

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: P695345

Luminaire Tested: **LXF.LXT-PA16-50-730-U-T2R**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695345
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-730-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5378 lumens
Efficiency: N/A
Efficacy: 101.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

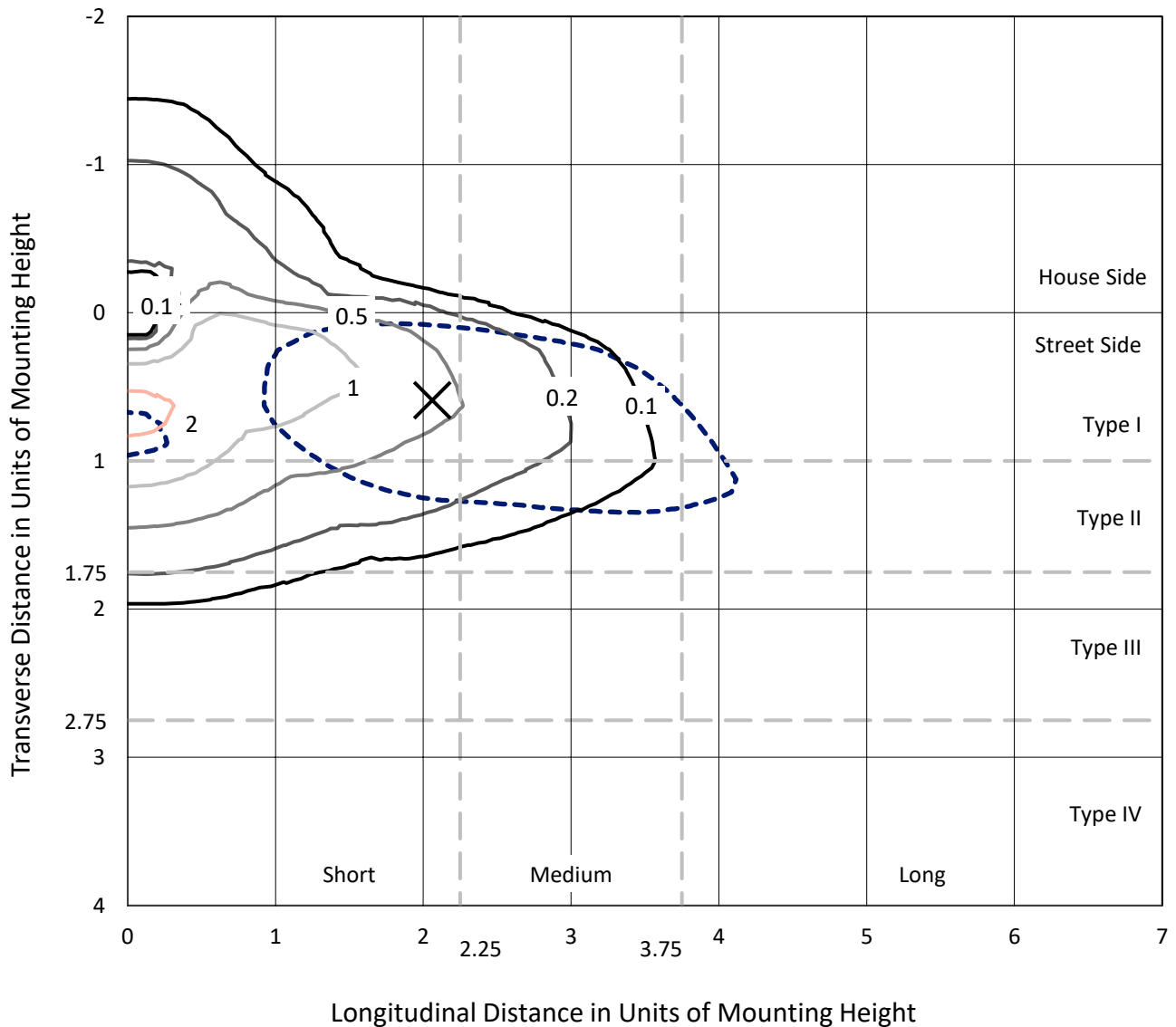
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

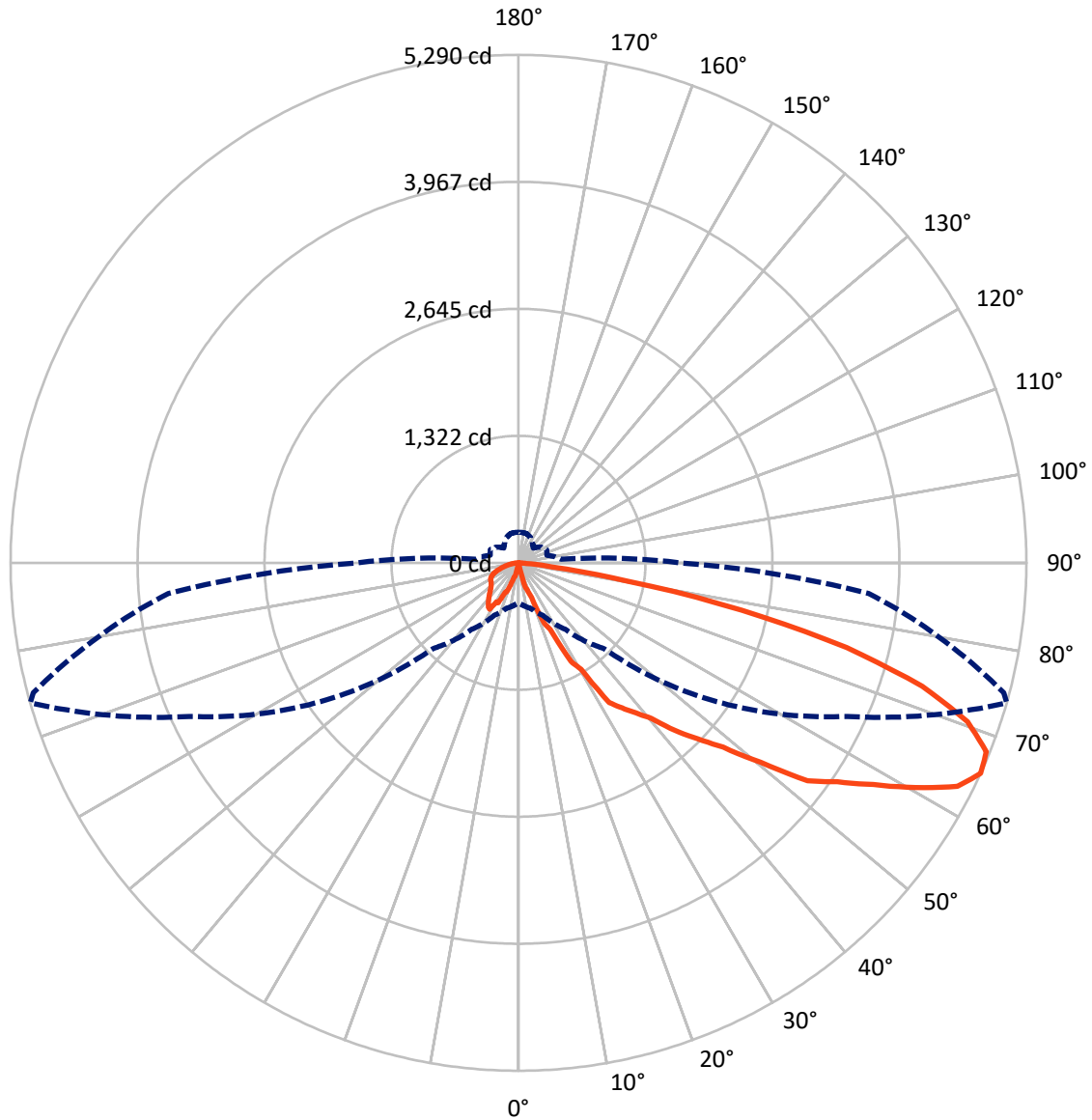
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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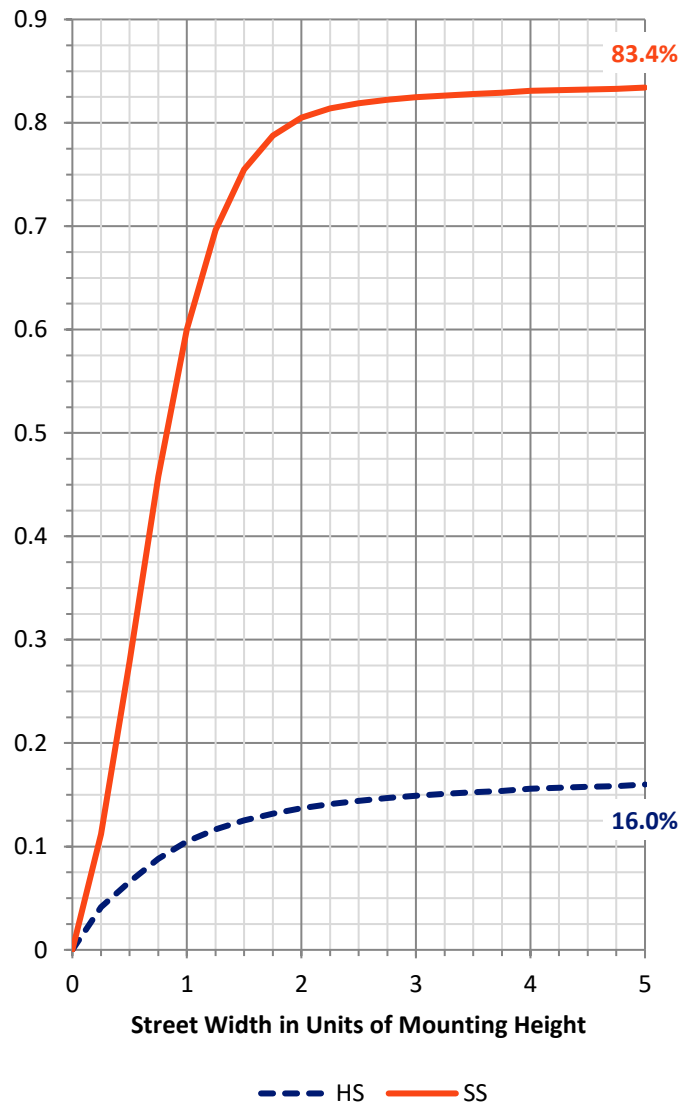
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	881.2	0.0	881.2
	% Fixture	16.4	0.0	16.4
Street Side	Lumens	4496.8	0.0	4496.8
	% Fixture	83.6	0.0	83.6
Total	Lumens	5378.0	0.0	5378.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	52.6	1.0
20°-30°	317.1	5.9
30°-40°	767.9	14.3
40°-50°	1076.3	20.0
50°-60°	1271.5	23.6
60°-70°	1166.1	21.7
70°-80°	631.7	11.7
80°-90°	94.7	1.8
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°	5378.0	100.0
