

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: P414281

Luminaire Tested: **LXF.LXT-PA1-20-740-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414281
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-PA1-20-740-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2800 lumens
Efficiency: N/A
Efficacy: 133.3 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): 21
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

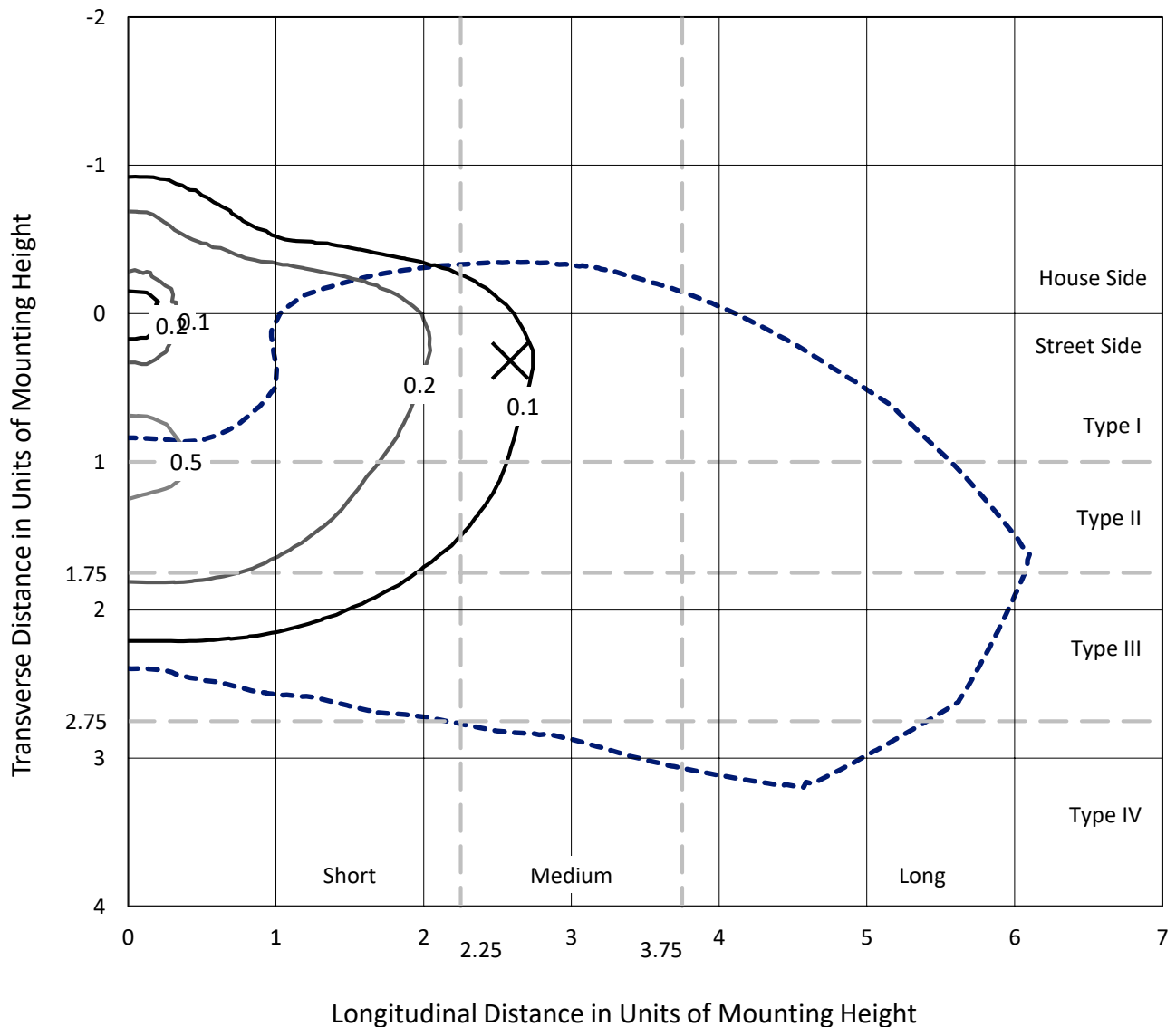


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

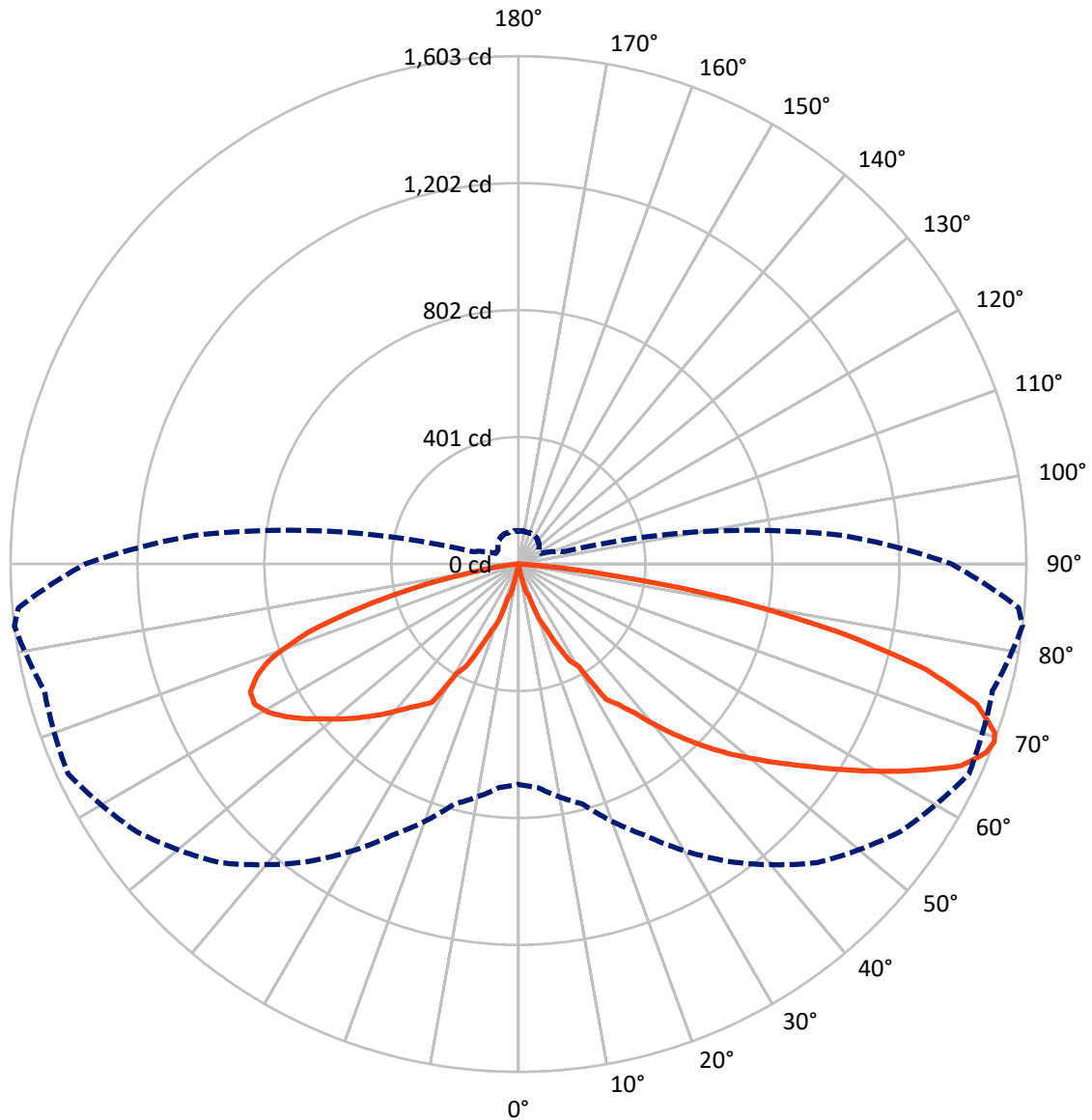


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type IV - Medium - Non-Cutoff

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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	593.9	0.0	593.9
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	2206.1	0.0	2206.1
	% Fixture	78.8	0.0	78.8
Total	Lumens	2800.0	0.0	2800.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.8	0.1
10°-20°	28.5	1.0
20°-30°	112.3	4.0
30°-40°	249.9	8.9
40°-50°	424.3	15.2
50°-60°	632.3	22.6
60°-70°	744.7	26.6
70°-80°	521.2	18.6
80°-90°	85.1	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°	2800.0	100.0
0°-180°	2800.0	100.0



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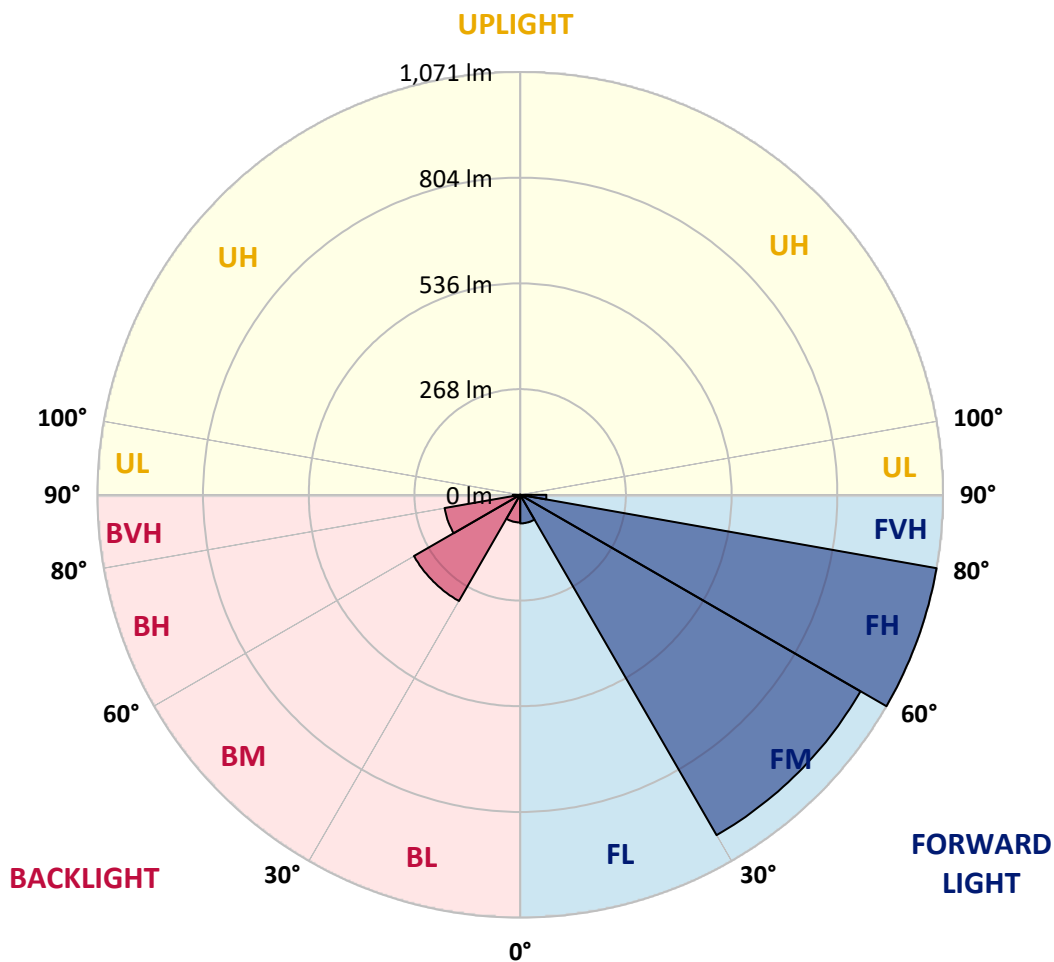
