

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: P415104

Luminaire Tested: **LXF.LXT-PA1-40-740-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415104
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-PA1-40-740-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 5084 lumens
Efficiency: N/A
Efficacy: 127.1 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

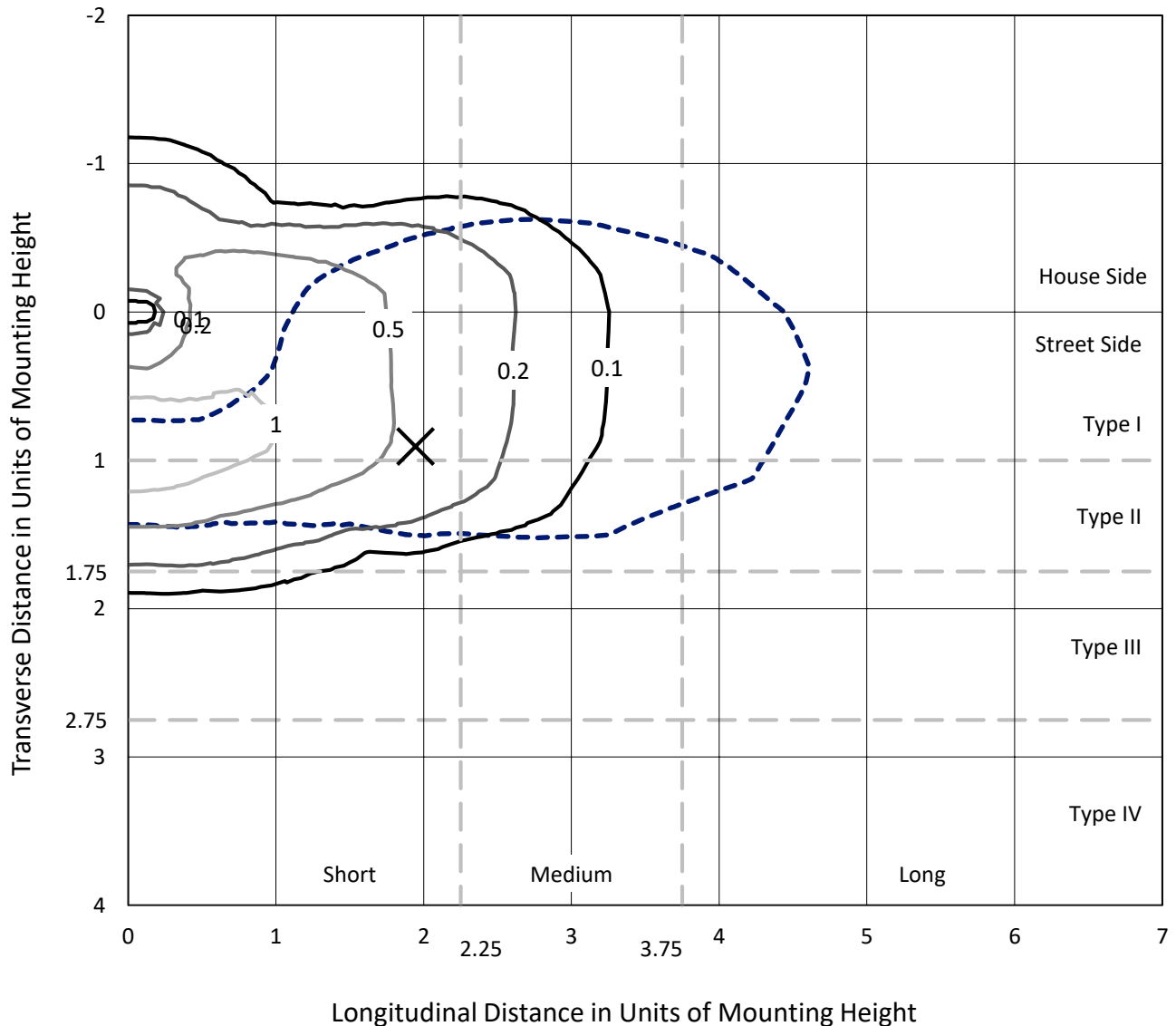
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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 CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

