

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: P415009

Luminaire Tested: **LXF.LXT-PA1-40-727-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415009
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-PA1-40-727-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4253 lumens
Efficiency: N/A
Efficacy: 106.3 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): 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

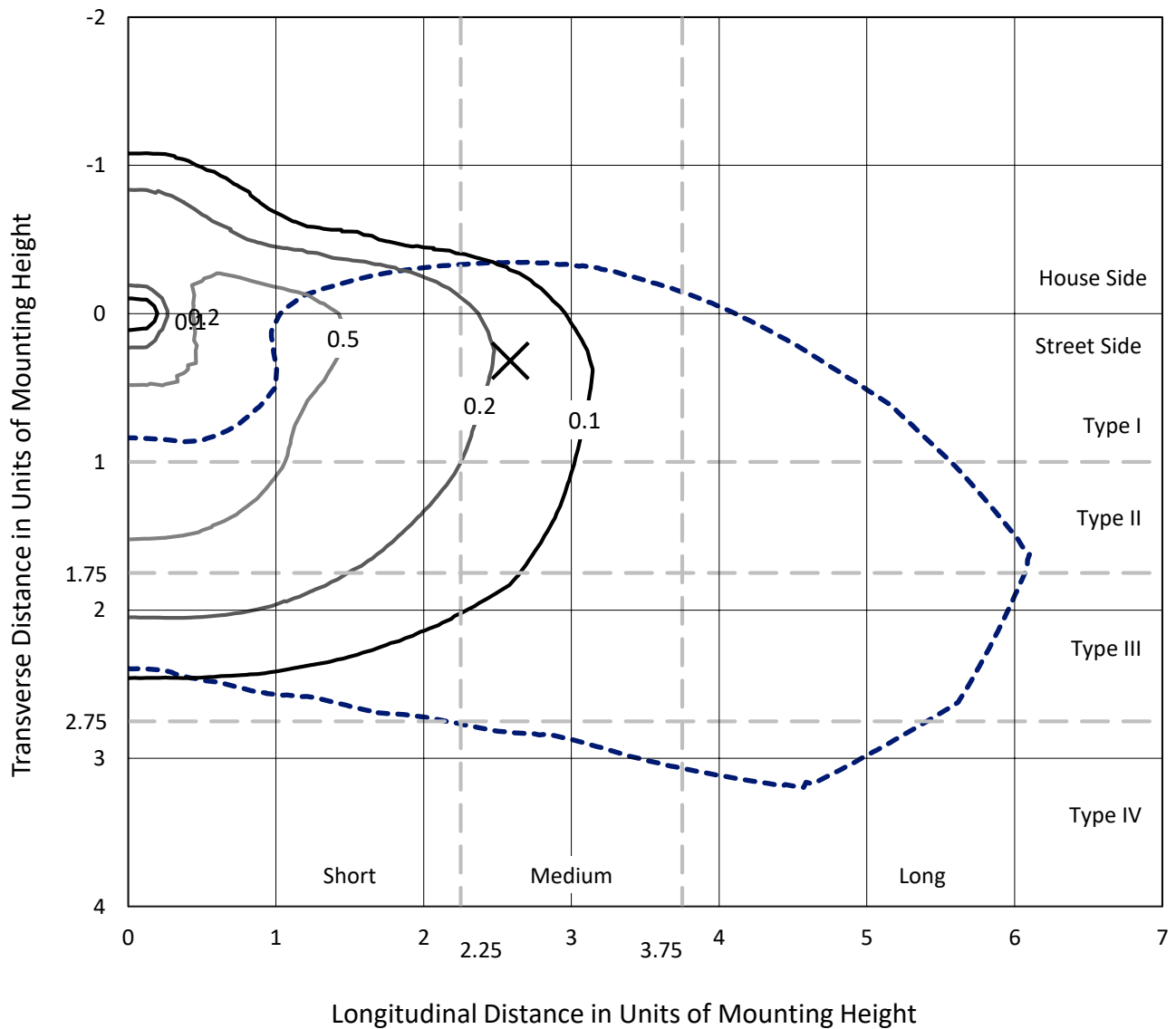


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

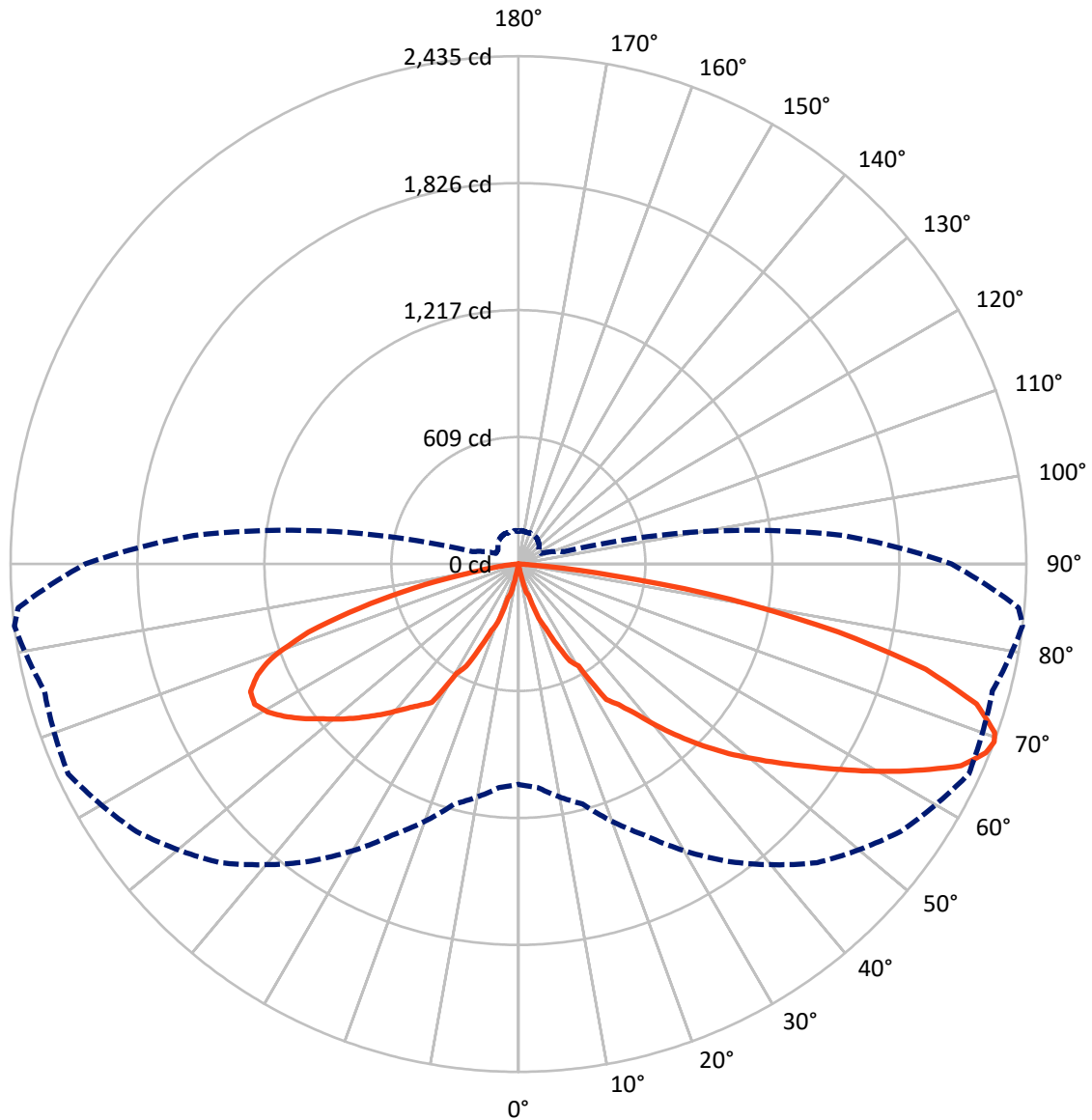


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Medium - Non-Cutoff

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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	902.1	0.0	902.1
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	3350.9	0.0	3350.9
	% Fixture	78.8	0.0	78.8
Total	Lumens	4253.0	0.0	4253.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.1
10°-20°	43.2	1.0
20°-30°	170.6	4.0
30°-40°	379.5	8.9
40°-50°	644.5	15.2
50°-60°	960.4	22.6
60°-70°	1131.1	26.6
70°-80°	791.7	18.6
80°-90°	129.3	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°	4253.0	100.0
0°-180°	4253.0	100.0