0°-180°	5378.0	100.0

Coefficient of Utilization



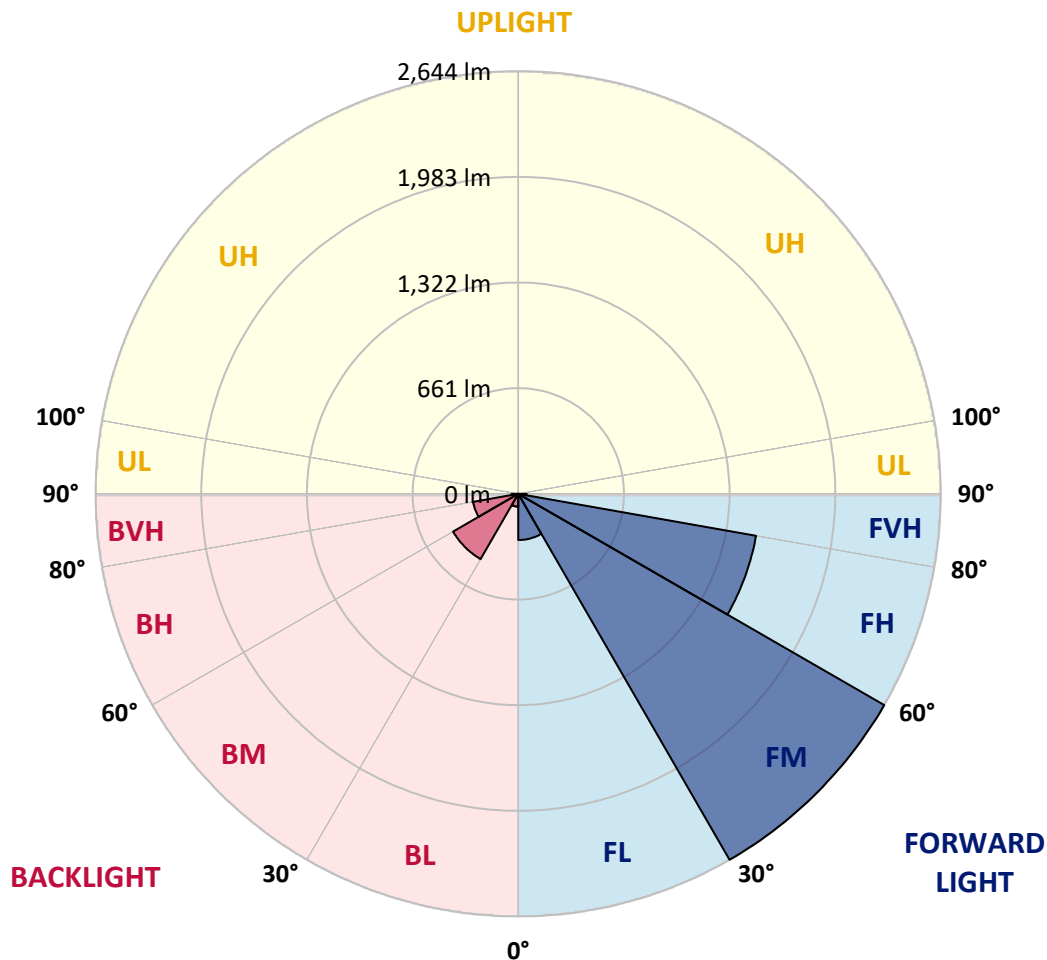
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	289.3	5.4			
FM (30°-60°)	2644.3	49.2			
FH (60°-80°)	1510.8	28.1			G1/1800
FVH (80°-90°)	52.4	1.0			G1/100
BL (0°-30°)	80.6	1.5	B0/110		
BM (30°-60°)	471.3	8.8	B1/1000		
BH (60°-80°)	287.0	5.3	B1/500		G1/500
BVH (80°-90°)	42.4	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°	65°	74°	75°	85°
0°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
5°	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
7.5°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
10°	26.3	24.4	18.8	11.3	5.6	1.9	1.9	1.9	1.9	1.9	1.9
12.5°	323.2	323.2	319.5	293.2	37.6	13.2	3.8	9.4	18.8	22.6	24.4
15°	366.4	362.7	362.7	358.9	349.5	80.8	35.7	281.9	257.4	249.9	191.7
17.5°	565.6	638.9	434.1	404.0	392.7	323.2	308.2	332.6	295.0	289.4	221.7
20°	860.7	860.7	855.0	845.6	456.6	629.5	591.9	381.5	387.1	466.0	441.6
22.5°	962.1	958.4	939.6	926.4	996.0	682.1	642.7	700.9	684.0	678.4	518.7
25°	1544.7	1527.8	1501.5	1056.1	1089.9	958.4	954.6	896.4	766.7	753.5	595.7
