

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: P414853

Luminaire Tested: **LXF.LXT-PA1-30-827-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414853
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-827-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2887 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

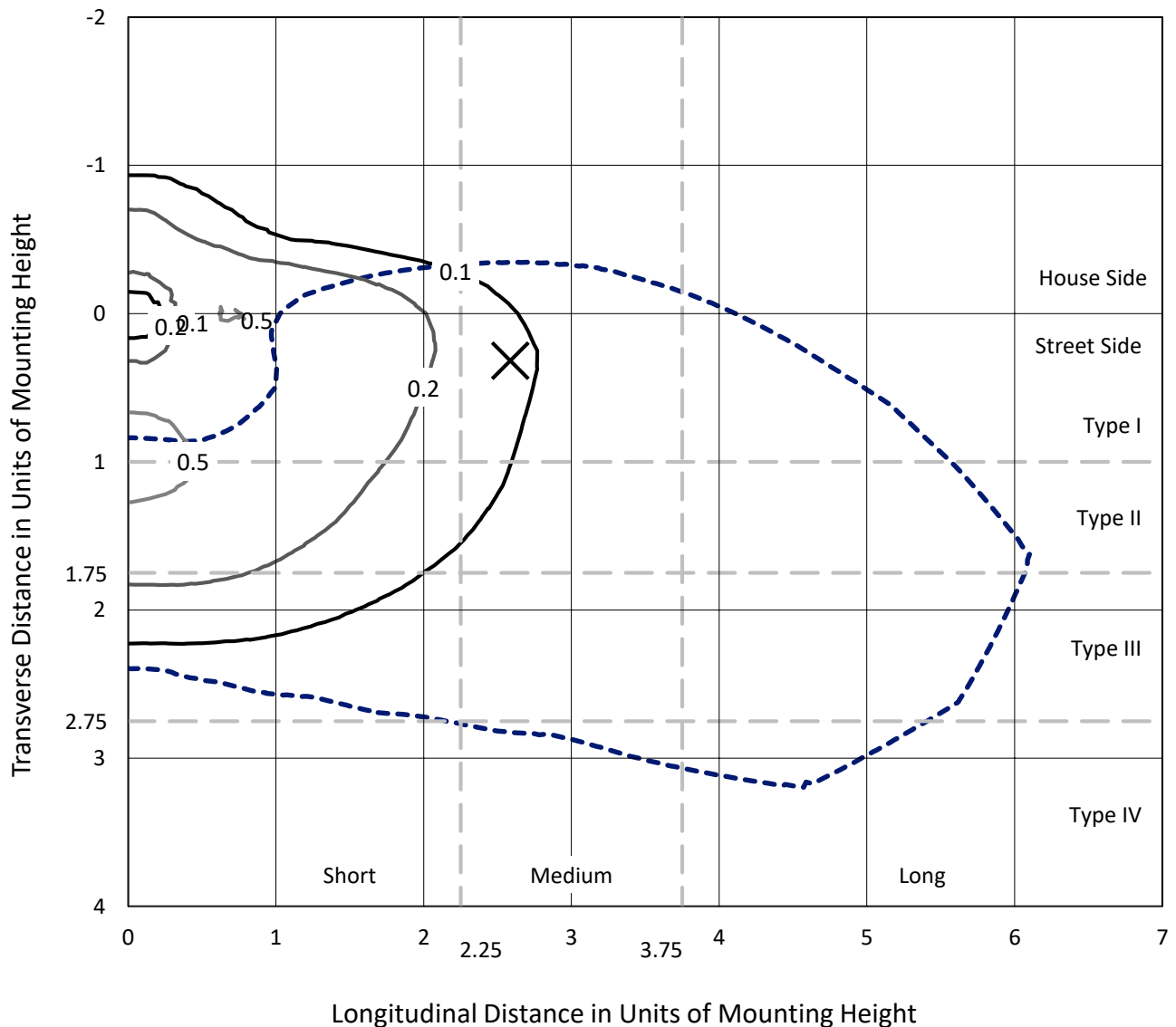
Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

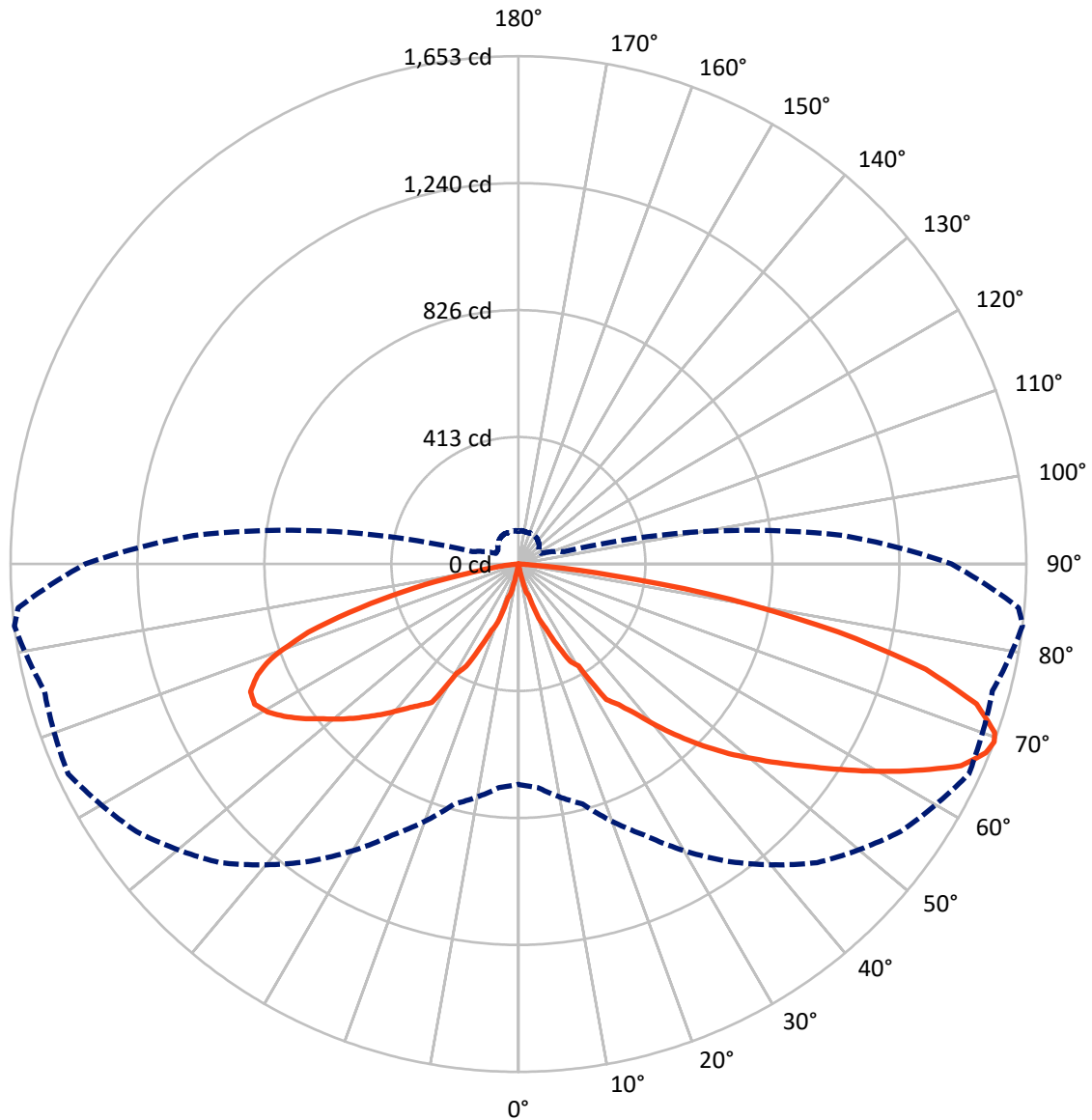


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	612.3	0.0	612.3
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	2274.6	0.0	2274.6
	% Fixture	78.8	0.0	78.8
Total	Lumens	2887.0	0.0	2887.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.9	0.1
10°-20°	29.3	1.0
20°-30°	115.8	4.0
30°-40°	257.6	8.9
40°-50°	437.5	15.2
50°-60°	652.0	22.6
60°-70°	767.8	26.6
70°-80°	537.4	18.6
80°-90°	87.7	3.0
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°	2887.0	100.0
0°-180°	2887.0	100.0



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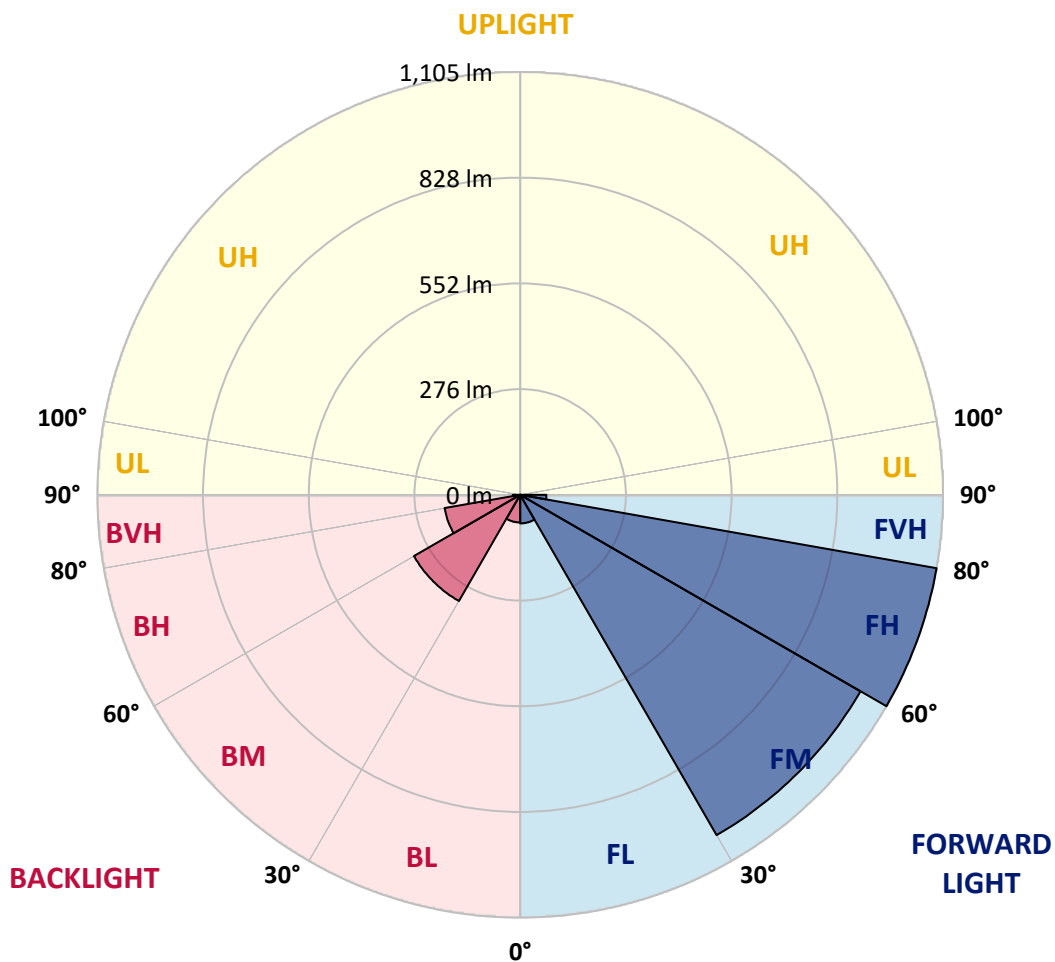
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	74.8	2.6			
FM	(30°-60°)	1026.7	35.6			
FH	(60°-80°)	1104.7	38.3			G1/1800
FVH	(80°-90°)	68.6	2.4			G1/100
BL	(0°-30°)	72.2	2.5	B0/110		
BM	(30°-60°)	320.4	11.1	B1/1000		