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	72.5	2.6			
FM	(30°-60°)	995.7	35.6			
FH	(60°-80°)	1071.4	38.3			G1/1800
FVH	(80°-90°)	66.5	2.4			G1/100
BL	(0°-30°)	70.0	2.5	B0/110		
BM	(30°-60°)	310.8	11.1	B1/1000		
BH	(60°-80°)	194.5	6.9	B1/500		G1/500
BVH	(80°-90°)	18.6	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°	1.5	1.2	1.5	1.8	1.8	1.5	1.2	1.2	1.2	1.2	0.9
5°	24.4	17.8	16.0	14.2	8.4	3.0	1.8	1.2	1.2	1.2	1.2
7.5°	51.5	51.5	51.5	51.8	51.5	38.3	9.0	2.1	1.2	1.2	1.2
10°	52.1	51.8	51.5	51.8	52.4	52.8	50.9	7.2	3.0	2.7	2.7
12.5°	94.3	93.7	90.4	63.3	53.7	54.0	55.2	39.8	14.5	38.3	44.6
15°	100.1	99.5	99.5	99.8	94.7	58.8	82.9	108.5	77.2	92.2	93.7
17.5°	112.1	108.8	106.1	104.3	104.9	117.0	117.6	120.0	89.8	103.4	105.2
20°	171.8	170.6	161.0	123.3	115.1	151.9	135.3	133.2	168.2	182.7	185.7
22.5°	196.2	195.0	188.1	181.5	189.3	165.5	192.6	198.6	227.9	219.1	221.9
25°	266.5	265.6	227.0	210.1	230.9	190.2	237.8	227.6	251.7	280.6	283.6
27.5°	326.2	324.0	316.2	283.3	257.7	285.2	263.2	304.1	341.8	346.6	355.7
30°	387.3	373.5	349.4	350.6	317.4	314.4	313.5	365.0	366.2	373.8	389.2
32.5°	487.4	481.1	460.9	398.5	391.3	349.4	385.8	389.2	478.4	509.7	512.7
35°	567.6	540.5	521.5	486.2	431.4	444.9	429.8	489.5	524.8	545.0	557.4
37.5°	695.4	699.0	668.0	539.6	505.2	489.5	515.8	548.0	592.0	596.8	615.5
40°	787.3	784.9	743.0	648.4	571.5	555.5	573.0	604.7	664.4	670.4	674.9
