

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: P414272

Luminaire Tested: **LXF.LXT-PA1-20-740-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414272
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-PA1-20-740-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2799 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 II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

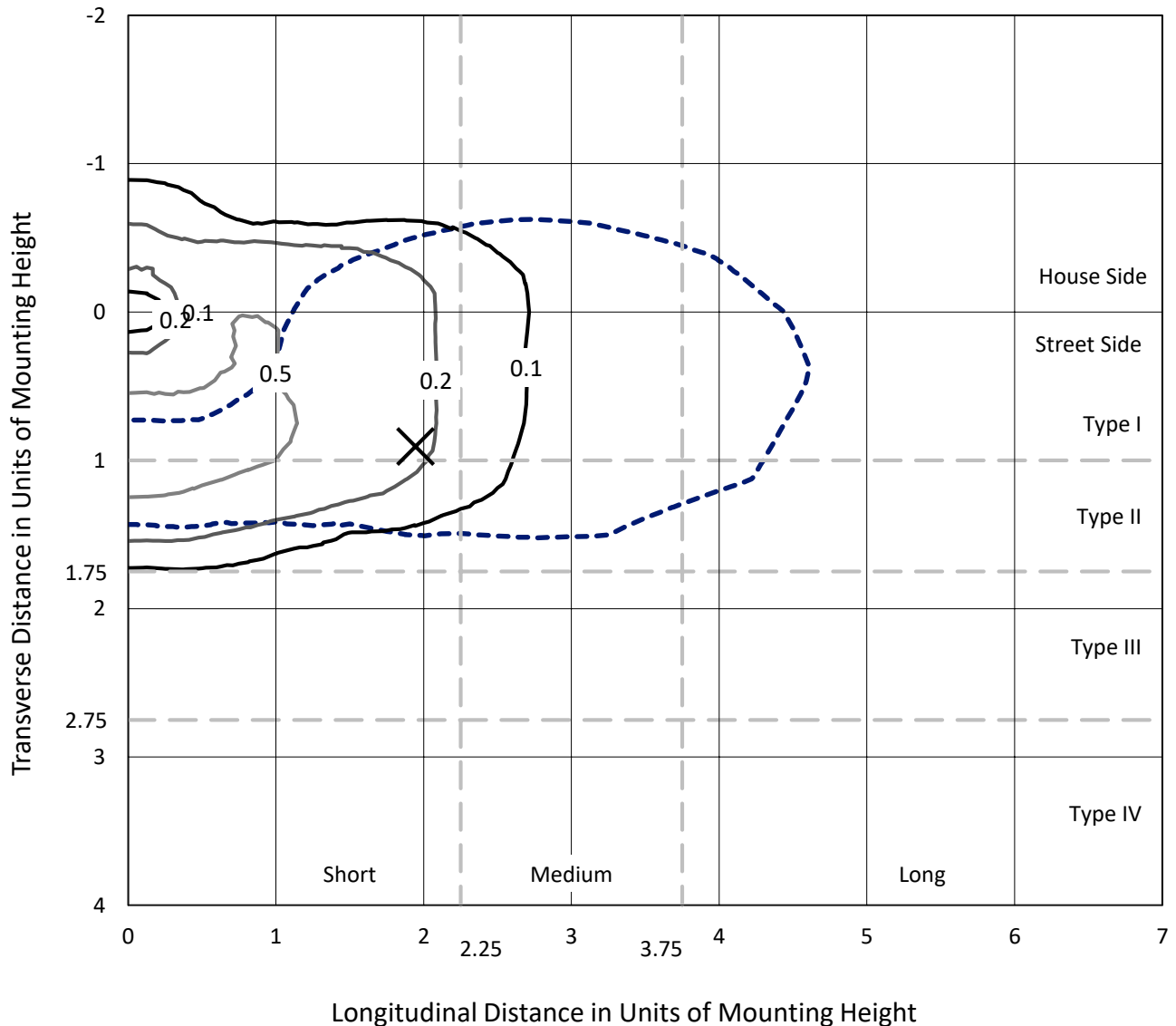
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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 CATALOG NUMBER: LXF.LXT-PA1-20-740-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

