

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: P415061

Luminaire Tested: **LXF.LXT-PA1-40-730-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415061
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-PA1-40-730-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4631 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 IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

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

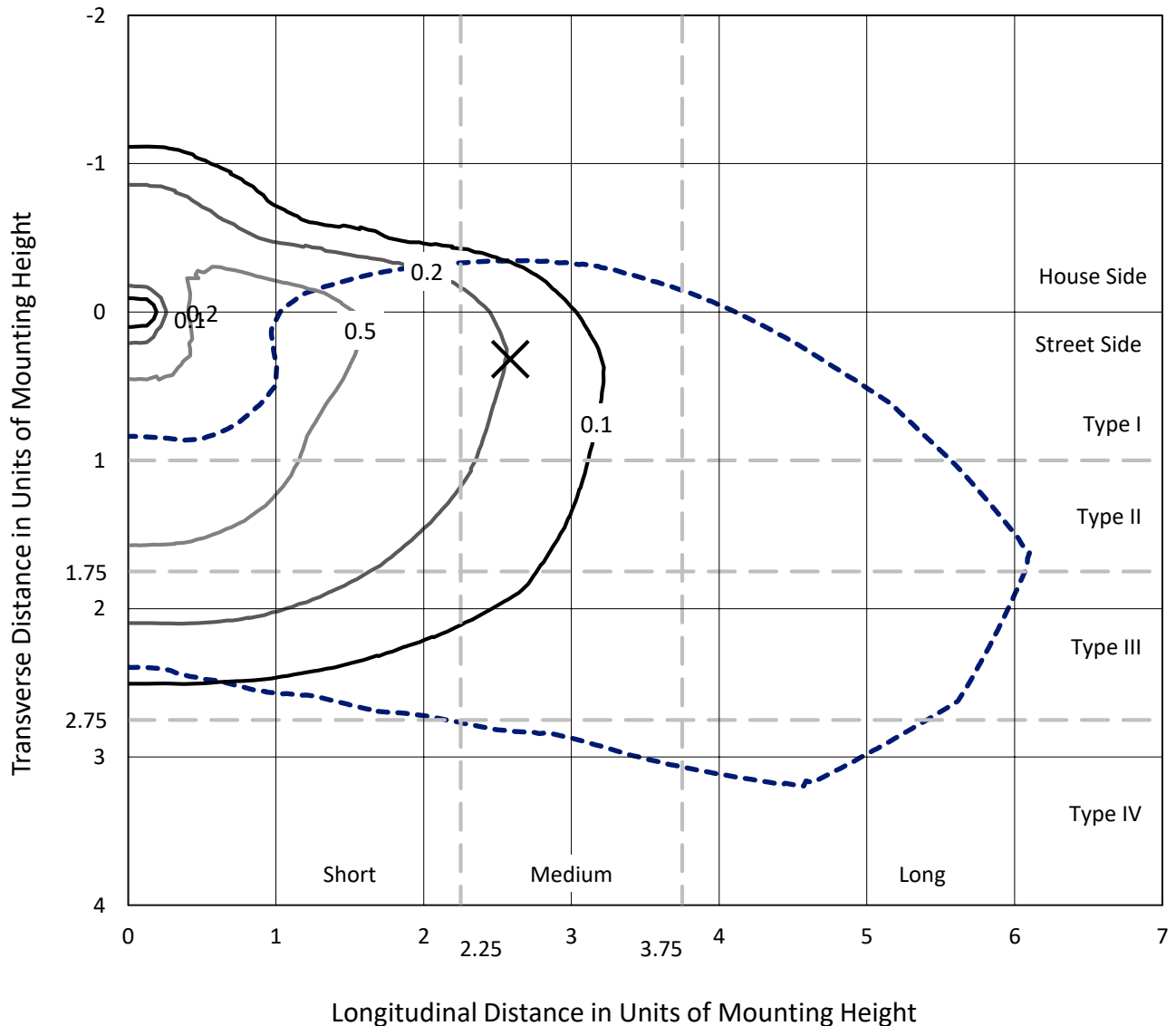


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

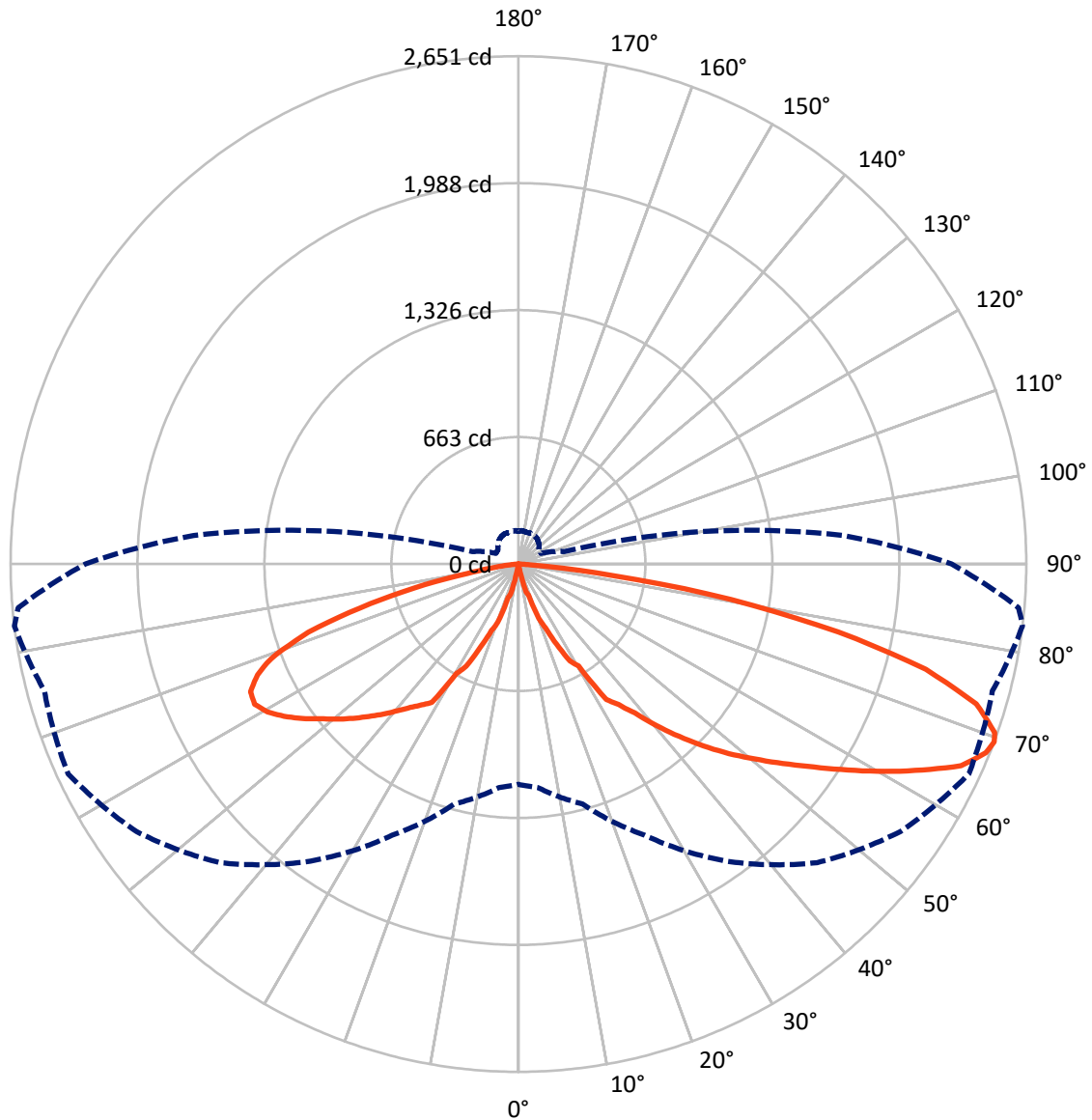


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

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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	982.3	0.0	982.3
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	3648.7	0.0	3648.7
	% Fixture	78.8	0.0	78.8
Total	Lumens	4631.0	0.0	4631.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.0	0.1
10°-20°	47.1	1.0
20°-30°	185.7	4.0
30°-40°	413.3	8.9
40°-50°	701.8	15.2
50°-60°	1045.8	22.6
60°-70°	1231.6	26.6
70°-80°	862.1	18.6
80°-90°	140.7	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°	4631.0	100.0
0°-180°	4631.0	100.0