27.5°	1689.4	1676.2	1653.7	1507.1	1245.9	1259.0	999.7	1074.9	1161.3	1168.8	894.5
30°	2409.1	2388.4	2129.1	1670.6	1578.5	1371.8	1396.2	1362.4	1285.4	1255.3	965.9
32.5°	2572.6	2561.3	2512.5	2179.8	1715.7	1625.5	1563.5	1503.3	1734.5	1695.0	1358.6
35°	2702.2	2681.6	2632.7	2262.5	2097.2	1888.6	1708.2	1890.4	1856.6	1819.0	1431.9
37.5°	2773.7	2751.1	2702.2	2354.6	2198.6	1982.5	2025.7	2005.1	1982.5	1967.5	1510.9
40°	2760.5	2741.7	2711.6	2414.7	2260.6	2040.8	2179.8	2147.9	2129.1	2208.0	1608.6
42.5°	2698.5	2679.7	2659.0	2444.8	2296.3	2084.0	2309.5	2352.7	2388.4	2373.4	1717.6
45°	2570.7	2553.8	2553.8	2414.7	2277.6	2119.7	2422.3	2563.2	2613.9	2557.6	1858.5
47.5°	2437.3	2424.1	2426.0	2332.1	2241.9	2153.5	2561.3	2734.2	2867.6	2800.0	2061.4
50°	2253.1	2247.5	2275.7	2253.1	2198.6	2157.3	2713.5	3017.9	3266.0	3243.4	2369.6
52.5°	1982.5	1986.3	2065.2	2115.9	2112.2	2131.0	2784.9	3290.4	3769.6	3709.5	2606.4
55°	1749.5	1736.4	1800.2	1916.8	1956.2	2085.9	2824.4	3363.7	4027.1	3968.8	2807.5
57.5°	1456.4	1458.2	1529.6	1649.9	1757.0	1980.6	2858.2	3497.1	4357.8	4290.1	3087.5