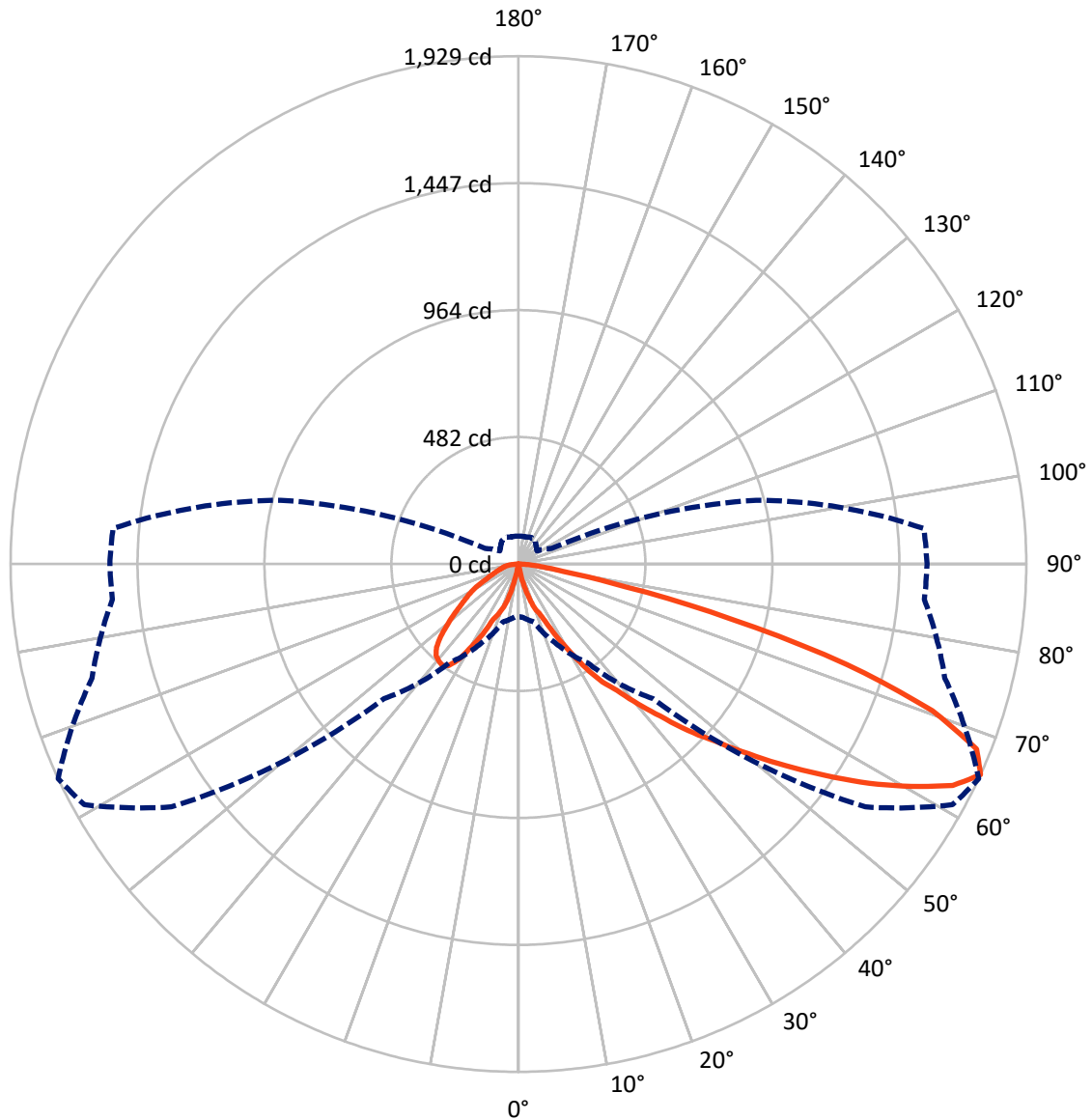
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P414272
CATALOG NUMBER: LXF.LXT-PA1-20-740-U-T2U

Luminous Intensity Polar Plot



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



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CATALOG NUMBER: LXF.LXT-PA1-20-740-U-T2U

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	755.2	0.0	755.2
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	2043.7	0.0	2043.7
	% Fixture	73.0	0.0	73.0
Total	Lumens	2799.0	0.0	2799.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.0	0.1
10°-20°	30.9	1.1
20°-30°	119.0	4.3
30°-40°	297.9	10.6
40°-50°	554.7	19.8
50°-60°	726.4	26.0
60°-70°	651.2	23.3
70°-80°	358.2	12.8
80°-90°	58.5	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°	2799.0	100.0
0°-180°	2799.0	100.0