42.5°	921.2	909.4	850.9	744.5	673.4	639.6	644.5	657.7	717.4	744.2	738.8
45°	1045.1	1037.2	978.2	847.0	769.9	730.4	723.1	711.4	783.1	819.0	809.1
47.5°	1142.1	1128.3	1094.5	961.0	901.6	834.4	798.2	776.8	848.2	894.1	880.2
50°	1246.1	1225.0	1194.6	1074.0	1015.5	955.5	876.0	849.1	921.5	967.0	955.8
52.5°	1315.2	1282.3	1263.3	1174.7	1120.7	1068.3	951.6	933.5	1002.0	1045.7	1043.3
55°	1280.5	1279.3	1298.6	1242.5	1190.1	1134.6	1030.3	1029.4	1086.1	1131.0	1133.1
57.5°	1220.2	1226.5	1281.4	1289.8	1267.5	1202.4	1127.7	1136.7	1184.9	1226.5	1231.1
60°	1143.3	1160.8	1239.8	1284.4	1302.2	1269.9	1221.4	1235.3	1292.9	1328.7	1327.5
62.5°	1041.8	1055.9	1154.2	1255.2	1291.3	1321.8	1307.9	1352.5	1398.1	1431.8	1440.6
65°	921.8	927.5	1033.9	1170.2	1263.6	1348.3	1380.3	1461.4	1483.4	1535.2	1537.0
67.5°	788.9	790.7	883.2	1045.7	1203.3	1346.2	1441.8	1541.8	1536.1	1591.3	1587.1
69°	695.4	708.4	784.3	944.4	1144.8	1333.2	1472.2	1568.4	1549.1	1603.0	1584.6
70°	629.7	628.8	715.6	858.5	1093.3	1316.7	1491.5	1575.3	1549.4	1594.9	1567.2
72.5°	401.2	407.2	482.3	609.2	881.1	1220.8	1515.3	1556.9	1516.2	1511.7	1452.3
75°	177.2	161.0	208.0	322.5	554.0	949.5	1458.0	1474.0	1421.9	1328.7	1226.8
77.5°	62.1	64.5	78.4	131.1	266.8	565.8	1208.5	1296.8	1255.8	1031.8	918.2
80°	44.3	44.6	52.4	73.2	129.3	199.5	769.3	938.1	966.4	680.3	584.8
