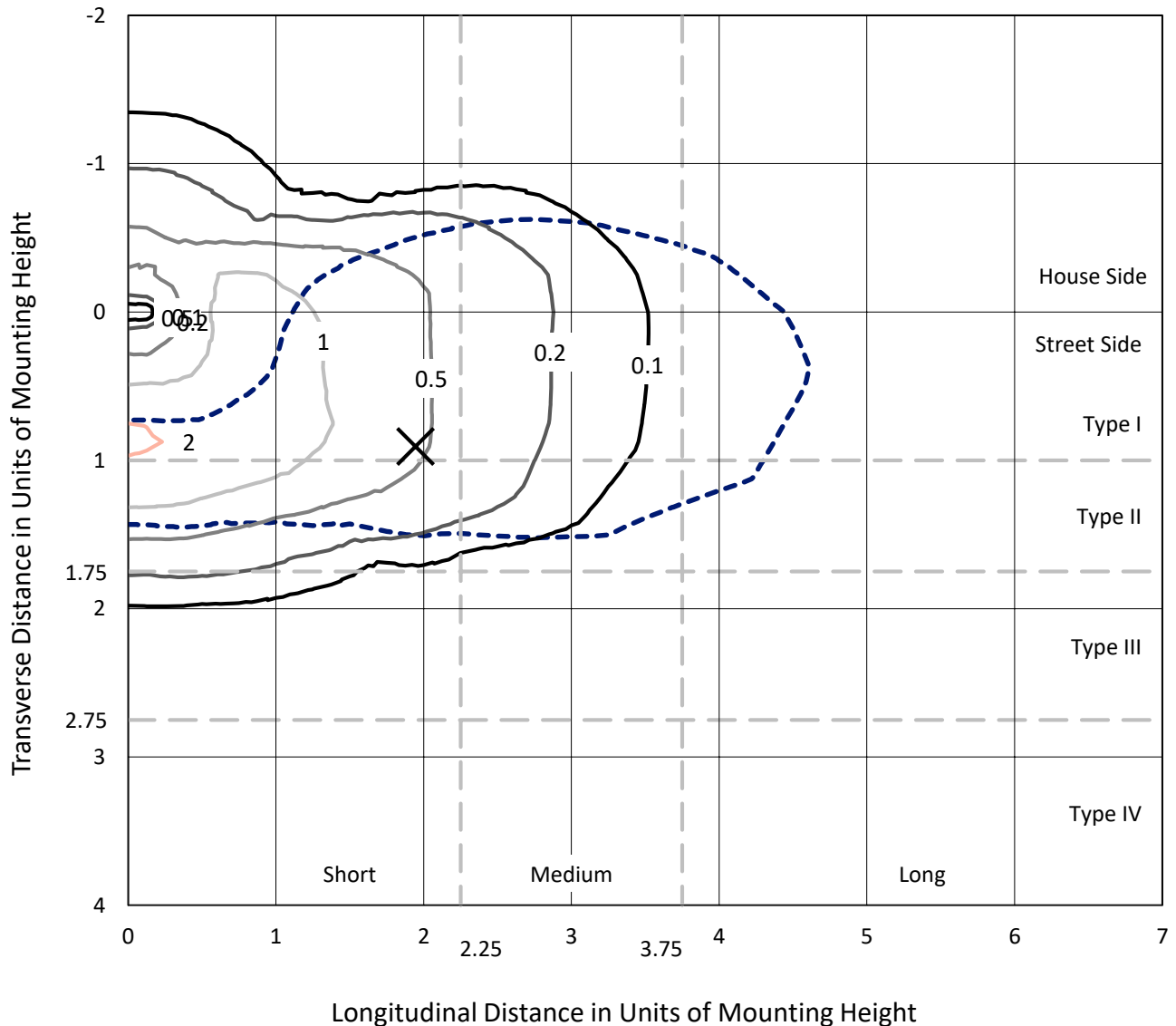
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

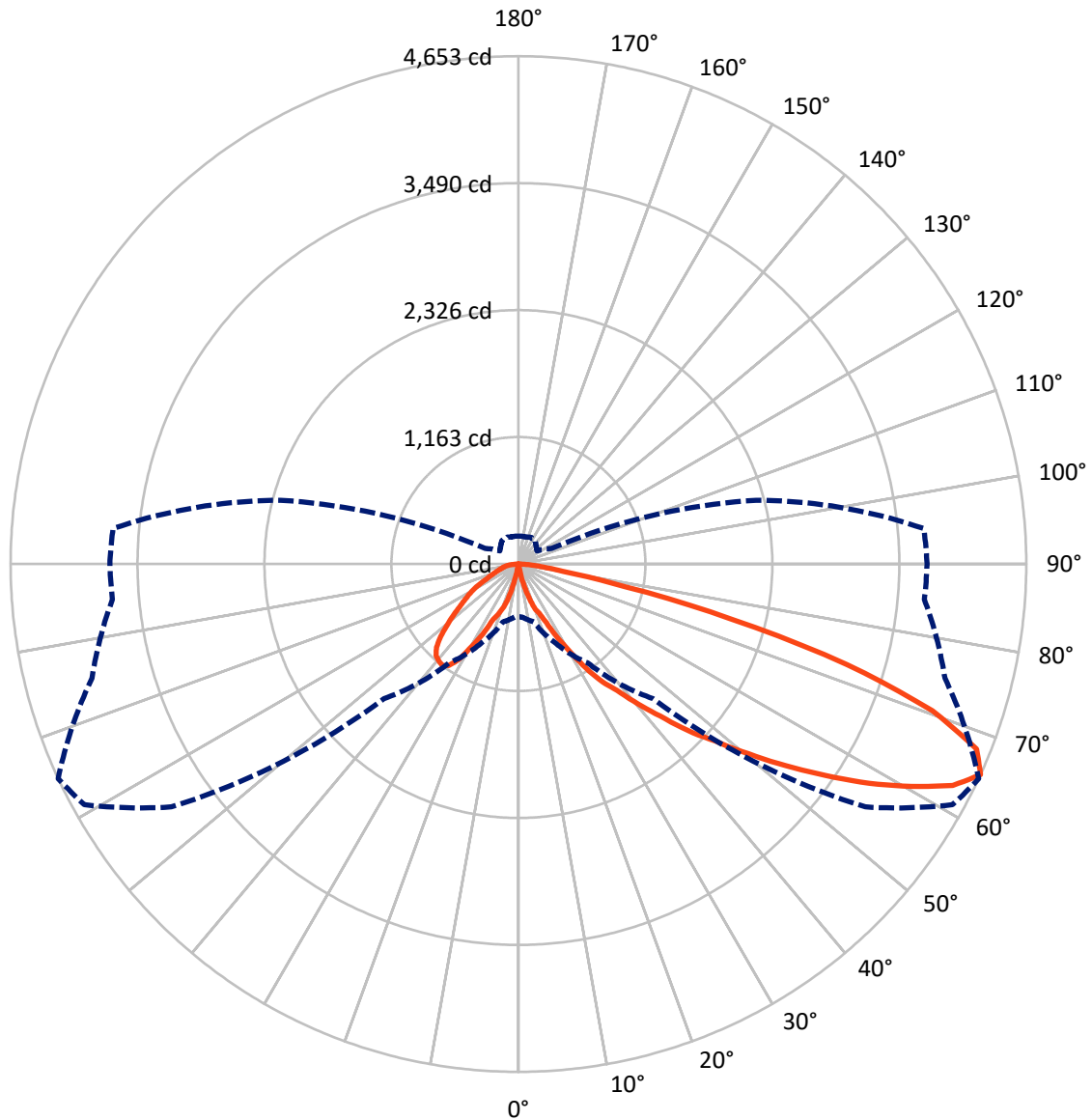
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 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	1821.9	0.0	1821.9
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	4930.1	0.0	4930.1
	% Fixture	73.0	0.0	73.0
Total	Lumens	6752.0	0.0	6752.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.1
10°-20°	74.6	1.1
20°-30°	287.2	4.3
30°-40°	718.7	10.6
40°-50°	1338.2	19.8
50°-60°	1752.3	26.0
60°-70°	1570.9	23.3
70°-80°	864.1	12.8
80°-90°	141.2	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°	6752.0	100.0
0°-180°	6752.0	100.0



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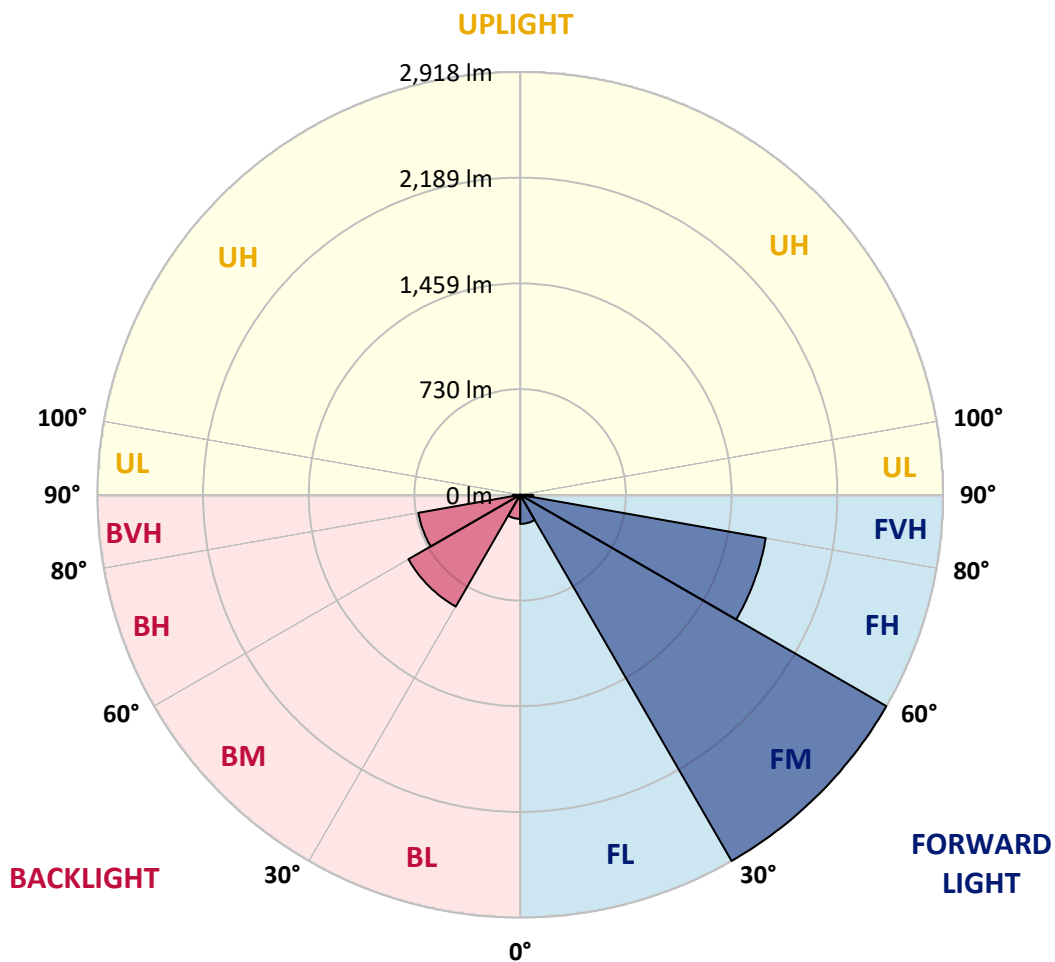
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	200.7	3.0			
FM	(30°-60°)	2918.3	43.2			
FH	(60°-80°)	1721.5	25.5			G1/1800
FVH	(80°-90°)	89.6	1.3			G1/100
BL	(0°-30°)	166.0	2.5	B1/500		
BM	(30°-60°)	890.9	13.2	B1/1000		
BH	(60°-80°)	713.5	10.6	B2/1000		G2/1000
BVH	(80°-90°)	51.6	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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	3.6	3.6	4.4	5.1	5.1	4.4	3.6	2.9	2.2	1.5	1.5
5°	33.4	29.8	23.3	16.0	9.5	7.3	5.8	4.4	3.6	2.2	1.5