60°	1089.9	1127.5	1206.4	1328.6	1484.5	1805.9	2852.6	3679.4	4754.3	4711.1	3408.8
62.5°	712.2	725.4	836.2	956.5	1197.0	1580.4	2754.9	3811.0	5130.1	5051.2	3621.2
65°	415.3	439.7	490.5	605.1	843.7	1264.7	2520.0	3784.6	5289.9	5231.6	3660.6
67.5°	280.0	283.8	308.2	374.0	528.0	909.5	2127.2	3536.6	5254.2	5201.5	3551.6
70°	234.9	236.8	244.3	251.8	304.4	588.2	1542.8	3042.4	4961.0	4921.5	3286.7
72.5°	210.5	212.3	216.1	210.5	214.2	340.1	1012.9	2523.7	4395.4	4346.5	2846.9
75°	191.7	191.7	191.7	187.9	182.3	208.6	563.8	1937.4	3532.8	3429.5	2164.8
77.5°	167.2	167.2	165.4	165.4	163.5	156.0	276.2	1368.0	2375.3	2273.8	1277.8
80°	137.2	137.2	137.2	139.1	137.2	116.5	148.5	823.1	1150.1	1127.5	494.2
82.5°	82.7	84.6	95.8	110.9	109.0	82.7	99.6	379.6	349.5	328.9	154.1
85°	11.3	9.4	26.3	37.6	45.1	30.1	41.3	86.4	80.8	84.6	37.6
87.5°	0.0	0.0	0.0	1.9	1.9	3.8	5.6	5.6	5.6	5.6	5.6
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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	1.9	1.9	0.0
5°	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	30.1	28.2	18.8	7.5	0.0	0.0	0.0	0.0	0.0	1.9	1.9