Coefficient of Utilization



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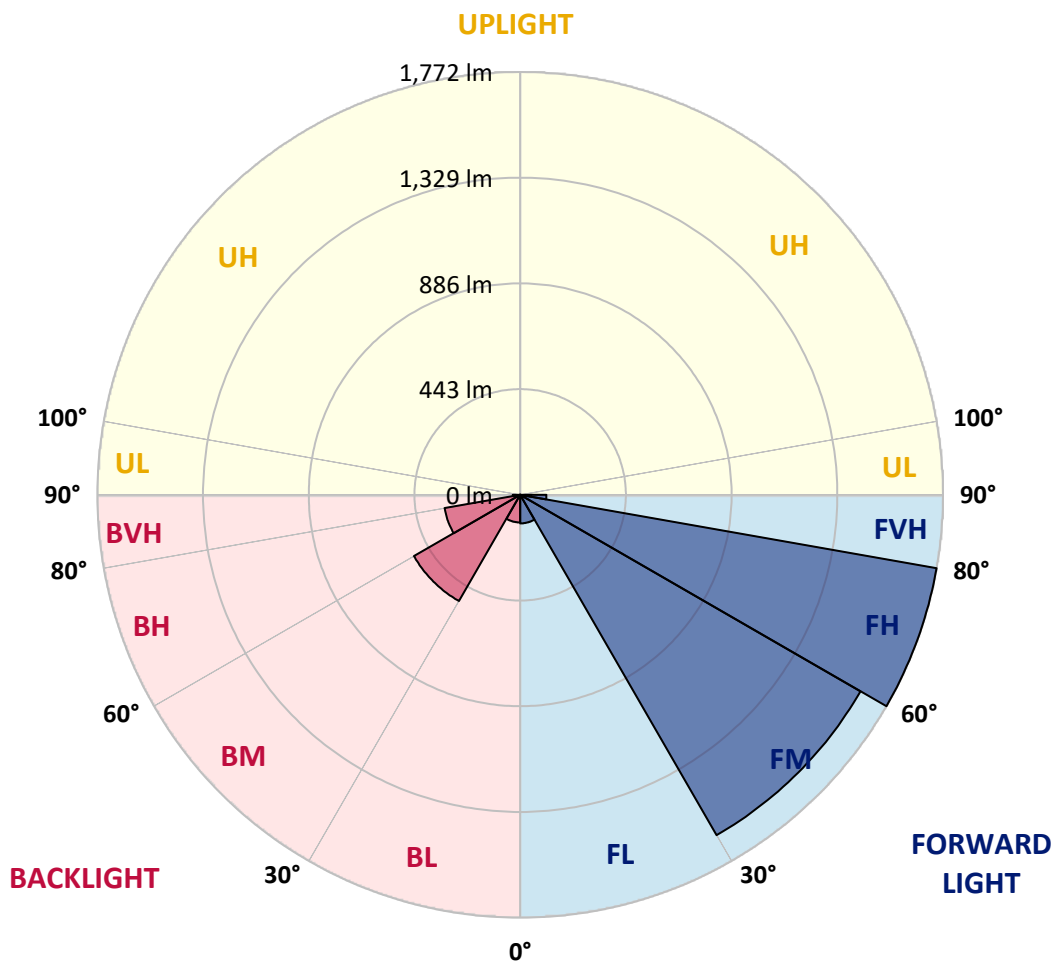
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	119.9	2.6			
FM (30°-60°)	1646.8	35.6			
FH (60°-80°)	1772.0	38.3			G1/1800
FVH (80°-90°)	110.0	2.4			G2/225
BL (0°-30°)	115.8	2.5	B1/500		
BM (30°-60°)	514.0	11.1	B1/1000		
BH (60°-80°)	321.7	6.9	B1/500		G1/500
BVH (80°-90°)	30.7	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-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	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	2.0	2.5	3.0	3.0	2.5	2.0	2.0	2.0	2.0	1.5
5°	40.4	29.4	26.4	23.4	14.0	5.0	3.0	2.0	2.0	2.0	2.0
7.5°	85.3	85.3	85.3	85.8	85.3	63.3	15.0	3.5	2.0	2.0	2.0
10°	86.2	85.8	85.3	85.8	86.7	87.2	84.3	12.0	5.0	4.5	4.5
12.5°	156.0	155.0	149.6	104.7	88.7	89.2	91.2	65.8	23.9	63.3	73.8
15°	165.5	164.5	164.5	165.0	156.5	97.2	137.1	179.5	127.6	152.6	155.0
17.5°	185.5	180.0	175.5	172.5	173.5	193.4	194.4	198.4	148.6	171.0	174.0
20°	284.2	282.2	266.2	203.9	190.4	251.3	223.8	220.4	278.2	302.1	307.1
22.5°	324.6	322.6	311.1	300.1	313.1	273.7	318.6	328.5	376.9	362.4	366.9
25°	440.7	439.2	375.4	347.5	381.9	314.6	393.4	376.4	416.3	464.2	469.1
27.5°	539.4	535.9	523.0	468.6	426.3	471.6	435.2	503.0	565.4	573.3	588.3
30°	640.6	617.7	577.8	579.8	525.0	520.0	518.5	603.7	605.7	618.2	643.6
32.5°	806.2	795.7	762.3	659.1	647.1	577.8	638.1	643.6	791.2	843.1	848.0
35°	938.8	893.9	862.5	804.2	713.4	735.9	710.9	809.6	868.0	901.4	921.8
37.5°	1150.2	1156.1	1104.8	892.4	835.6	809.6	853.0	906.4	979.2	987.1	1018.0
40°	1302.2	1298.2	1228.9	1072.4	945.3	918.8	947.7	1000.1	1098.8	1108.8	1116.3
42.5°	1523.6	1504.1	1407.4	1231.4	1113.8	1057.9	1065.9	1087.8	1186.6	1230.9	1221.9
45°	1728.5	1715.5	1617.8	1400.9	1273.3	1208.0	1196.0	1176.6	1295.2	1354.6	1338.1
47.5°	1889.0	1866.1	1810.2	1589.4	1491.2	1380.0	1320.2	1284.8	1402.9	1478.7	1455.8
50°	2061.0	2026.1	1975.8	1776.3	1679.6	1580.4	1448.8	1404.4	1524.1	1599.4	1580.9
