

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: P415685

Luminaire Tested: **LXF.LXT-PA1-50-827-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415685
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-PA1-50-827-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4821 lumens
Efficiency: N/A
Efficacy: 89.3 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 - G2

Input Watts (W): 54
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

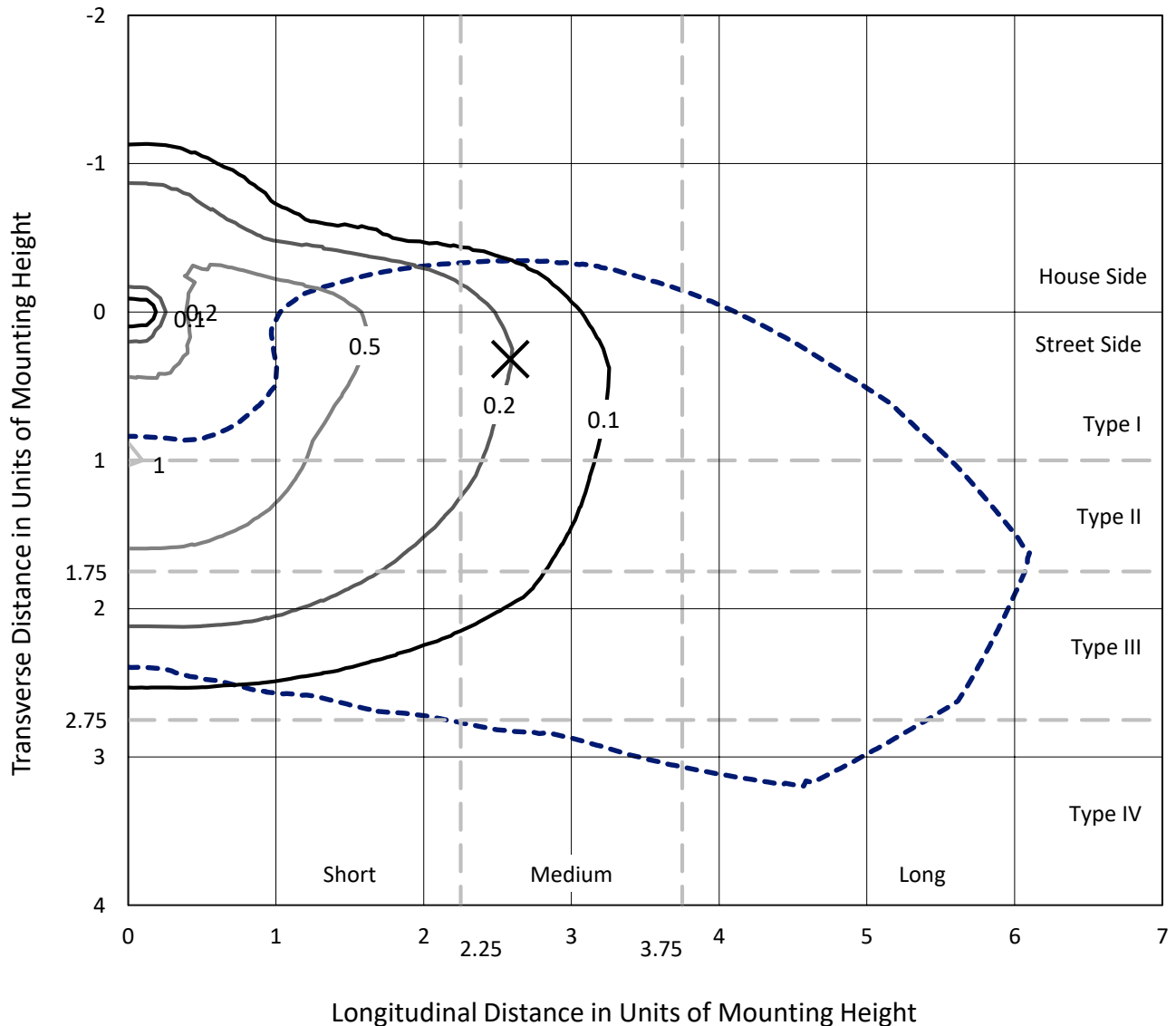


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

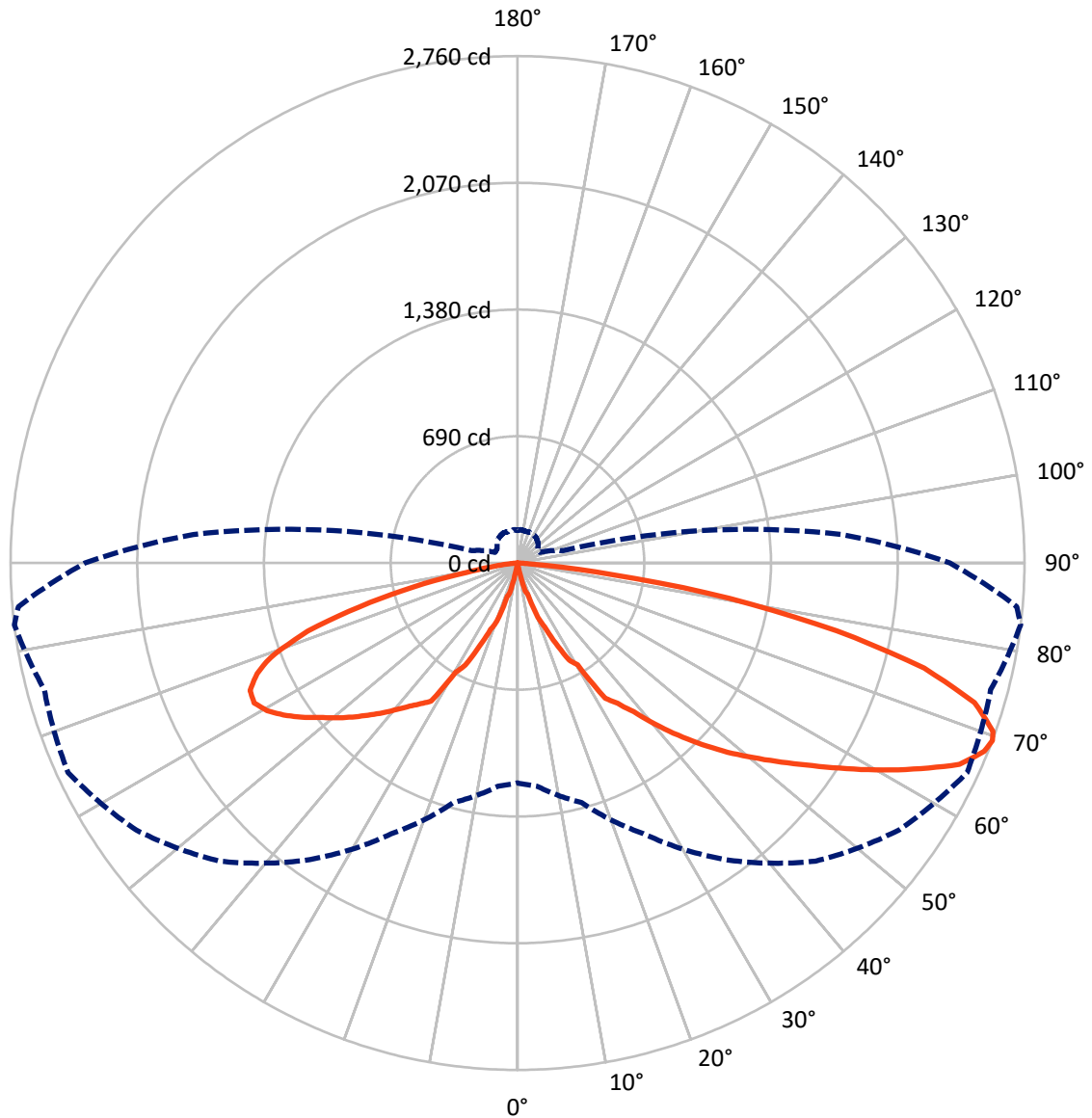


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Medium - Non-Cutoff

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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	1022.6	0.0	1022.6
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	3798.4	0.0	3798.4
	% Fixture	78.8	0.0	78.8
Total	Lumens	4821.0	0.0	4821.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.1
10°-20°	49.0	1.0
20°-30°	193.3	4.0
30°-40°	430.2	8.9
40°-50°	730.6	15.2
50°-60°	1088.7	22.6
60°-70°	1282.1	26.6
70°-80°	897.4	18.6
80°-90°	146.5	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°	4821.0	100.0
0°-180°	4821.0	100.0