REPORT NUMBER: P414272

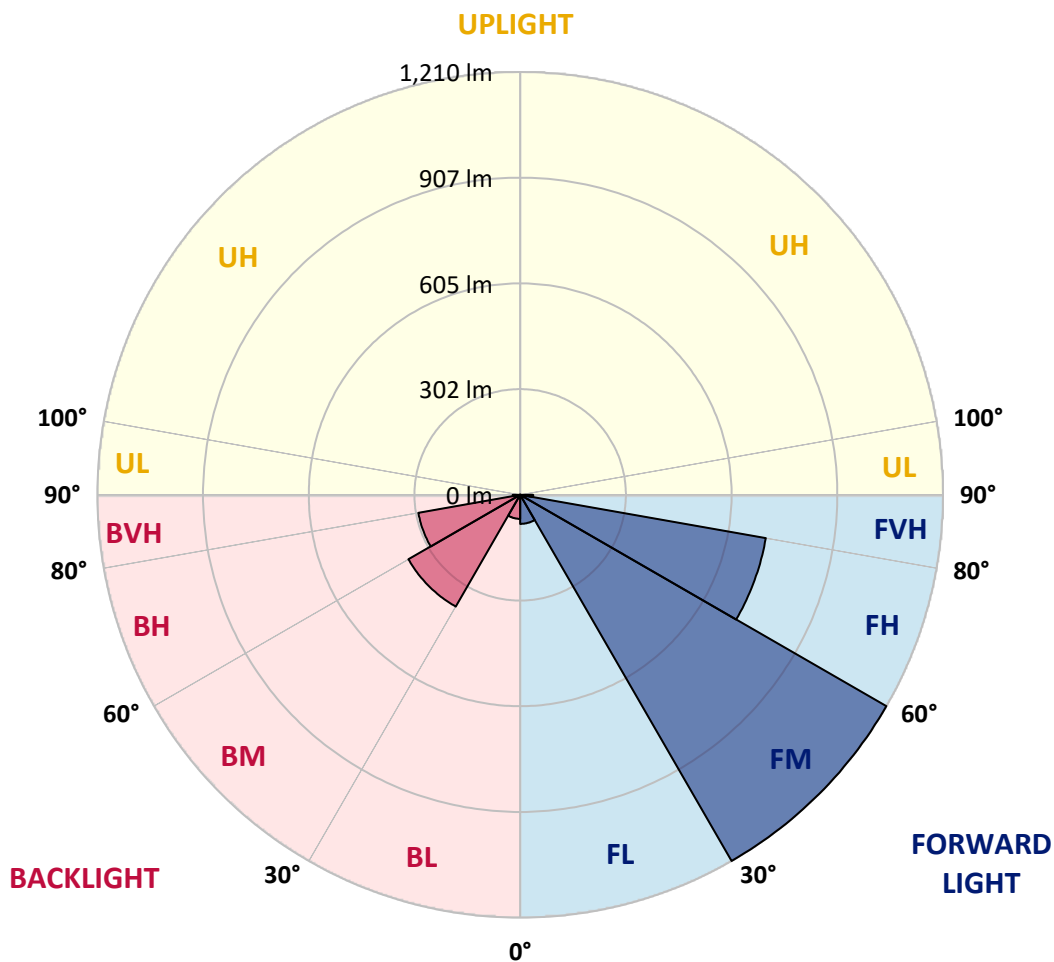
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	83.2	3.0			
FM	(30°-60°)	1209.8	43.2			
FH	(60°-80°)	713.6	25.5			G1/1800
FVH	(80°-90°)	37.1	1.3			G1/100
BL	(0°-30°)	68.8	2.5	B0/110		
BM	(30°-60°)	369.3	13.2	B1/1000		
BH	(60°-80°)	295.8	10.6	B1/500		G1/500
BVH	(80°-90°)	21.4	0.8			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 II Short