BH	(60°-80°)	200.6	6.9	B1/500		G1/500
BVH	(80°-90°)	19.2	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	1.6	1.2	1.6	1.9	1.9	1.6	1.2	1.2	1.2	1.2	0.9
5°	25.2	18.3	16.5	14.6	8.7	3.1	1.9	1.2	1.2	1.2	1.2
7.5°	53.1	53.1	53.1	53.5	53.1	39.5	9.3	2.2	1.2	1.2	1.2
10°	53.8	53.5	53.1	53.5	54.1	54.4	52.5	7.5	3.1	2.8	2.8
12.5°	97.3	96.7	93.2	65.3	55.3	55.6	56.9	41.0	14.9	39.5	46.0
15°	103.2	102.6	102.6	102.9	97.6	60.6	85.5	111.9	79.6	95.1	96.7
17.5°	115.6	112.2	109.4	107.5	108.2	120.6	121.2	123.7	92.6	106.6	108.5
20°	177.2	175.9	166.0	127.1	118.7	156.6	139.5	137.4	173.4	188.3	191.5
22.5°	202.3	201.1	193.9	187.1	195.2	170.6	198.6	204.8	235.0	226.0	228.7
25°	274.7	273.8	234.0	216.6	238.1	196.1	245.2	234.7	259.5	289.4	292.5
27.5°	336.3	334.1	326.0	292.2	265.7	294.0	271.3	313.6	352.4	357.4	366.7
30°	399.4	385.1	360.2	361.5	327.3	324.2	323.2	376.4	377.6	385.4	401.2
32.5°	502.6	496.0	475.2	410.9	403.4	360.2	397.8	401.2	493.2	525.6	528.7
35°	585.2	557.3	537.7	501.3	444.8	458.7	443.2	504.7	541.1	561.9	574.7
37.5°	717.0	720.7	688.7	556.3	520.9	504.7	531.8	565.0	610.4	615.4	634.7
40°	811.8	809.3	766.1	668.5	589.3	572.8	590.8	623.5	685.0	691.2	695.9
42.5°	949.8	937.7	877.4	767.7	694.3	659.5	664.5	678.2	739.7	767.4	761.8
45°	1077.5	1069.5	1008.5	873.3	793.8	753.1	745.6	733.5	807.5	844.4	834.2