Coefficient of Utilization



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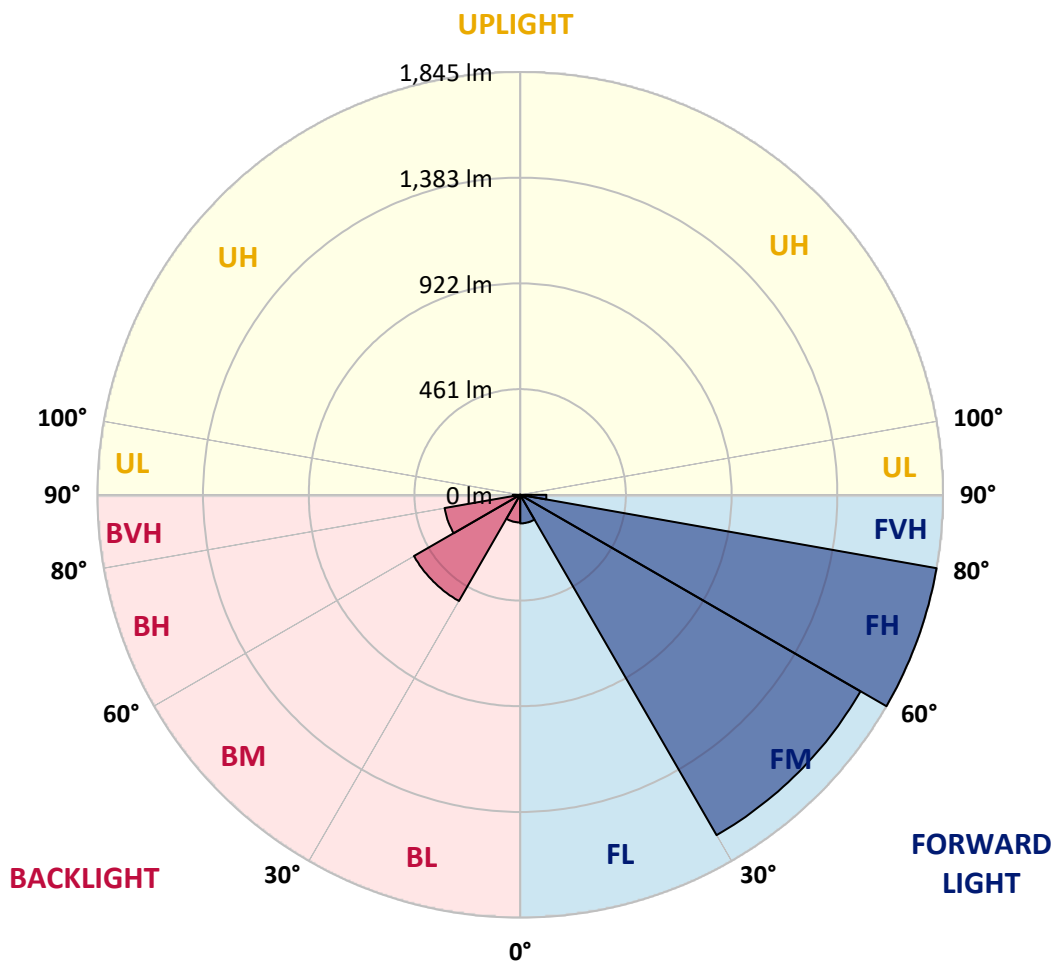
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	124.8	2.6			
FM	(30°-60°)	1714.4	35.6			
FH	(60°-80°)	1844.7	38.3			G2/5000
FVH	(80°-90°)	114.5	2.4			G2/225
BL	(0°-30°)	120.6	2.5	B1/500		
BM	(30°-60°)	535.1	11.1	B1/1000		
BH	(60°-80°)	334.9	6.9	B1/500		G1/500
BVH	(80°-90°)	32.0	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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	2.6	2.1	2.6	3.1	3.1	2.6	2.1	2.1	2.1	2.1	1.6
5°	42.0	30.6	27.5	24.4	14.5	5.2	3.1	2.1	2.1	2.1	2.1
7.5°	88.7	88.7	88.7	89.3	88.7	65.9	15.6	3.6	2.1	2.1	2.1
10°	89.8	89.3	88.7	89.3	90.3	90.8	87.7	12.5	5.2	4.7	4.7
12.5°	162.4	161.4	155.7	109.0	92.4	92.9	95.0	68.5	24.9	65.9	76.8
15°	172.3	171.3	171.3	171.8	163.0	101.2	142.7	186.8	132.9	158.8	161.4
17.5°	193.1	187.4	182.7	179.6	180.6	201.4	202.4	206.6	154.7	178.0	181.1
20°	295.8	293.8	277.1	212.3	198.3	261.6	233.0	229.4	289.6	314.5	319.7
22.5°	337.9	335.8	323.9	312.4	325.9	284.9	331.6	342.0	392.4	377.3	382.0
25°	458.8	457.2	390.8	361.7	397.6	327.5	409.5	391.8	433.4	483.2	488.4
27.5°	561.6	557.9	544.4	487.9	443.7	491.0	453.1	523.7	588.6	596.9	612.4
30°	666.9	643.0	601.5	603.6	546.5	541.3	539.8	628.5	630.6	643.6	670.0
32.5°	839.2	828.3	793.6	686.1	673.7	601.5	664.3	670.0	823.7	877.6	882.8
35°	977.3	930.6	897.9	837.2	742.7	766.1	740.1	842.9	903.6	938.4	959.6
37.5°	1197.3	1203.6	1150.1	929.0	869.9	842.9	888.0	943.6	1019.3	1027.6	1059.8
40°	1355.6	1351.5	1279.3	1116.4	984.0	956.5	986.6	1041.1	1143.9	1154.3	1162.1
42.5°	1586.1	1565.8	1465.2	1281.9	1159.5	1101.3	1109.6	1132.5	1235.2	1281.4	1272.1
45°	1799.4	1785.9	1684.2	1458.4	1325.5	1257.6	1245.1	1224.9	1348.4	1410.1	1393.0
47.5°	1966.5	1942.6	1884.5	1654.6	1552.3	1436.6	1374.3	1337.5	1460.5	1539.4	1515.5
50°	2145.6	2109.2	2056.8	1849.2	1748.5	1645.2	1508.2	1462.0	1586.6	1665.0	1645.8