REPORT NUMBER: P414272

CATALOG NUMBER: LXF.LXT-PA1-20-740-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	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	1.5	1.8	2.1	2.1	1.8	1.5	1.2	0.9	0.6	0.6
5°	13.9	12.4	9.6	6.6	3.9	3.0	2.4	1.8	1.5	0.9	0.6
7.5°	67.8	67.5	67.2	67.5	66.0	25.9	4.8	3.0	2.4	1.2	0.9
10°	68.1	67.8	67.5	68.1	68.1	67.2	63.9	9.3	4.8	3.0	3.0
12.5°	121.2	116.9	80.8	71.1	68.7	68.7	68.7	61.5	58.5	43.1	52.1
15°	127.2	126.3	126.0	126.6	112.1	74.1	103.7	97.6	98.9	84.4	100.1
17.5°	133.8	132.3	131.1	131.4	126.3	145.6	136.2	139.2	140.4	106.7	116.9
20°	207.4	207.4	191.7	145.3	159.4	182.6	150.7	165.5	183.2	159.4	163.7
22.5°	235.4	233.3	231.2	219.1	200.4	199.2	219.1	192.0	203.7	234.2	216.4
25°	320.1	320.7	268.8	252.9	280.0	244.1	261.6	260.1	246.2	283.9	274.3
27.5°	405.1	406.3	400.5	356.5	320.1	314.0	297.8	321.0	317.4	314.9	337.5
30°	484.3	484.0	458.1	439.7	420.1	385.2	367.1	371.9	386.4	373.1	421.0
32.5°	673.9	668.8	641.0	524.4	494.3	461.4	456.3	442.7	471.7	462.3	506.6
35°	800.2	799.0	748.6	682.9	587.7	551.2	551.8	526.5	550.3	562.4	569.3
37.5°	1082.3	1078.0	1001.5	808.9	733.9	658.8	645.0	632.9	608.2	643.2	642.8
40°	1234.2	1222.1	1154.6	1027.7	861.7	771.2	742.3	716.4	698.6	719.1	716.4
42.5°	1352.3	1343.0	1295.3	1163.9	1028.3	958.1	850.2	825.5	789.6	814.0	801.4
45°	1437.0	1432.2	1389.7	1292.0	1188.1	1136.5	972.0	933.4	902.3	899.0	891.5
47.5°	1453.3	1443.0	1430.4	1375.5	1331.2	1315.8	1122.7	1056.0	1004.8	995.2	982.5
50°	1376.4	1373.4	1390.0	1380.0	1434.0	1469.8	1296.5	1204.3	1132.6	1098.5	1074.1
52.5°	1198.3	1204.6	1268.2	1312.5	1446.9	1577.1	1459.9	1370.7	1272.7	1197.7	1164.8
55°	952.1	975.0	1069.3	1161.5	1365.9	1623.6	1614.8	1544.6	1418.3	1308.6	1260.1
57.5°	731.2	728.7	850.2	934.0	1201.3	1592.5	1715.5	1695.6	1571.4	1423.7	1351.1
60°	473.8	471.7	615.1	722.4	925.8	1433.4	1767.6	1819.8	1715.2	1523.2	1433.1
62.5°	309.2	322.2	376.7	529.2	661.2	1108.5	1750.1	1896.9	1852.0	1615.4	1511.7
65°	198.9	203.7	227.5	329.7	458.4	723.0	1608.5	1885.5	1928.9	1676.9	1547.6
67.5°	148.3	149.5	160.9	204.9	311.9	377.9	1262.5	1726.3	1876.7	1681.1	1535.8
70°	130.2	132.6	143.8	154.6	232.1	237.8	738.1	1387.9	1667.6	1620.5	1476.5
72.5°	111.2	113.6	128.4	144.1	177.5	178.4	276.1	922.2	1305.6	1497.6	1381.2
75°	90.7	92.2	105.2	126.3	148.0	143.2	159.7	416.8	835.7	1244.7	1232.1
77.5°	73.2	74.4	83.8	100.7	131.1	109.7	119.0	178.7	415.3	898.7	998.2
80°	53.0	53.6	62.7	77.2	98.6	97.9	88.9	113.3	171.5	525.0	660.9
82.5°	33.8	33.8	43.1	50.6	65.4	96.7	62.4	76.2	95.8	261.3	318.0
85°	19.0	19.6	27.1	29.5	38.3	58.8	44.9	42.2	51.8	94.6	78.4
87.5°	3.6	4.5	7.8	8.4	9.9	13.9	16.3	14.8	15.4	22.0	13.0
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: P414272