7.5°	163.6	162.9	162.1	162.9	159.2	62.5	11.6	7.3	5.8	2.9	2.2
10°	164.3	163.6	162.9	164.3	164.3	162.1	154.1	22.5	11.6	7.3	7.3
12.5°	292.3	282.1	194.8	171.6	165.8	165.8	165.8	148.3	141.0	104.0	125.8
15°	306.8	304.6	303.9	305.3	270.5	178.8	250.1	235.6	238.5	203.6	241.4
17.5°	322.8	319.2	316.3	317.0	304.6	351.2	328.6	335.9	338.8	257.4	282.1
20°	500.2	500.2	462.4	350.4	384.6	440.6	363.5	399.1	442.0	384.6	394.8
22.5°	567.8	562.7	557.6	528.5	483.5	480.6	528.5	463.1	491.5	564.9	522.0
25°	772.1	773.6	648.5	610.0	675.4	588.9	631.1	627.4	594.0	684.9	661.6
27.5°	977.1	980.0	966.2	860.1	772.1	757.6	718.3	774.3	765.6	759.7	814.3
30°	1168.3	1167.6	1105.1	1060.7	1013.5	929.1	885.5	897.1	932.0	900.1	1015.7
32.5°	1625.6	1613.3	1546.4	1265.0	1192.3	1113.1	1100.7	1068.0	1137.8	1115.3	1222.1
35°	1930.2	1927.3	1805.9	1647.4	1417.7	1329.7	1331.2	1270.1	1327.5	1356.6	1373.3
37.5°	2610.7	2600.6	2415.9	1951.3	1770.3	1589.3	1555.8	1526.7	1467.1	1551.5	1550.7
40°	2977.2	2948.1	2785.2	2479.1	2078.6	1860.5	1790.7	1728.1	1685.2	1734.7	1728.1
42.5°	3262.2	3239.6	3124.7	2807.8	2480.6	2311.2	2050.9	1991.3	1904.8	1963.7	1933.2
45°	3466.4	3454.8	3352.3	3116.7	2865.9	2741.6	2344.6	2251.6	2176.7	2168.7	2150.5
47.5°	3505.7	3481.0	3450.5	3318.1	3211.3	3174.2	2708.2	2547.5	2423.9	2400.6	2370.1