15°	171.0	156.0	142.8	120.3	24.4	3.8	1.9	13.2	30.1	67.7	69.5
17.5°	195.4	176.6	159.7	148.5	133.4	39.5	28.2	137.2	144.7	144.7	144.7
20°	377.7	334.5	231.1	167.2	144.7	120.3	131.5	148.5	154.1	156.0	156.0
22.5°	434.1	375.8	325.1	285.6	167.2	206.7	193.6	161.6	253.7	261.2	263.1
25°	494.2	424.7	343.9	298.8	283.8	212.3	221.7	249.9	268.7	268.7	268.7
27.5°	725.4	593.8	479.2	343.9	304.4	259.3	272.5	257.4	278.1	340.1	351.4
30°	776.1	620.1	477.3	383.4	323.2	302.5	272.5	336.4	360.8	360.8	358.9
32.5°	1059.9	811.8	590.1	381.5	349.5	298.8	327.0	347.6	364.6	389.0	398.4
35°	1103.1	809.9	567.5	439.7	343.9	313.8	332.6	370.2	432.2	441.6	436.0
37.5°	1136.9	794.9	533.7	419.1	370.2	327.0	342.0	405.9	434.1	430.3	422.8
40°	1176.4	774.2	496.1	404.0	357.0	327.0	364.6	404.0	415.3	398.4	394.6
42.5°	1225.2	747.9	462.3	385.2	343.9	325.1	360.8	381.5	381.5	377.7	374.0
45°	1292.9	723.5	430.3	364.6	338.3	317.6	351.4	351.4	374.0	370.2	368.3
47.5°	1411.3	699.1	402.1	347.6	330.7	308.2	327.0	340.1	366.4	364.6	362.7
50°	1539.0	672.7	379.6	336.4	323.2	296.9	298.8	328.9	358.9	357.0	355.2