82.5°	31.3	31.3	38.9	46.7	89.5	89.2	331.0	516.1	551.3	301.7	225.8
85°	26.2	26.8	29.8	27.1	52.4	45.5	81.7	159.2	130.5	36.8	32.3
87.5°	3.9	3.6	10.2	9.0	7.8	6.6	9.0	10.2	6.9	5.4	3.9
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°	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	1.5	2.1	2.4	2.7	2.7
7.5°	1.2	1.2	1.2	1.5	1.8	2.7	14.8	51.2	56.1	58.5	60.0
10°	2.4	2.7	2.7	2.7	6.6	56.7	67.5	69.9	72.3	73.6	73.2
12.5°	46.7	48.2	12.1	8.7	52.8	70.8	72.9	75.4	77.8	79.6	79.3
15°	96.2	98.6	94.7	98.0	104.0	76.9	78.7	133.2	144.4	146.5	146.8
17.5°	107.3	109.1	110.9	144.4	148.0	113.9	136.2	146.2	147.4	148.0	148.3
20°	204.4	203.5	164.6	158.3	156.7	197.7	144.7	147.4	176.3	200.8	202.0
22.5°	225.5	228.2	217.3	232.4	205.9	200.2	182.4	195.3	206.2	205.9	205.0
25°	292.4	296.0	249.3	241.8	246.9	198.9	227.6	195.0	198.0	198.3	200.2
27.5°	365.6	366.5	346.0	272.2	243.0	246.3	214.3	207.7	232.1	233.6	233.6
30°	398.2	403.9	365.6	315.3	251.7	232.7	207.7	226.4	215.5	217.3	217.3
32.5°	529.0	524.5	477.5	312.3	260.7	214.0	217.0	209.8	232.4	238.4	239.0
35°	563.4	554.0	480.2	349.1	243.3	218.5	198.3	213.1	213.1	212.8	211.3
37.5°	605.9	589.6	474.5	323.1	244.8	199.5	191.4	191.7	209.2	213.1	210.4
40°	656.2	631.8	473.6	301.7	221.9	189.0	175.7	184.5	184.2	179.1	176.0
42.5°	710.8	678.5	471.4	276.4	199.2	177.2	165.8	163.1	164.6	155.2	154.3