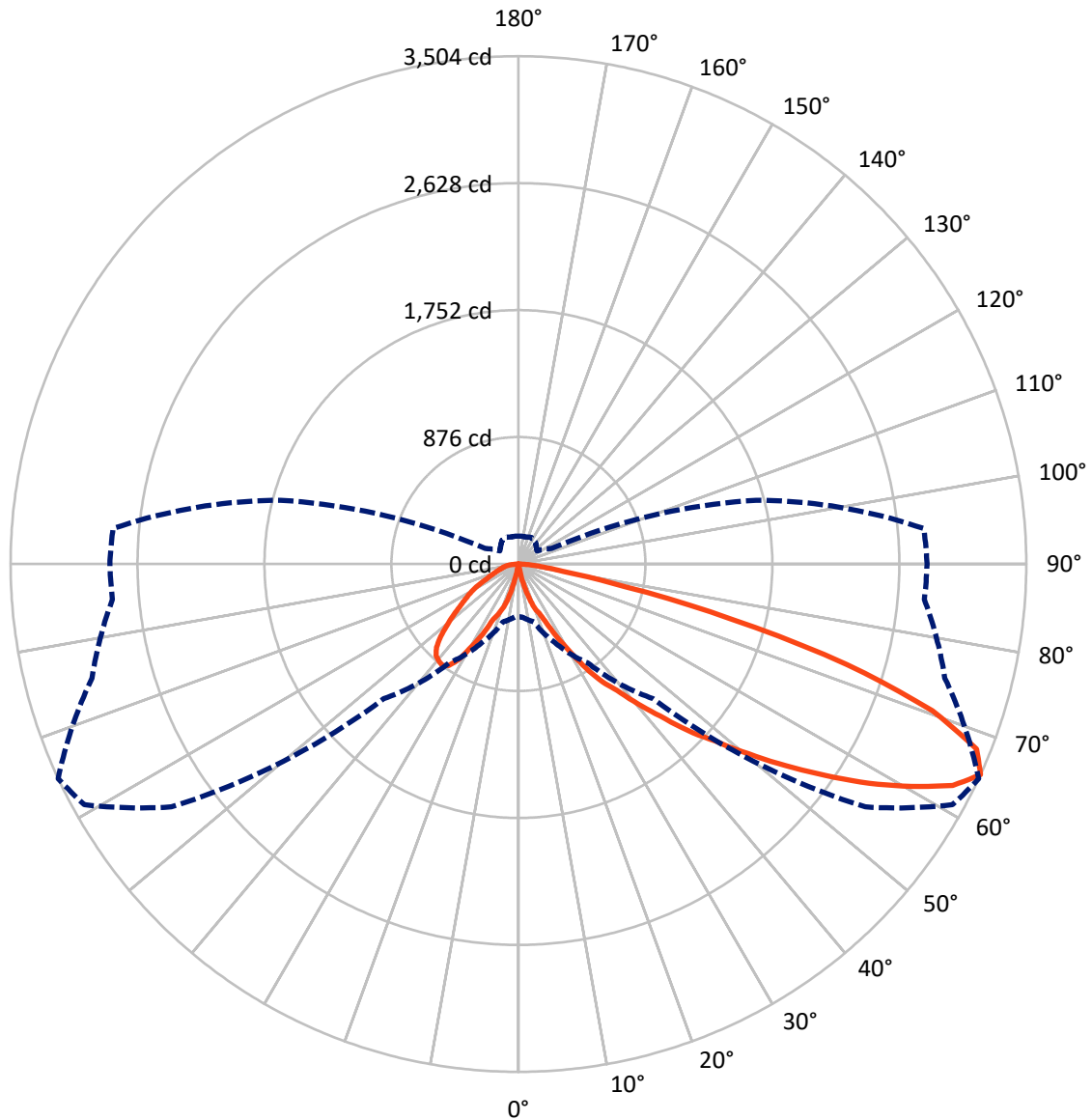
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type II - Short - Non-Cutoff

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CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T2U

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	1371.8	0.0	1371.8
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	3712.2	0.0	3712.2
	% Fixture	73.0	0.0	73.0
Total	Lumens	5084.0	0.0	5084.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.7	0.1
10°-20°	56.2	1.1
20°-30°	216.2	4.3
30°-40°	541.2	10.6
40°-50°	1007.6	19.8
50°-60°	1319.4	26.0
60°-70°	1182.8	23.3
70°-80°	650.6	12.8
80°-90°	106.3	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°	5084.0	100.0
0°-180°	5084.0	100.0