Coefficient of Utilization



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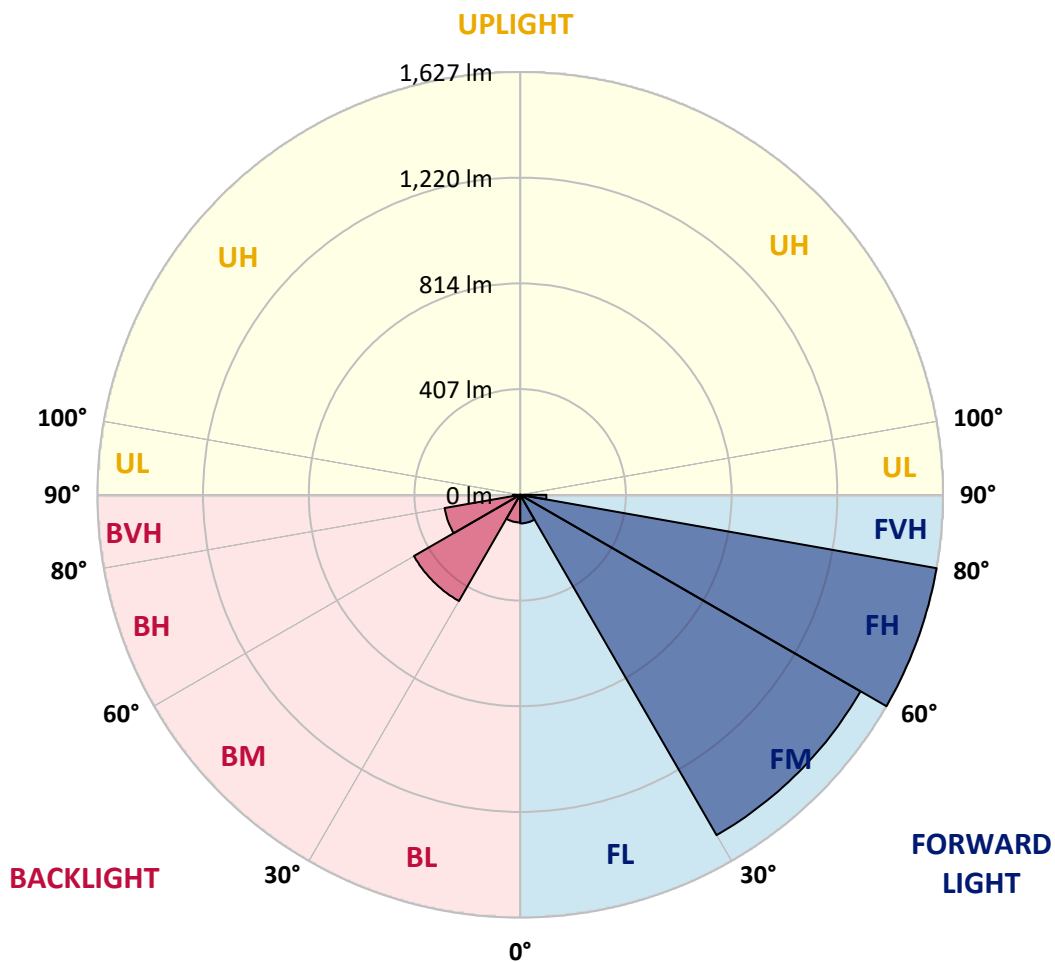
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	110.1	2.6			
FM	(30°-60°)	1512.4	35.6			
FH	(60°-80°)	1627.3	38.3			G1/1800
FVH	(80°-90°)	101.0	2.4			G2/225
BL	(0°-30°)	106.4	2.5	B0/110		
BM	(30°-60°)	472.0	11.1	B1/1000		
BH	(60°-80°)	295.5	6.9	B1/500		G1/500
BVH	(80°-90°)	28.2	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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	2.3	1.8	2.3	2.7	2.7	2.3	1.8	1.8	1.8	1.8	1.4
5°	37.1	27.0	24.3	21.5	12.8	4.6	2.7	1.8	1.8	1.8	1.8
7.5°	78.3	78.3	78.3	78.8	78.3	58.1	13.7	3.2	1.8	1.8	1.8
10°	79.2	78.8	78.3	78.8	79.7	80.1	77.4	11.0	4.6	4.1	4.1
12.5°	143.3	142.4	137.4	96.2	81.5	82.0	83.8	60.4	22.0	58.1	67.8
15°	152.0	151.1	151.1	151.6	143.8	89.3	125.9	164.8	117.2	140.1	142.4
17.5°	170.3	165.3	161.2	158.4	159.3	177.6	178.6	182.2	136.4	157.0	159.8
20°	261.0	259.1	244.5	187.3	174.9	230.8	205.6	202.4	255.5	277.5	282.0
22.5°	298.1	296.2	285.7	275.6	287.5	251.4	292.6	301.7	346.1	332.9	337.0
25°	404.7	403.4	344.8	319.1	350.7	288.9	361.2	345.7	382.3	426.3	430.8
27.5°	495.4	492.2	480.3	430.4	391.5	433.1	399.7	462.0	519.2	526.5	540.3
30°	588.3	567.3	530.7	532.5	482.1	477.5	476.2	554.5	556.3	567.7	591.1
32.5°	740.4	730.7	700.1	605.3	594.3	530.7	586.1	591.1	726.6	774.2	778.8
35°	862.1	820.9	792.1	738.5	655.2	675.8	652.9	743.6	797.1	827.8	846.6
37.5°	1056.3	1061.8	1014.6	819.6	767.4	743.6	783.4	832.4	899.2	906.6	934.9
40°	1195.9	1192.3	1128.6	984.9	868.1	843.8	870.4	918.5	1009.1	1018.3	1025.1
42.5°	1399.2	1381.4	1292.5	1130.9	1022.9	971.6	978.9	999.0	1089.7	1130.5	1122.2
45°	1587.4	1575.5	1485.7	1286.6	1169.4	1109.4	1098.4	1080.5	1189.5	1244.0	1228.9
47.5°	1734.8	1713.8	1662.5	1459.7	1369.5	1267.3	1212.4	1179.9	1288.4	1358.0	1336.9
50°	1892.8	1860.7	1814.5	1631.3	1542.5	1451.4	1330.5	1289.8	1399.7	1468.8	1451.9