52.5°	2264.4	2207.9	2175.2	2022.6	1929.7	1839.4	1638.5	1607.4	1725.2	1800.4	1796.3
55°	2204.7	2202.7	2235.9	2139.3	2049.0	1953.5	1774.0	1772.4	1870.0	1947.3	1950.9
57.5°	2100.9	2111.8	2206.3	2220.8	2182.4	2070.3	1941.6	1957.2	2040.2	2111.8	2119.6
60°	1968.6	1998.7	2134.7	2211.5	2242.1	2186.6	2103.0	2126.9	2226.0	2287.8	2285.7
62.5°	1793.7	1818.1	1987.3	2161.1	2223.4	2275.8	2252.0	2328.8	2407.1	2465.3	2480.3
65°	1587.1	1597.0	1780.2	2014.8	2175.7	2321.5	2376.5	2516.1	2554.0	2643.3	2646.4
67.5°	1358.2	1361.4	1520.7	1800.4	2071.9	2317.9	2482.4	2654.7	2644.9	2739.8	2732.6
69°	1197.3	1219.7	1350.5	1626.0	1971.2	2295.6	2534.8	2700.4	2667.2	2760.1	2728.4
70°	1084.2	1082.6	1232.1	1478.1	1882.4	2267.0	2568.0	2712.3	2667.7	2746.1	2698.3
72.5°	690.8	701.2	830.4	1048.9	1517.1	2102.0	2609.0	2680.7	2610.6	2602.8	2500.6
75°	305.2	277.1	358.1	555.3	953.9	1634.9	2510.4	2537.9	2448.2	2287.8	2112.4
77.5°	106.9	111.1	134.9	225.8	459.3	974.2	2080.7	2232.8	2162.2	1776.6	1580.9
80°	76.3	76.8	90.3	126.1	222.7	343.6	1324.5	1615.1	1663.9	1171.4	1006.9
82.5°	54.0	54.0	67.0	80.4	154.1	153.6	569.9	888.5	949.3	519.5	388.7
85°	45.2	46.2	51.4	46.7	90.3	78.4	140.7	274.0	224.7	63.3	55.5
87.5°	6.7	6.2	17.6	15.6	13.5	11.4	15.6	17.6	11.9	9.3	6.7
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°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
2.5°	2.1	2.1	2.1	2.1	1.6	1.0	1.0	1.0	1.6	1.6	1.6
5°	2.1	2.1	2.1	2.1	2.1	2.1	2.6	3.6	4.2	4.7	4.7
7.5°	2.1	2.1	2.1	2.6	3.1	4.7	25.4	88.2	96.5	100.7	103.3
10°	4.2	4.7	4.7	4.7	11.4	97.6	116.3	120.4	124.6	126.6	126.1
12.5°	80.4	83.0	20.8	15.1	90.8	122.0	125.6	129.8	133.9	137.0	136.5
15°	165.6	169.7	163.0	168.7	179.1	132.3	135.5	229.4	248.6	252.2	252.8
17.5°	184.8	187.9	191.0	248.6	254.8	196.2	234.6	251.7	253.8	254.8	255.4
20°	351.9	350.3	283.4	272.5	269.9	340.5	249.1	253.8	303.6	345.7	347.7
22.5°	388.2	392.9	374.2	400.2	354.5	344.6	314.0	336.3	355.0	354.5	352.9
25°	503.4	509.7	429.2	416.2	425.1	342.5	391.8	335.8	341.0	341.5	344.6