52.5°	2175.2	2120.8	2089.4	1942.9	1853.6	1766.9	1573.9	1544.0	1657.2	1729.5	1725.5
55°	2117.8	2115.9	2147.8	2055.0	1968.3	1876.5	1704.0	1702.6	1796.3	1870.6	1874.1
57.5°	2018.1	2028.6	2119.3	2133.3	2096.4	1988.7	1865.1	1880.0	1959.8	2028.6	2036.1
60°	1891.0	1919.9	2050.5	2124.3	2153.7	2100.4	2020.1	2043.1	2138.3	2197.6	2195.6
62.5°	1723.0	1746.4	1909.0	2076.0	2135.8	2186.1	2163.2	2237.0	2312.3	2368.1	2382.6
65°	1524.6	1534.0	1710.0	1935.4	2089.9	2230.0	2282.9	2417.0	2453.4	2539.1	2542.1
67.5°	1304.7	1307.7	1460.8	1729.5	1990.2	2226.5	2384.6	2550.1	2540.6	2631.9	2624.9
69°	1150.2	1171.6	1297.2	1562.0	1893.5	2205.1	2434.9	2594.0	2562.1	2651.3	2620.9
70°	1041.5	1040.0	1183.6	1419.9	1808.2	2177.7	2466.8	2605.4	2562.6	2637.8	2592.0
72.5°	663.6	673.5	797.7	1007.6	1457.3	2019.1	2506.2	2575.0	2507.7	2500.2	2402.0
75°	293.1	266.2	344.0	533.4	916.3	1570.4	2411.5	2437.9	2351.7	2197.6	2029.1
77.5°	102.7	106.7	129.6	216.9	441.2	935.8	1998.7	2144.8	2077.0	1706.5	1518.6
80°	73.3	73.8	86.7	121.1	213.9	330.0	1272.3	1551.5	1598.4	1125.2	967.2
82.5°	51.8	51.8	64.3	77.3	148.1	147.6	547.4	853.5	911.9	499.0	373.4
85°	43.4	44.4	49.4	44.9	86.7	75.3	135.1	263.2	215.9	60.8	53.3
87.5°	6.5	6.0	17.0	15.0	13.0	11.0	15.0	17.0	11.5	9.0	6.5
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°	2.0	2.0	2.0	2.0	1.5	1.0	1.0	1.0	1.5	1.5	1.5
5°	2.0	2.0	2.0	2.0	2.0	2.0	2.5	3.5	4.0	4.5	4.5
7.5°	2.0	2.0	2.0	2.5	3.0	4.5	24.4	84.8	92.7	96.7	99.2
10°	4.0	4.5	4.5	4.5	11.0	93.7	111.7	115.7	119.7	121.6	121.1
12.5°	77.3	79.8	19.9	14.5	87.2	117.2	120.6	124.6	128.6	131.6	131.1
15°	159.0	163.0	156.5	162.0	172.0	127.1	130.1	220.4	238.8	242.3	242.8
17.5°	177.5	180.5	183.5	238.8	244.8	188.5	225.3	241.8	243.8	244.8	245.3
20°	338.0	336.5	272.2	261.7	259.2	327.0	239.3	243.8	291.7	332.0	334.0
22.5°	372.9	377.4	359.5	384.4	340.5	331.0	301.6	323.1	341.0	340.5	339.0
25°	483.6	489.6	412.3	399.8	408.3	329.0	376.4	322.6	327.5	328.0	331.0