47.5°	1177.6	1163.3	1128.5	990.8	929.6	860.3	823.0	800.9	874.6	921.8	907.5
50°	1284.8	1263.1	1231.7	1107.4	1047.1	985.2	903.2	875.5	950.1	997.0	985.5
52.5°	1356.0	1322.1	1302.6	1211.2	1155.6	1101.5	981.2	962.5	1033.1	1078.2	1075.7
55°	1320.3	1319.0	1338.9	1281.1	1227.0	1169.9	1062.3	1061.4	1119.8	1166.1	1168.3
57.5°	1258.1	1264.6	1321.2	1329.9	1306.9	1239.8	1162.7	1172.0	1221.8	1264.6	1269.3
60°	1178.9	1196.9	1278.3	1324.3	1342.7	1309.4	1259.4	1273.7	1333.0	1370.0	1368.8
62.5°	1074.1	1088.7	1190.1	1294.2	1331.5	1362.9	1348.6	1394.6	1441.5	1476.3	1485.3
65°	950.4	956.3	1066.0	1206.5	1302.9	1390.2	1423.2	1506.8	1529.4	1582.9	1584.8
67.5°	813.4	815.2	910.6	1078.2	1240.7	1388.0	1486.6	1589.7	1583.8	1640.7	1636.4
69°	717.0	730.4	808.7	973.7	1180.4	1374.7	1518.0	1617.1	1597.2	1652.8	1633.9
70°	649.3	648.3	737.8	885.2	1127.3	1357.6	1537.8	1624.2	1597.5	1644.4	1615.9
72.5°	413.7	419.9	497.3	628.1	908.5	1258.7	1562.4	1605.3	1563.3	1558.7	1497.4
75°	182.8	166.0	214.5	332.6	571.3	979.0	1503.3	1519.8	1466.0	1370.0	1265.0
77.5°	64.0	66.5	80.8	135.2	275.1	583.4	1246.0	1337.1	1294.8	1063.9	946.7
80°	45.7	46.0	54.1	75.5	133.3	205.8	793.2	967.2	996.4	701.5	603.0
82.5°	32.3	32.3	40.1	48.2	92.3	92.0	341.3	532.1	568.5	311.1	232.8
85°	27.0	27.7	30.8	28.0	54.1	46.9	84.2	164.1	134.6	37.9	33.3
