

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: P415052

Luminaire Tested: **LXF.LXT-PA1-40-730-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415052
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-PA1-40-730-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4630 lumens
Efficiency: N/A
Efficacy: 115.8 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

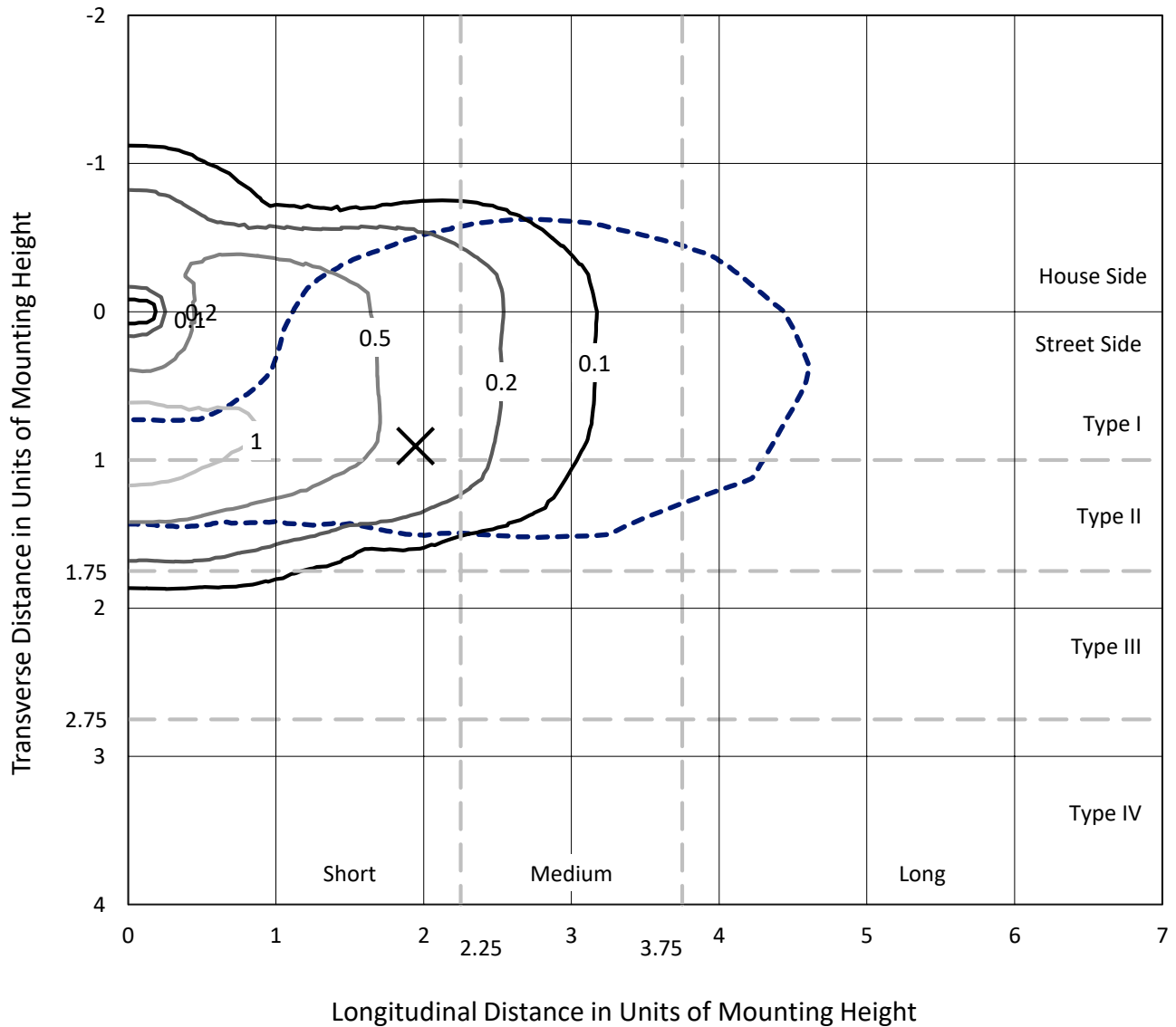
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

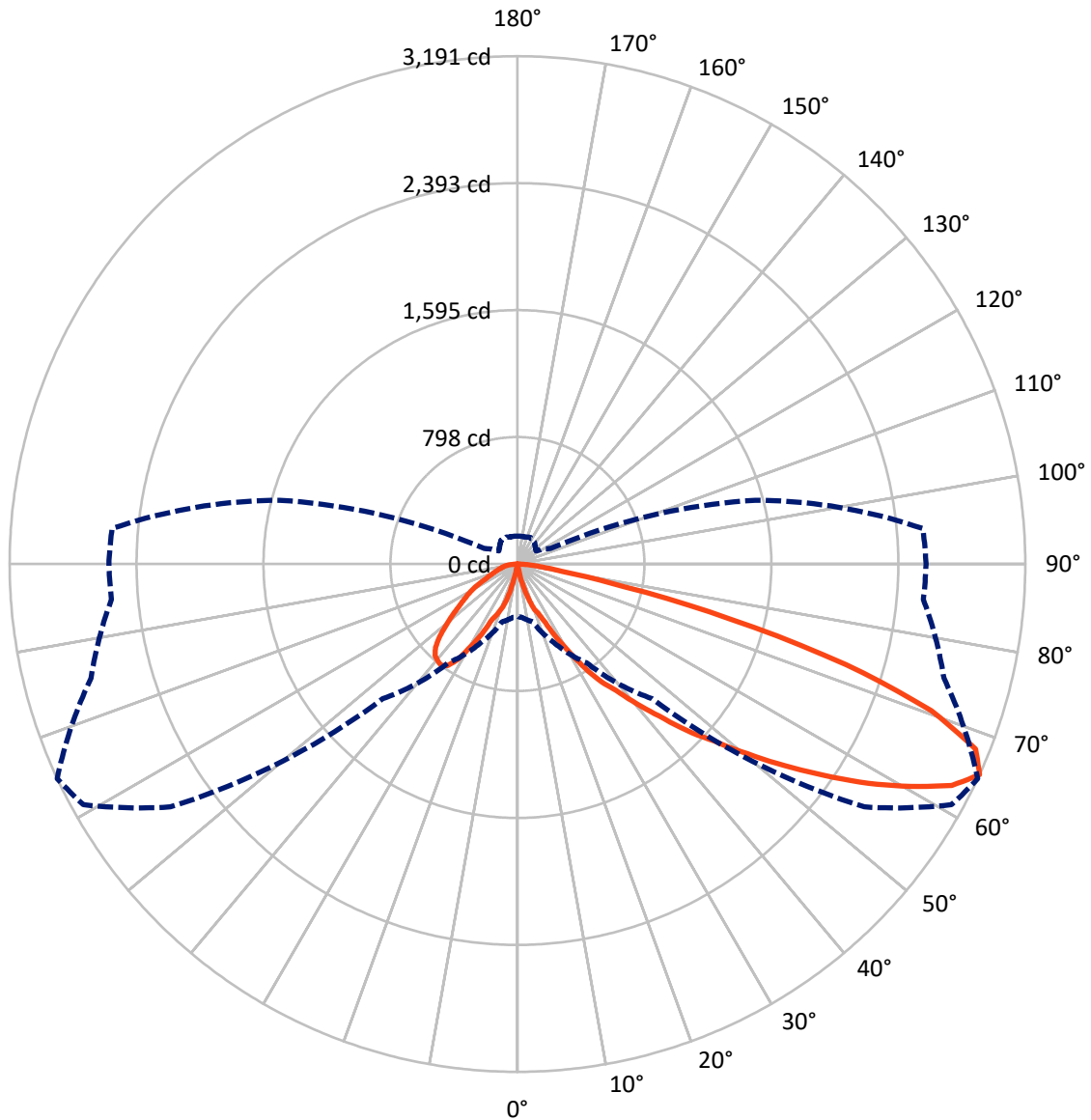
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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	1249.3	0.0	1249.3
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	3380.7	0.0	3380.7
	% Fixture	73.0	0.0	73.0
Total	Lumens	4630.0	0.0	4630.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	51.2	1.1
20°-30°	196.9	4.3
30°-40°	492.8	10.6
40°-50°	917.6	19.8
50°-60°	1201.6	26.0
60°-70°	1077.2	23.3
70°-80°	592.5	12.8
80°-90°	96.8	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°	4630.0	100.0
0°-180°	4630.0	100.0



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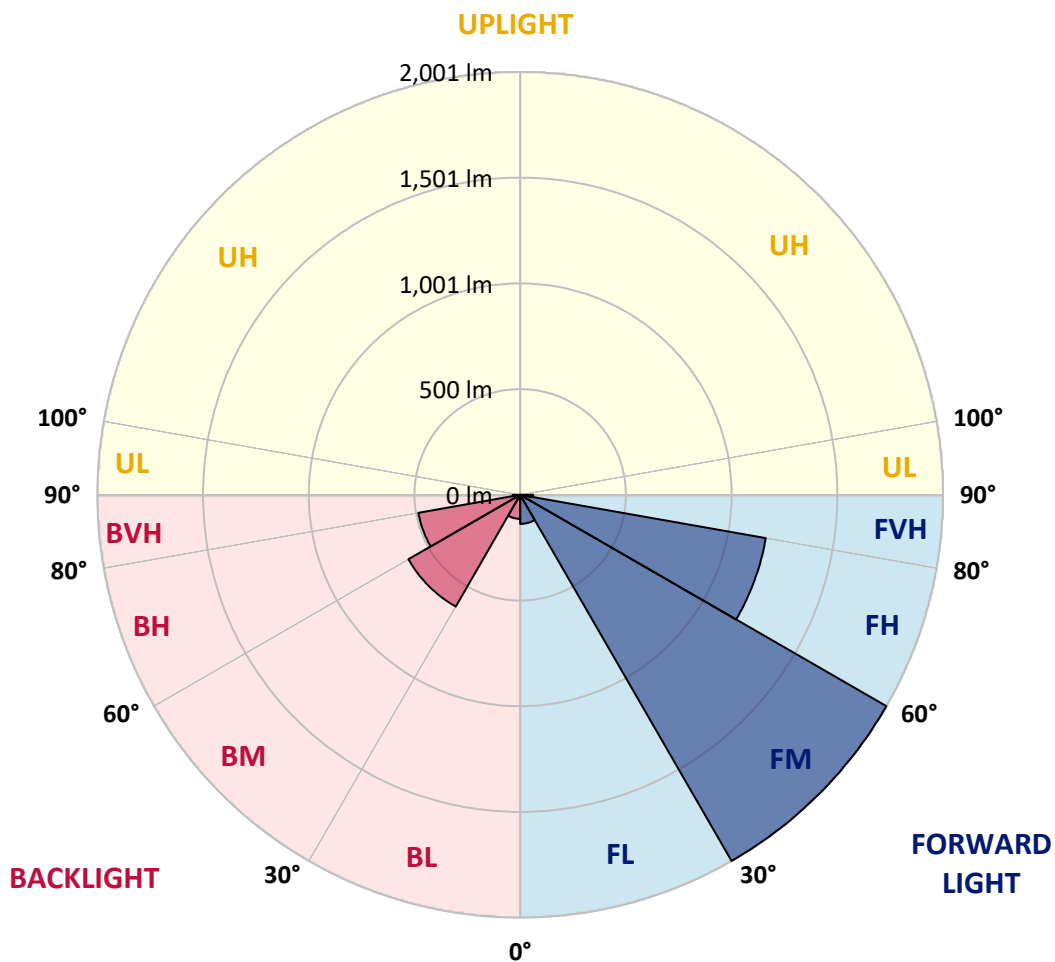
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	137.6	3.0			
FM (30°-60°)	2001.2	43.2			
FH (60°-80°)	1180.5	25.5			G1/1800
FVH (80°-90°)	61.4	1.3			G1/100