52.5°	1997.6	1947.7	1918.9	1784.3	1702.3	1622.6	1445.5	1418.0	1521.9	1588.3	1584.6
55°	1945.0	1943.1	1972.5	1887.3	1807.6	1723.4	1565.0	1563.6	1649.7	1717.9	1721.1
57.5°	1853.4	1863.0	1946.4	1959.2	1925.3	1826.4	1712.8	1726.6	1799.8	1863.0	1869.9
60°	1736.7	1763.2	1883.2	1950.9	1977.9	1929.0	1855.2	1876.3	1963.8	2018.2	2016.4
62.5°	1582.4	1603.9	1753.1	1906.5	1961.5	2007.7	1986.6	2054.4	2123.5	2174.8	2188.1
65°	1400.1	1408.8	1570.5	1777.4	1919.3	2048.0	2096.5	2219.7	2253.1	2331.9	2334.6
67.5°	1198.2	1201.0	1341.5	1588.3	1827.8	2044.8	2189.9	2341.9	2333.2	2417.0	2410.6
69°	1056.3	1076.0	1191.3	1434.5	1738.9	2025.1	2236.2	2382.2	2352.9	2434.9	2407.0
70°	956.5	955.1	1087.0	1304.0	1660.6	1999.9	2265.5	2392.8	2353.4	2422.5	2380.4
72.5°	609.4	618.6	732.6	925.3	1338.3	1854.3	2301.7	2364.8	2303.0	2296.2	2206.0
75°	269.2	244.5	315.9	489.9	841.5	1442.3	2214.7	2238.9	2159.7	2018.2	1863.5
77.5°	94.3	98.0	119.0	199.2	405.2	859.4	1835.6	1969.7	1907.4	1567.2	1394.6
80°	67.3	67.8	79.7	111.3	196.4	303.1	1168.5	1424.9	1467.9	1033.4	888.2
82.5°	47.6	47.6	59.1	71.0	136.0	135.5	502.7	783.9	837.4	458.3	342.9
85°	39.8	40.7	45.3	41.2	79.7	69.1	124.1	241.7	198.3	55.9	49.0
87.5°	6.0	5.5	15.6	13.7	11.9	10.1	13.7	15.6	10.5	8.2	6.0
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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	1.8	1.8	1.8	1.8	1.4	0.9	0.9	0.9	1.4	1.4	1.4
5°	1.8	1.8	1.8	1.8	1.8	1.8	2.3	3.2	3.7	4.1	4.1
7.5°	1.8	1.8	1.8	2.3	2.7	4.1	22.4	77.8	85.2	88.8	91.1
10°	3.7	4.1	4.1	4.1	10.1	86.1	102.6	106.2	109.9	111.7	111.3
12.5°	71.0	73.3	18.3	13.3	80.1	107.6	110.8	114.5	118.1	120.9	120.4
15°	146.1	149.7	143.8	148.8	158.0	116.8	119.5	202.4	219.3	222.5	223.0
17.5°	163.0	165.7	168.5	219.3	224.8	173.1	207.0	222.1	223.9	224.8	225.3
20°	310.4	309.1	250.0	240.4	238.1	300.4	219.8	223.9	267.8	304.9	306.8
22.5°	342.5	346.6	330.1	353.0	312.7	304.0	277.0	296.7	313.2	312.7	311.3
25°	444.1	449.6	378.6	367.2	375.0	302.2	345.7	296.2	300.8	301.3	304.0