50°	3320.3	3313.0	3353.0	3329.0	3459.2	3545.7	3127.7	2905.2	2732.2	2650.0	2591.1
52.5°	2890.6	2905.9	3059.3	3166.2	3490.4	3804.5	3521.7	3306.5	3070.2	2889.2	2809.9
55°	2296.7	2351.9	2579.5	2801.9	3294.9	3916.5	3895.4	3726.0	3421.4	3156.7	3039.7
57.5°	1763.8	1757.9	2050.9	2253.0	2897.9	3841.6	4138.2	4090.2	3790.7	3434.5	3259.2
60°	1142.9	1137.8	1483.9	1742.7	2233.4	3457.7	4264.0	4389.8	4137.5	3674.4	3457.0
62.5°	745.9	777.2	908.8	1276.7	1595.1	2674.0	4221.8	4575.9	4467.6	3896.8	3646.7
65°	479.8	491.5	548.9	795.4	1105.8	1744.1	3880.1	4548.3	4652.9	4045.2	3733.3
67.5°	357.7	360.6	388.2	494.4	752.5	911.7	3045.5	4164.4	4527.2	4055.3	3704.9
70°	314.1	319.9	346.8	373.0	559.8	573.6	1780.5	3347.9	4022.6	3909.2	3561.7
72.5°	268.3	274.1	309.7	347.5	428.2	430.4	666.0	2224.7	3149.5	3612.6	3331.9
75°	218.8	222.5	253.7	304.6	357.0	345.3	385.3	1005.5	2016.0	3002.6	2972.1
77.5°	176.7	179.6	202.1	242.8	316.3	264.6	287.2	431.1	1001.8	2168.0	2407.9
80°	128.0	129.4	151.2	186.1	237.7	236.3	214.5	273.4	413.7	1266.5	1594.4
82.5°	81.4	81.4	104.0	122.1	157.8	233.4	150.5	183.9	231.2	630.3	767.0
85°	45.8	47.3	65.4	71.2	92.3	141.8	108.3	101.8	125.0	228.3	189.0
87.5°	8.7	10.9	18.9	20.4	24.0	33.4	39.3	35.6	37.1	53.1	31.3