BL (0°-30°)	113.8	2.5	B1/500		
BM (30°-60°)	610.9	13.2	B1/1000		
BH (60°-80°)	489.2	10.6	B1/500		G1/500
BVH (80°-90°)	35.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	2.5	2.5	3.0	3.5	3.5	3.0	2.5	2.0	1.5	1.0	1.0
5°	22.9	20.4	16.0	11.0	6.5	5.0	4.0	3.0	2.5	1.5	1.0
7.5°	112.2	111.7	111.2	111.7	109.2	42.9	8.0	5.0	4.0	2.0	1.5
10°	112.7	112.2	111.7	112.7	112.7	111.2	105.7	15.5	8.0	5.0	5.0
12.5°	200.4	193.4	133.6	117.7	113.7	113.7	113.7	101.7	96.7	71.3	86.2
15°	210.4	208.9	208.4	209.4	185.5	122.6	171.5	161.5	163.5	139.6	165.5
17.5°	221.4	218.9	216.9	217.4	208.9	240.8	225.3	230.3	232.3	176.5	193.4
20°	343.0	343.0	317.1	240.3	263.7	302.1	249.3	273.7	303.1	263.7	270.7
22.5°	389.4	385.9	382.4	362.4	331.5	329.5	362.4	317.6	337.0	387.4	357.9
25°	529.4	530.4	444.7	418.3	463.1	403.8	432.7	430.2	407.3	469.6	453.7
27.5°	670.0	672.0	662.6	589.8	529.4	519.5	492.6	530.9	525.0	521.0	558.4
30°	801.1	800.6	757.8	727.4	695.0	637.1	607.2	615.2	639.1	617.2	696.5
32.5°	1114.7	1106.3	1060.4	867.5	817.6	763.3	754.8	732.3	780.2	764.8	838.0
35°	1323.6	1321.6	1238.4	1129.7	972.1	911.8	912.8	870.9	910.3	930.3	941.7
37.5°	1790.2	1783.3	1656.6	1338.1	1213.9	1089.8	1066.9	1046.9	1006.0	1063.9	1063.4
40°	2041.5	2021.6	1909.9	1700.0	1425.3	1275.8	1227.9	1185.0	1155.6	1189.5	1185.0
42.5°	2236.9	2221.5	2142.7	1925.3	1701.0	1584.8	1406.4	1365.5	1306.2	1346.5	1325.6