27.5°	604.7	606.2	572.3	450.2	401.8	407.3	354.5	343.5	383.9	386.4	386.4
30°	658.6	668.1	604.7	521.5	416.3	384.9	343.5	374.4	356.5	359.5	359.5
32.5°	875.0	867.5	789.7	516.5	431.2	354.0	359.0	347.0	384.4	394.4	395.4
35°	931.8	916.3	794.2	577.3	402.3	361.4	328.0	352.5	352.5	352.0	349.5
37.5°	1002.1	975.2	784.7	534.4	404.8	330.0	316.6	317.1	346.0	352.5	348.0
40°	1085.3	1045.0	783.2	499.0	366.9	312.6	290.7	305.1	304.6	296.1	291.2
42.5°	1175.6	1122.2	779.7	457.2	329.5	293.1	274.2	269.7	272.2	256.8	255.3
45°	1281.3	1202.0	769.8	420.3	299.6	272.2	250.8	243.8	244.8	232.8	229.8
47.5°	1393.5	1284.3	767.3	391.4	274.7	251.3	233.8	224.8	228.3	214.9	211.9
50°	1518.6	1369.0	758.8	364.4	247.3	231.8	218.9	208.4	208.9	198.4	195.9
52.5°	1654.7	1451.3	749.3	327.5	222.4	215.4	207.9	199.9	208.9	194.9	191.9
55°	1794.3	1551.5	736.9	284.7	199.9	202.9	195.4	201.4	214.4	192.4	188.5
57.5°	1949.3	1645.7	713.4	237.8	182.0	189.0	193.9	201.9	212.4	191.9	184.5
60°	2096.4	1736.5	657.6	200.9	166.5	177.5	190.9	198.9	197.9	188.5	183.5
62.5°	2246.0	1811.2	554.4	172.5	153.6	172.0	186.5	189.9	185.5	182.0	179.0
65°	2328.2	1829.7	429.8	153.6	143.1	164.5	181.0	184.0	177.5	177.5	175.0
67.5°	2314.8	1770.4	317.1	138.1	134.1	157.0	171.5	178.5	174.0	177.5	173.5
69°	2260.9	1702.6	249.3	130.1	129.6	151.1	166.0	174.0	170.5	175.5	170.5
70°	2197.6	1634.3	220.4	125.6	125.1	146.6	162.5	170.5	166.5	170.5	166.0
72.5°	1954.8	1402.4	158.0	113.2	114.7	137.6	154.1	160.0	156.5	157.5	151.6
75°	1563.0	1042.5	125.1	102.7	104.2	127.1	144.6	148.1	145.6	141.1	137.6
77.5°	1098.8	672.0	102.7	93.2	93.7	114.7	134.6	134.1	130.1	125.6	121.1
80°	599.3	316.1	87.2	81.8	83.3	102.2	120.2	118.7	113.7	109.2	103.7
82.5°	259.2	127.6	67.8	65.3	69.8	85.8	103.2	99.2	94.7	96.7	75.3
85°	46.4	43.9	39.4	41.9	47.4	60.8	72.8	69.3	66.8	56.8	52.3
87.5°	4.0	6.0	6.0	7.5	10.5	11.5	20.4	15.0	15.5	6.0	3.0
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)