52.5°	1619.8	625.8	362.7	332.6	315.7	285.6	289.4	319.5	353.3	349.5	345.8
55°	1680.0	584.4	351.4	330.7	308.2	259.3	281.9	311.9	345.8	340.1	336.4
57.5°	1762.7	550.6	343.9	334.5	302.5	240.5	272.5	304.4	338.3	332.6	332.6
60°	1843.5	522.4	336.4	336.4	300.7	231.1	265.0	298.8	330.7	328.9	328.9
62.5°	1841.6	488.6	323.2	334.5	298.8	223.6	259.3	293.2	323.2	325.1	323.2
65°	1681.9	445.4	304.4	323.2	285.6	218.0	251.8	293.2	315.7	317.6	317.6
67.5°	1478.9	390.9	274.4	304.4	263.1	214.2	246.2	287.5	302.5	311.9	311.9
70°	1247.8	321.3	236.8	278.1	240.5	210.5	246.2	278.1	287.5	306.3	304.4
72.5°	1022.3	253.7	197.3	242.4	216.1	206.7	248.1	265.0	268.7	293.2	285.6
75°	778.0	191.7	157.9	197.3	186.0	203.0	244.3	246.2	244.3	251.8	240.5
77.5°	505.5	144.7	127.8	150.3	154.1	193.6	236.8	223.6	212.3	206.7	201.1
80°	231.1	103.4	97.7	116.5	114.6	178.5	223.6	199.2	182.3	172.9	165.4
82.5°	94.0	67.7	67.7	84.6	78.9	156.0	201.1	171.0	150.3	142.8	139.1
85°	26.3	28.2	30.1	45.1	47.0	120.3	161.6	133.4	109.0	161.6	148.5
87.5°	3.8	3.8	3.8	5.6	5.6	7.5	22.6	30.1	39.5	16.9	15.0
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)