45°	2377.0	2369.0	2298.8	2137.2	1965.2	1880.0	1607.8	1544.0	1492.6	1487.1	1474.7
47.5°	2403.9	2387.0	2366.1	2275.3	2202.0	2176.6	1857.0	1746.9	1662.1	1646.2	1625.2
50°	2276.8	2271.8	2299.2	2282.8	2372.0	2431.4	2144.7	1992.2	1873.5	1817.2	1776.8
52.5°	1982.2	1992.6	2097.8	2171.1	2393.5	2608.8	2414.9	2267.3	2105.3	1981.2	1926.8
55°	1574.9	1612.8	1768.8	1921.4	2259.4	2685.6	2671.2	2555.0	2346.1	2164.6	2084.4
57.5°	1209.4	1205.5	1406.4	1545.0	1987.2	2634.3	2837.7	2804.8	2599.4	2355.1	2234.9
60°	783.7	780.2	1017.5	1195.0	1531.5	2371.0	2923.9	3010.2	2837.2	2519.6	2370.5
62.5°	511.5	532.9	623.2	875.4	1093.8	1833.6	2895.0	3137.8	3063.5	2672.2	2500.7
65°	329.0	337.0	376.4	545.4	758.3	1196.0	2660.7	3118.8	3190.6	2773.9	2560.0
67.5°	245.3	247.3	266.2	339.0	516.0	625.2	2088.4	2855.6	3104.4	2780.8	2540.5
70°	215.4	219.4	237.8	255.7	383.9	393.3	1220.9	2295.8	2758.4	2680.6	2442.3
72.5°	184.0	187.9	212.4	238.3	293.6	295.1	456.7	1525.5	2159.7	2477.2	2284.8
75°	150.1	152.6	174.0	208.9	244.8	236.8	264.2	689.5	1382.4	2059.0	2038.0
77.5°	121.1	123.1	138.6	166.5	216.9	181.5	196.9	295.6	687.0	1486.6	1651.2
80°	87.7	88.7	103.7	127.6	163.0	162.0	147.1	187.4	283.7	868.5	1093.3
82.5°	55.8	55.8	71.3	83.8	108.2	160.0	103.2	126.1	158.5	432.2	526.0
85°	31.4	32.4	44.9	48.9	63.3	97.2	74.3	69.8	85.7	156.5	129.6