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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	1.5	2.2	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.2	2.2
5°	1.5	2.2	2.9	2.9	3.6	5.1	5.8	5.8	6.5	7.3	6.5
7.5°	1.5	2.2	2.9	4.4	5.8	11.6	42.2	149.0	159.9	162.1	165.0
10°	6.5	6.5	7.3	8.0	32.7	156.3	167.9	169.4	170.9	171.6	172.3
12.5°	128.0	126.5	125.8	96.7	149.0	172.3	174.5	175.9	178.1	212.3	229.7
15°	244.3	245.0	232.6	223.2	259.5	189.0	201.4	311.2	322.1	325.7	327.9
17.5°	279.9	292.3	259.5	344.6	341.7	287.9	317.0	333.7	335.2	337.3	338.1
20°	397.7	394.8	378.1	431.9	370.1	473.3	392.6	338.1	425.3	468.2	468.9
22.5°	516.2	516.9	492.9	498.7	532.2	487.1	393.3	446.4	457.3	456.6	454.4
25°	665.2	659.4	647.8	554.7	628.1	530.0	523.5	432.6	434.0	468.9	491.5
27.5°	813.5	799.0	753.2	719.0	652.1	589.6	494.4	468.2	504.6	502.4	503.1
30°	1018.6	996.0	869.5	865.2	692.1	583.8	503.1	466.0	453.7	456.6	455.1
32.5°	1223.6	1182.9	1068.7	1031.6	737.9	543.8	461.7	430.4	466.0	471.1	468.2
35°	1350.1	1316.6	1277.4	1129.8	743.0	500.9	418.0	425.3	423.1	420.9	422.4
37.5°	1497.7	1443.1	1409.0	1163.2	700.9	447.1	398.4	392.6	427.5	428.2	425.3
40°	1662.7	1600.9	1524.6	1148.0	604.9	405.0	370.1	389.0	391.1	382.4	380.2
42.5°	1848.8	1758.7	1645.3	1127.6	501.6	380.2	359.1	361.3	362.8	353.3	349.7
45°	2036.4	1931.0	1748.5	1070.9	426.8	355.5	342.4	341.7	334.4	325.7	323.5