87.5°	4.0	3.7	10.6	9.3	8.1	6.8	9.3	10.6	7.1	5.6	4.0
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°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
2.5°	1.2	1.2	1.2	1.2	0.9	0.6	0.6	0.6	0.9	0.9	0.9
5°	1.2	1.2	1.2	1.2	1.2	1.2	1.6	2.2	2.5	2.8	2.8
7.5°	1.2	1.2	1.2	1.6	1.9	2.8	15.2	52.8	57.8	60.3	61.8
10°	2.5	2.8	2.8	2.8	6.8	58.4	69.6	72.1	74.6	75.8	75.5
12.5°	48.2	49.7	12.4	9.0	54.4	73.0	75.2	77.7	80.2	82.1	81.7
15°	99.1	101.6	97.6	101.0	107.2	79.3	81.1	137.4	148.9	151.0	151.4
17.5°	110.6	112.5	114.4	148.9	152.6	117.5	140.5	150.7	152.0	152.6	152.9
20°	210.7	209.8	169.7	163.2	161.6	203.9	149.2	152.0	181.8	207.0	208.2
22.5°	232.5	235.3	224.1	239.6	212.3	206.4	188.0	201.4	212.6	212.3	211.3
25°	301.5	305.2	257.0	249.3	254.5	205.1	234.7	201.1	204.2	204.5	206.4
27.5°	377.0	377.9	356.8	280.7	250.5	253.9	221.0	214.1	239.3	240.9	240.9
30°	410.6	416.5	377.0	325.1	259.5	239.9	214.1	233.4	222.2	224.1	224.1
32.5°	545.5	540.8	492.3	322.0	268.8	220.7	223.8	216.3	239.6	245.8	246.5
35°	580.9	571.3	495.1	359.9	250.8	225.3	204.5	219.7	219.7	219.4	217.9
37.5°	624.7	607.9	489.2	333.2	252.4	205.8	197.4	197.7	215.7	219.7	216.9
40°	676.6	651.4	488.3	311.1	228.7	194.9	181.2	190.2	189.9	184.6	181.5
42.5°	732.9	699.6	486.1	285.0	205.4	182.8	170.9	168.1	169.7	160.1	159.1