45°	774.7	726.8	465.4	254.1	181.2	164.6	151.6	147.4	148.0	140.8	139.0
47.5°	842.5	776.5	463.9	236.6	166.1	151.9	141.4	135.9	138.1	129.9	128.1
50°	918.2	827.7	458.8	220.3	149.5	140.2	132.3	126.0	126.3	120.0	118.5
52.5°	1000.5	877.5	453.1	198.0	134.4	130.2	125.7	120.9	126.3	117.9	116.1
55°	1084.9	938.1	445.5	172.1	120.9	122.7	118.2	121.8	129.6	116.4	113.9
57.5°	1178.6	995.0	431.4	143.8	110.0	114.2	117.3	122.1	128.4	116.1	111.5
60°	1267.5	1049.9	397.6	121.5	100.7	107.3	115.4	120.3	119.7	113.9	110.9
62.5°	1358.0	1095.1	335.2	104.3	92.8	104.0	112.7	114.8	112.1	110.0	108.2
65°	1407.7	1106.3	259.8	92.8	86.5	99.5	109.4	111.2	107.3	107.3	105.8
67.5°	1399.6	1070.4	191.7	83.5	81.1	95.0	103.7	107.9	105.2	107.3	104.9
69°	1367.0	1029.4	150.7	78.7	78.4	91.3	100.4	105.2	103.1	106.1	103.1
70°	1328.7	988.1	133.2	76.0	75.7	88.6	98.3	103.1	100.7	103.1	100.4
72.5°	1181.9	847.9	95.6	68.4	69.3	83.2	93.1	96.8	94.7	95.3	91.6
75°	945.0	630.3	75.7	62.1	63.0	76.9	87.4	89.5	88.0	85.3	83.2
77.5°	664.4	406.3	62.1	56.4	56.7	69.3	81.4	81.1	78.7	76.0	73.2
80°	362.3	191.1	52.8	49.4	50.3	61.8	72.6	71.7	68.7	66.0	62.7
82.5°	156.7	77.2	41.0	39.5	42.2	51.8	62.4	60.0	57.3	58.5	45.5
85°	28.0	26.5	23.8	25.3	28.6	36.8	44.0	41.9	40.4	34.4	31.7
87.5°	2.4	3.6	3.6	4.5	6.3	6.9	12.4	9.0	9.3	3.6	1.8
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)