47.5°	2246.5	2122.9	1833.6	972.0	373.7	336.6	331.5	317.7	319.9	311.9	311.2
50°	2463.2	2330.1	1882.3	853.5	338.8	320.6	311.9	307.5	313.3	303.9	302.4
52.5°	2675.4	2564.2	1959.3	747.4	309.0	306.8	303.2	304.6	306.8	296.6	295.9
55°	2905.9	2825.9	2029.8	646.3	282.8	287.9	300.3	299.5	298.8	289.4	289.4
57.5°	3117.5	3078.2	2101.8	568.5	262.5	271.2	293.7	293.7	290.1	282.1	281.4
60°	3363.2	3334.1	2170.2	498.7	245.0	255.9	285.7	286.4	279.9	274.1	272.6
62.5°	3586.4	3564.6	2224.7	425.3	226.1	242.8	274.1	279.2	269.7	265.4	265.4
65°	3743.4	3728.2	2254.5	334.4	207.9	229.7	261.7	269.0	256.6	255.9	255.9
67.5°	3757.3	3747.8	2192.7	279.2	194.8	217.4	246.5	253.7	242.8	245.0	240.6
70°	3628.6	3559.5	2017.5	232.6	181.8	201.4	228.3	237.0	226.1	226.8	219.6
72.5°	3356.7	3157.5	1707.8	197.8	167.2	183.9	208.7	216.7	206.5	204.3	196.3
75°	2899.4	2591.8	1188.7	171.6	151.9	165.0	184.7	192.7	186.1	175.2	173.0
77.5°	2245.8	1899.7	728.5	148.3	138.1	145.4	159.9	164.3	157.8	144.7	142.5
80°	1415.5	1139.2	351.2	128.7	120.0	123.6	133.0	136.7	131.6	118.5	111.2
82.5°	648.5	492.2	185.4	104.0	97.4	97.4	106.9	104.0	99.6	87.2	70.5
85°	151.2	155.6	85.8	64.0	61.8	55.3	64.0	63.3	56.7	43.6	36.4
87.5°	24.7	27.6	21.8	19.6	16.0	12.4	13.8	11.6	10.2	5.1	2.2
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)