27.5°	555.4	556.8	525.6	413.4	369.0	374.1	325.5	315.5	352.6	354.8	354.8
30°	604.8	613.5	555.4	478.9	382.3	353.5	315.5	343.9	327.4	330.1	330.1
32.5°	803.5	796.7	725.2	474.3	396.0	325.1	329.7	318.7	353.0	362.2	363.1
35°	855.7	841.5	729.4	530.2	369.5	331.9	301.3	323.7	323.7	323.2	321.0
37.5°	920.3	895.6	720.7	490.8	371.8	303.1	290.7	291.2	317.8	323.7	319.6
40°	996.8	959.7	719.3	458.3	337.0	287.1	266.9	280.2	279.8	272.0	267.4
42.5°	1079.6	1030.6	716.1	419.9	302.6	269.2	251.8	247.7	250.0	235.8	234.4
45°	1176.7	1103.9	706.9	386.0	275.2	250.0	230.3	223.9	224.8	213.8	211.1
47.5°	1279.7	1179.4	704.6	359.4	252.3	230.8	214.7	206.5	209.7	197.3	194.6
50°	1394.6	1257.3	696.9	334.7	227.1	212.9	201.0	191.4	191.8	182.2	179.9
52.5°	1519.6	1332.8	688.2	300.8	204.2	197.8	190.9	183.6	191.8	179.0	176.3
55°	1647.8	1424.9	676.7	261.4	183.6	186.3	179.5	185.0	196.9	176.7	173.1
57.5°	1790.2	1511.4	655.2	218.4	167.1	173.5	178.1	185.4	195.0	176.3	169.4
60°	1925.3	1594.7	603.9	184.5	152.9	163.0	175.4	182.7	181.8	173.1	168.5
62.5°	2062.6	1663.4	509.1	158.4	141.0	158.0	171.2	174.4	170.3	167.1	164.4
65°	2138.2	1680.3	394.7	141.0	131.4	151.1	166.2	168.9	163.0	163.0	160.7
67.5°	2125.8	1625.9	291.2	126.8	123.2	144.2	157.5	163.9	159.8	163.0	159.3
69°	2076.4	1563.6	228.9	119.5	119.0	138.7	152.5	159.8	156.6	161.2	156.6
70°	2018.2	1500.9	202.4	115.4	114.9	134.6	149.3	156.6	152.9	156.6	152.5
72.5°	1795.3	1288.0	145.1	103.9	105.3	126.4	141.5	147.0	143.8	144.7	139.2
75°	1435.4	957.4	114.9	94.3	95.7	116.8	132.8	136.0	133.7	129.6	126.4
77.5°	1009.1	617.2	94.3	85.6	86.1	105.3	123.6	123.2	119.5	115.4	111.3
80°	550.3	290.3	80.1	75.1	76.5	93.9	110.3	109.0	104.4	100.3	95.2
82.5°	238.1	117.2	62.3	60.0	64.1	78.8	94.8	91.1	87.0	88.8	69.1
85°	42.6	40.3	36.2	38.5	43.5	55.9	66.8	63.6	61.4	52.2	48.1
87.5°	3.7	5.5	5.5	6.9	9.6	10.5	18.8	13.7	14.2	5.5	2.7
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)