87.5°	6.0	7.5	13.0	14.0	16.5	22.9	26.9	24.4	25.4	36.4	21.4
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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	1.0	1.5	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.5
5°	1.0	1.5	2.0	2.0	2.5	3.5	4.0	4.0	4.5	5.0	4.5
7.5°	1.0	1.5	2.0	3.0	4.0	8.0	28.9	102.2	109.7	111.2	113.2
10°	4.5	4.5	5.0	5.5	22.4	107.2	115.2	116.2	117.2	117.7	118.2
12.5°	87.7	86.7	86.2	66.3	102.2	118.2	119.6	120.6	122.1	145.6	157.5
15°	167.5	168.0	159.5	153.1	178.0	129.6	138.1	213.4	220.9	223.3	224.8
17.5°	191.9	200.4	178.0	236.3	234.3	197.4	217.4	228.8	229.8	231.3	231.8
20°	272.7	270.7	259.2	296.1	253.8	324.5	269.2	231.8	291.6	321.1	321.6
22.5°	354.0	354.5	338.0	342.0	364.9	334.0	269.7	306.1	313.6	313.1	311.6
25°	456.2	452.2	444.2	380.4	430.7	363.4	358.9	296.6	297.6	321.6	337.0
27.5°	557.9	547.9	516.5	493.1	447.2	404.3	339.0	321.1	346.0	344.5	345.0
30°	698.4	683.0	596.2	593.3	474.6	400.3	345.0	319.6	311.1	313.1	312.1
32.5°	839.0	811.1	732.8	707.4	506.0	372.9	316.6	295.1	319.6	323.1	321.1
35°	925.8	902.8	875.9	774.7	509.5	343.5	286.7	291.6	290.1	288.7	289.6
37.5°	1027.0	989.6	966.2	797.7	480.6	306.6	273.2	269.2	293.1	293.6	291.6
40°	1140.2	1097.8	1045.4	787.2	414.8	277.7	253.8	266.7	268.2	262.2	260.7
42.5°	1267.8	1206.0	1128.2	773.2	344.0	260.7	246.3	247.8	248.8	242.3	239.8