REPORT NUMBER: P415104

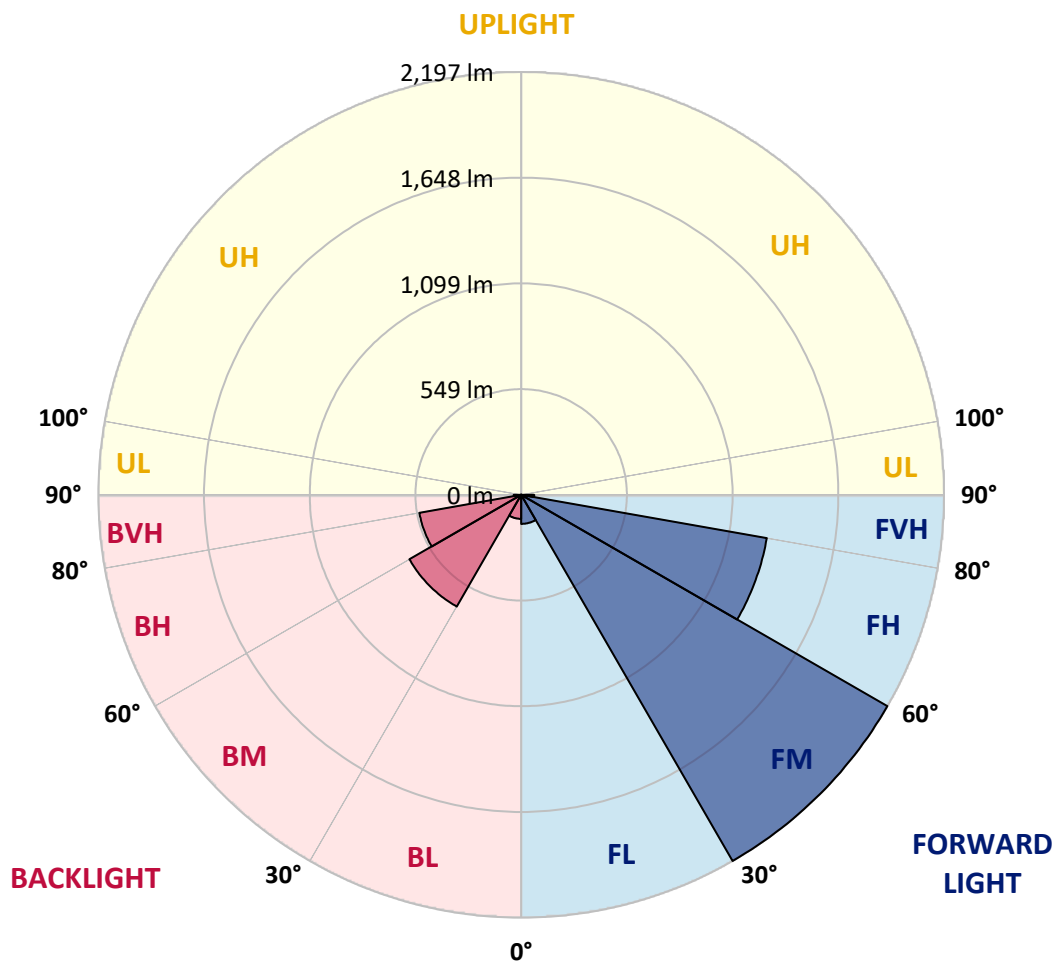
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	151.1	3.0			
FM	(30°-60°)	2197.4	43.2			
FH	(60°-80°)	1296.2	25.5			G1/1800
FVH	(80°-90°)	67.4	1.3			G1/100
BL	(0°-30°)	125.0	2.5	B1/500		
BM	(30°-60°)	670.8	13.2	B1/1000		
BH	(60°-80°)	537.2	10.6	B2/1000		G2/1000
BVH	(80°-90°)	38.9	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