27.5°	629.6	631.1	595.8	468.7	418.3	424.0	369.0	357.6	399.6	402.2	402.2
30°	685.6	695.5	629.6	542.9	433.4	400.7	357.6	389.8	371.1	374.2	374.2
32.5°	910.9	903.1	822.1	537.7	448.9	368.5	373.7	361.2	400.2	410.5	411.6
35°	970.0	953.9	826.8	601.0	418.8	376.3	341.5	366.9	366.9	366.4	363.8
37.5°	1043.2	1015.2	816.9	556.4	421.4	343.6	329.6	330.1	360.2	366.9	362.3
40°	1129.9	1087.8	815.4	519.5	382.0	325.4	302.6	317.6	317.1	308.3	303.1
42.5°	1223.8	1168.3	811.7	475.9	343.1	305.2	285.5	280.8	283.4	267.3	265.7
45°	1333.8	1251.3	801.3	437.5	311.9	283.4	261.1	253.8	254.8	242.4	239.3
47.5°	1450.6	1337.0	798.7	407.4	286.0	261.6	243.4	234.1	237.7	223.7	220.6
50°	1580.9	1425.2	789.9	379.4	257.4	241.3	227.8	216.9	217.5	206.6	204.0
52.5°	1722.6	1510.8	780.1	341.0	231.5	224.2	216.4	208.1	217.5	202.9	199.8
55°	1867.9	1615.1	767.1	296.4	208.1	211.2	203.5	209.7	223.2	200.3	196.2
57.5°	2029.3	1713.2	742.7	247.6	189.4	196.7	201.9	210.2	221.1	199.8	192.0
60°	2182.4	1807.7	684.6	209.2	173.3	184.8	198.8	207.1	206.0	196.2	191.0
62.5°	2338.1	1885.5	577.1	179.6	159.9	179.1	194.1	197.7	193.1	189.4	186.3
65°	2423.8	1904.8	447.4	159.9	149.0	171.3	188.4	191.5	184.8	184.8	182.2
67.5°	2409.7	1843.0	330.1	143.8	139.6	163.5	178.5	185.8	181.1	184.8	180.6
69°	2353.7	1772.4	259.5	135.5	134.9	157.3	172.8	181.1	177.5	182.7	177.5
70°	2287.8	1701.3	229.4	130.8	130.3	152.6	169.2	177.5	173.3	177.5	172.8
72.5°	2035.0	1460.0	164.5	117.8	119.4	143.2	160.4	166.6	163.0	164.0	157.8
75°	1627.1	1085.2	130.3	106.9	108.5	132.3	150.5	154.1	151.5	146.9	143.2
77.5°	1143.9	699.6	106.9	97.1	97.6	119.4	140.1	139.6	135.5	130.8	126.1
80°	623.8	329.0	90.8	85.1	86.7	106.4	125.1	123.5	118.3	113.7	108.0
82.5°	269.9	132.9	70.6	68.0	72.7	89.3	107.4	103.3	98.6	100.7	78.4
85°	48.3	45.7	41.0	43.6	49.3	63.3	75.8	72.1	69.5	59.2	54.5
87.5°	4.2	6.2	6.2	7.8	10.9	11.9	21.3	15.6	16.1	6.2	3.1
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)