45°	1396.4	1324.1	1199.0	734.3	292.6	243.8	234.8	234.3	229.3	223.3	221.8
47.5°	1540.5	1455.7	1257.3	666.5	256.2	230.8	227.3	217.9	219.4	213.9	213.4
50°	1689.0	1597.8	1290.7	585.3	232.3	219.9	213.9	210.9	214.9	208.4	207.4
52.5°	1834.6	1758.3	1343.6	512.5	211.9	210.4	207.9	208.9	210.4	203.4	202.9
55°	1992.6	1937.8	1391.9	443.2	193.9	197.4	205.9	205.4	204.9	198.4	198.4
57.5°	2137.7	2110.8	1441.3	389.9	180.0	186.0	201.4	201.4	198.9	193.4	192.9
60°	2306.2	2286.3	1488.1	342.0	168.0	175.5	195.9	196.4	191.9	187.9	187.0
62.5°	2459.3	2444.3	1525.5	291.6	155.0	166.5	187.9	191.4	185.0	182.0	182.0
65°	2567.0	2556.5	1546.0	229.3	142.6	157.5	179.5	184.5	176.0	175.5	175.5
67.5°	2576.4	2570.0	1503.6	191.4	133.6	149.1	169.0	174.0	166.5	168.0	165.0
70°	2488.2	2440.8	1383.4	159.5	124.6	138.1	156.5	162.5	155.0	155.5	150.6
72.5°	2301.7	2165.1	1171.1	135.6	114.7	126.1	143.1	148.6	141.6	140.1	134.6
75°	1988.2	1777.3	815.1	117.7	104.2	113.2	126.6	132.1	127.6	120.1	118.7
77.5°	1540.0	1302.7	499.5	101.7	94.7	99.7	109.7	112.7	108.2	99.2	97.7
80°	970.7	781.2	240.8	88.2	82.3	84.8	91.2	93.7	90.2	81.3	76.3
82.5°	444.7	337.5	127.1	71.3	66.8	66.8	73.3	71.3	68.3	59.8	48.4
85°	103.7	106.7	58.8	43.9	42.4	37.9	43.9	43.4	38.9	29.9	24.9
87.5°	17.0	18.9	15.0	13.5	11.0	8.5	9.5	8.0	7.0	3.5	1.5
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)