REPORT NUMBER: P415104

CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	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°	2.7	2.7	3.3	3.8	3.8	3.3	2.7	2.2	1.6	1.1	1.1
5°	25.2	22.4	17.5	12.0	7.1	5.5	4.4	3.3	2.7	1.6	1.1
7.5°	123.2	122.6	122.1	122.6	119.9	47.1	8.8	5.5	4.4	2.2	1.6
10°	123.7	123.2	122.6	123.7	123.7	122.1	116.1	17.0	8.8	5.5	5.5
12.5°	220.1	212.4	146.7	129.2	124.8	124.8	124.8	111.7	106.2	78.3	94.7
15°	231.0	229.4	228.8	229.9	203.6	134.7	188.3	177.4	179.6	153.3	181.7
17.5°	243.1	240.3	238.1	238.7	229.4	264.4	247.4	252.9	255.1	193.8	212.4
20°	376.6	376.6	348.2	263.9	289.6	331.7	273.7	300.5	332.8	289.6	297.2
22.5°	427.5	423.7	419.9	398.0	364.0	361.8	398.0	348.7	370.1	425.3	393.0
25°	581.4	582.5	488.3	459.3	508.6	443.4	475.2	472.4	447.2	515.7	498.2
27.5°	735.7	737.9	727.5	647.6	581.4	570.4	540.9	583.0	576.4	572.1	613.1
30°	879.7	879.2	832.1	798.7	763.1	699.6	666.8	675.5	701.8	677.7	764.7
32.5°	1224.0	1214.7	1164.4	952.5	897.8	838.1	828.8	804.2	856.7	839.7	920.2
35°	1453.4	1451.2	1359.8	1240.5	1067.5	1001.2	1002.3	956.3	999.6	1021.5	1034.1
37.5°	1965.8	1958.1	1819.1	1469.3	1333.0	1196.7	1171.5	1149.6	1104.7	1168.2	1167.6
40°	2241.7	2219.8	2097.2	1866.7	1565.1	1400.9	1348.3	1301.2	1268.9	1306.1	1301.2
42.5°	2456.3	2439.3	2352.8	2114.1	1867.8	1740.3	1544.3	1499.4	1434.2	1478.6	1455.6
45°	2610.1	2601.3	2524.2	2346.8	2157.9	2064.3	1765.4	1695.4	1639.0	1633.0	1619.3
47.5°	2639.7	2621.1	2598.1	2498.4	2418.0	2390.0	2039.1	1918.2	1825.1	1807.6	1784.6
50°	2500.1	2494.6	2524.7	2506.6	2604.6	2669.8	2355.0	2187.5	2057.2	1995.3	1951.0
52.5°	2176.5	2188.0	2303.5	2384.0	2628.2	2864.7	2651.7	2489.7	2311.8	2175.5	2115.8
55°	1729.3	1770.9	1942.2	2109.8	2480.9	2949.0	2933.1	2805.5	2576.2	2376.9	2288.8
57.5°	1328.0	1323.7	1544.3	1696.5	2182.0	2892.6	3115.9	3079.8	2854.3	2586.0	2454.1
60°	860.5	856.7	1117.3	1312.2	1681.7	2603.5	3210.6	3305.3	3115.4	2766.7	2603.0
62.5°	561.7	585.2	684.3	961.3	1201.0	2013.4	3178.9	3445.5	3363.9	2934.2	2745.9
65°	361.3	370.1	413.3	598.9	832.6	1313.3	2921.6	3424.7	3503.5	3045.8	2811.0
67.5°	269.3	271.5	292.3	372.2	566.6	686.5	2293.1	3135.6	3408.8	3053.5	2789.7
70°	236.5	240.9	261.1	280.8	421.5	431.9	1340.6	2520.9	3028.9	2943.5	2681.8
72.5°	202.0	206.4	233.2	261.7	322.4	324.1	501.4	1675.1	2371.4	2720.1	2508.8
75°	164.8	167.5	191.0	229.4	268.8	260.0	290.1	757.1	1518.0	2260.8	2237.9
77.5°	133.0	135.2	152.2	182.8	238.1	199.3	216.2	324.6	754.3	1632.4	1813.1
80°	96.3	97.4	113.9	140.1	179.0	177.9	161.5	205.8	311.5	953.6	1200.5
82.5°	61.3	61.3	78.3	92.0	118.8	175.7	113.3	138.5	174.1	474.6	577.5
85°	34.5	35.6	49.3	53.6	69.5	106.7	81.6	76.6	94.2	171.9	142.3
87.5°	6.6	8.2	14.2	15.3	18.1	25.2	29.6	26.8	27.9	40.0	23.5
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: P415104