45°	798.8	749.3	479.9	262.0	186.8	169.7	156.3	152.0	152.6	145.1	143.3
47.5°	868.7	800.6	478.3	244.0	171.3	156.6	145.8	140.2	142.3	134.0	132.1
50°	946.7	853.5	473.0	227.2	154.2	144.5	136.4	129.9	130.2	123.7	122.1
52.5°	1031.5	904.7	467.1	204.2	138.6	134.3	129.6	124.6	130.2	121.5	119.7
55°	1118.6	967.2	459.4	177.5	124.6	126.5	121.8	125.6	133.6	120.0	117.5
57.5°	1215.2	1026.0	444.8	148.3	113.4	117.8	120.9	125.9	132.4	119.7	115.0
60°	1306.9	1082.5	409.9	125.3	103.8	110.6	119.0	124.0	123.4	117.5	114.4
62.5°	1400.2	1129.1	345.6	107.5	95.7	107.2	116.2	118.4	115.6	113.4	111.6
65°	1451.4	1140.6	267.9	95.7	89.2	102.6	112.8	114.7	110.6	110.6	109.1
67.5°	1443.0	1103.7	197.7	86.1	83.6	97.9	106.9	111.3	108.5	110.6	108.2
69°	1409.5	1061.4	155.4	81.1	80.8	94.2	103.5	108.5	106.3	109.4	106.3
70°	1370.0	1018.8	137.4	78.3	78.0	91.4	101.3	106.3	103.8	106.3	103.5
72.5°	1218.6	874.3	98.5	70.6	71.5	85.8	96.0	99.8	97.6	98.2	94.5
75°	974.4	649.9	78.0	64.0	65.0	79.3	90.1	92.3	90.8	88.0	85.8
77.5°	685.0	419.0	64.0	58.1	58.4	71.5	83.9	83.6	81.1	78.3	75.5
80°	373.6	197.0	54.4	51.0	51.9	63.7	74.9	74.0	70.9	68.1	64.6
82.5°	161.6	79.6	42.3	40.7	43.5	53.5	64.3	61.8	59.1	60.3	46.9
85°	28.9	27.4	24.6	26.1	29.5	37.9	45.4	43.2	41.6	35.4	32.6
87.5°	2.5	3.7	3.7	4.7	6.5	7.1	12.7	9.3	9.6	3.7	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)