CATALOG NUMBER: LXF.LXT-PA1-20-740-U-T2U

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°	0.6	0.9	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.9	0.9
5°	0.6	0.9	1.2	1.2	1.5	2.1	2.4	2.4	2.7	3.0	2.7
7.5°	0.6	0.9	1.2	1.8	2.4	4.8	17.5	61.8	66.3	67.2	68.4
10°	2.7	2.7	3.0	3.3	13.6	64.8	69.6	70.2	70.8	71.1	71.4
12.5°	53.0	52.4	52.1	40.1	61.8	71.4	72.3	72.9	73.8	88.0	95.2
15°	101.3	101.6	96.4	92.5	107.6	78.4	83.5	129.0	133.5	135.0	135.9
17.5°	116.0	121.2	107.6	142.9	141.7	119.3	131.4	138.3	138.9	139.8	140.1
20°	164.9	163.7	156.7	179.0	153.4	196.2	162.7	140.1	176.3	194.1	194.4
22.5°	214.0	214.3	204.3	206.7	220.6	201.9	163.0	185.0	189.6	189.3	188.4
25°	275.8	273.4	268.5	230.0	260.4	219.7	217.0	179.3	179.9	194.4	203.7
27.5°	337.2	331.2	312.2	298.1	270.3	244.4	204.9	194.1	209.2	208.3	208.6
30°	422.2	412.9	360.5	358.6	286.9	242.0	208.6	193.2	188.1	189.3	188.7
32.5°	507.2	490.4	443.0	427.7	305.9	225.4	191.4	178.4	193.2	195.3	194.1
35°	559.7	545.8	529.5	468.3	308.0	207.7	173.3	176.3	175.4	174.5	175.1
37.5°	620.8	598.2	584.1	482.2	290.5	185.4	165.2	162.7	177.2	177.5	176.3
40°	689.3	663.6	632.0	475.9	250.8	167.9	153.4	161.2	162.1	158.5	157.6
42.5°	766.4	729.0	682.0	467.4	208.0	157.6	148.9	149.8	150.4	146.5	145.0
45°	844.2	800.5	724.8	443.9	176.9	147.4	142.0	141.7	138.6	135.0	134.1
47.5°	931.3	880.0	760.1	402.9	154.9	139.5	137.4	131.7	132.6	129.3	129.0
50°	1021.1	965.9	780.3	353.8	140.4	132.9	129.3	127.5	129.9	126.0	125.4
52.5°	1109.1	1063.0	812.2	309.8	128.1	127.2	125.7	126.3	127.2	123.0	122.7
55°	1204.6	1171.5	841.5	267.9	117.2	119.3	124.5	124.2	123.9	120.0	120.0
57.5°	1292.3	1276.1	871.3	235.7	108.8	112.4	121.8	121.8	120.3	116.9	116.6
60°	1394.2	1382.1	899.6	206.7	101.6	106.1	118.4	118.7	116.0	113.6	113.0
62.5°	1486.7	1477.7	922.2	176.3	93.7	100.7	113.6	115.7	111.8	110.0	110.0
65°	1551.8	1545.5	934.6	138.6	86.2	95.2	108.5	111.5	106.4	106.1	106.1
67.5°	1557.5	1553.6	909.0	115.7	80.8	90.1	102.2	105.2	100.7	101.6	99.8
70°	1504.2	1475.6	836.3	96.4	75.3	83.5	94.6	98.3	93.7	94.0	91.0
72.5°	1391.5	1308.9	707.9	82.0	69.3	76.2	86.5	89.8	85.6	84.7	81.4
75°	1201.9	1074.4	492.8	71.1	63.0	68.4	76.6	79.9	77.2	72.6	71.7
77.5°	931.0	787.5	302.0	61.5	57.3	60.3	66.3	68.1	65.4	60.0	59.1
80°	586.8	472.3	145.6	53.3	49.7	51.2	55.2	56.7	54.6	49.1	46.1
82.5°	268.8	204.0	76.9	43.1	40.4	40.4	44.3	43.1	41.3	36.2	29.2
85°	62.7	64.5	35.6	26.5	25.6	22.9	26.5	26.2	23.5	18.1	15.1
87.5°	10.2	11.5	9.0	8.1	6.6	5.1	5.7	4.8	4.2	2.1	0.9
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)