CATALOG NUMBER: LXF.LXT-PA1-40-740-U-T2U

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°	1.1	1.6	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.6	1.6
5°	1.1	1.6	2.2	2.2	2.7	3.8	4.4	4.4	4.9	5.5	4.9
7.5°	1.1	1.6	2.2	3.3	4.4	8.8	31.8	112.2	120.4	122.1	124.3
10°	4.9	4.9	5.5	6.0	24.6	117.7	126.5	127.5	128.6	129.2	129.7
12.5°	96.3	95.3	94.7	72.8	112.2	129.7	131.4	132.5	134.1	159.8	173.0
15°	183.9	184.5	175.2	168.1	195.4	142.3	151.6	234.3	242.5	245.2	246.9
17.5°	210.8	220.1	195.4	259.5	257.3	216.8	238.7	251.3	252.4	254.0	254.6
20°	299.4	297.2	284.7	325.2	278.6	356.4	295.6	254.6	320.2	352.5	353.1
22.5°	388.7	389.2	371.2	375.5	400.7	366.8	296.2	336.1	344.3	343.8	342.1
25°	500.9	496.5	487.8	417.7	473.0	399.1	394.1	325.7	326.8	353.1	370.1
27.5°	612.6	601.6	567.1	541.4	491.0	444.0	372.2	352.5	379.9	378.3	378.8
30°	766.9	750.0	654.7	651.4	521.1	439.6	378.8	350.9	341.6	343.8	342.7
32.5°	921.3	890.7	804.7	776.8	555.6	409.5	347.6	324.1	350.9	354.7	352.5
35°	1016.6	991.4	961.8	850.7	559.5	377.2	314.8	320.2	318.6	317.0	318.1
37.5°	1127.7	1086.6	1060.9	875.9	527.7	336.7	300.0	295.6	321.9	322.4	320.2
40°	1252.0	1205.4	1147.9	864.4	455.5	304.9	278.6	292.9	294.5	287.9	286.3
42.5°	1392.1	1324.2	1238.8	849.0	377.7	286.3	270.4	272.1	273.2	266.0	263.3
45°	1533.3	1453.9	1316.5	806.4	321.3	267.7	257.8	257.3	251.8	245.2	243.6
47.5°	1691.5	1598.5	1380.6	731.9	281.4	253.5	249.6	239.2	240.9	234.8	234.3
50°	1854.7	1754.5	1417.3	642.7	255.1	241.4	234.8	231.6	235.9	228.8	227.7
52.5°	2014.5	1930.8	1475.3	562.7	232.7	231.0	228.3	229.4	231.0	223.3	222.8
55°	2188.0	2127.8	1528.4	486.7	212.9	216.8	226.1	225.5	225.0	217.9	217.9
57.5°	2347.3	2317.8	1582.6	428.1	197.6	204.2	221.2	221.2	218.4	212.4	211.9
60°	2532.4	2510.5	1634.1	375.5	184.5	192.7	215.1	215.7	210.8	206.4	205.3
62.5°	2700.4	2684.0	1675.1	320.2	170.2	182.8	206.4	210.2	203.1	199.8	199.8
65°	2818.7	2807.2	1697.6	251.8	156.6	173.0	197.1	202.5	193.2	192.7	192.7
67.5°	2829.1	2822.0	1651.0	210.2	146.7	163.7	185.6	191.0	182.8	184.5	181.2
70°	2732.2	2680.2	1519.1	175.2	136.9	151.6	171.9	178.5	170.2	170.8	165.3
72.5°	2527.4	2377.4	1285.9	148.9	125.9	138.5	157.1	163.1	155.5	153.8	147.8
75°	2183.1	1951.6	895.0	129.2	114.4	124.3	139.0	145.1	140.1	131.9	130.3
77.5°	1691.0	1430.4	548.5	111.7	104.0	109.5	120.4	123.7	118.8	108.9	107.3
80°	1065.8	857.8	264.4	96.9	90.3	93.1	100.2	102.9	99.1	89.2	83.8
82.5°	488.3	370.6	139.6	78.3	73.4	73.4	80.5	78.3	75.0	65.7	53.1
85°	113.9	117.1	64.6	48.2	46.5	41.6	48.2	47.6	42.7	32.8	27.4
87.5°	18.6	20.8	16.4	14.8	12.0	9.3	10.4	8.8	7.7	3.8	1.6
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)