

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: P695615

Luminaire Tested: **LXF.LXT-PA16-60-730-U-T2R**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695615
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-PA16-60-730-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6083 lumens
Efficiency: N/A
Efficacy: 98.1 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

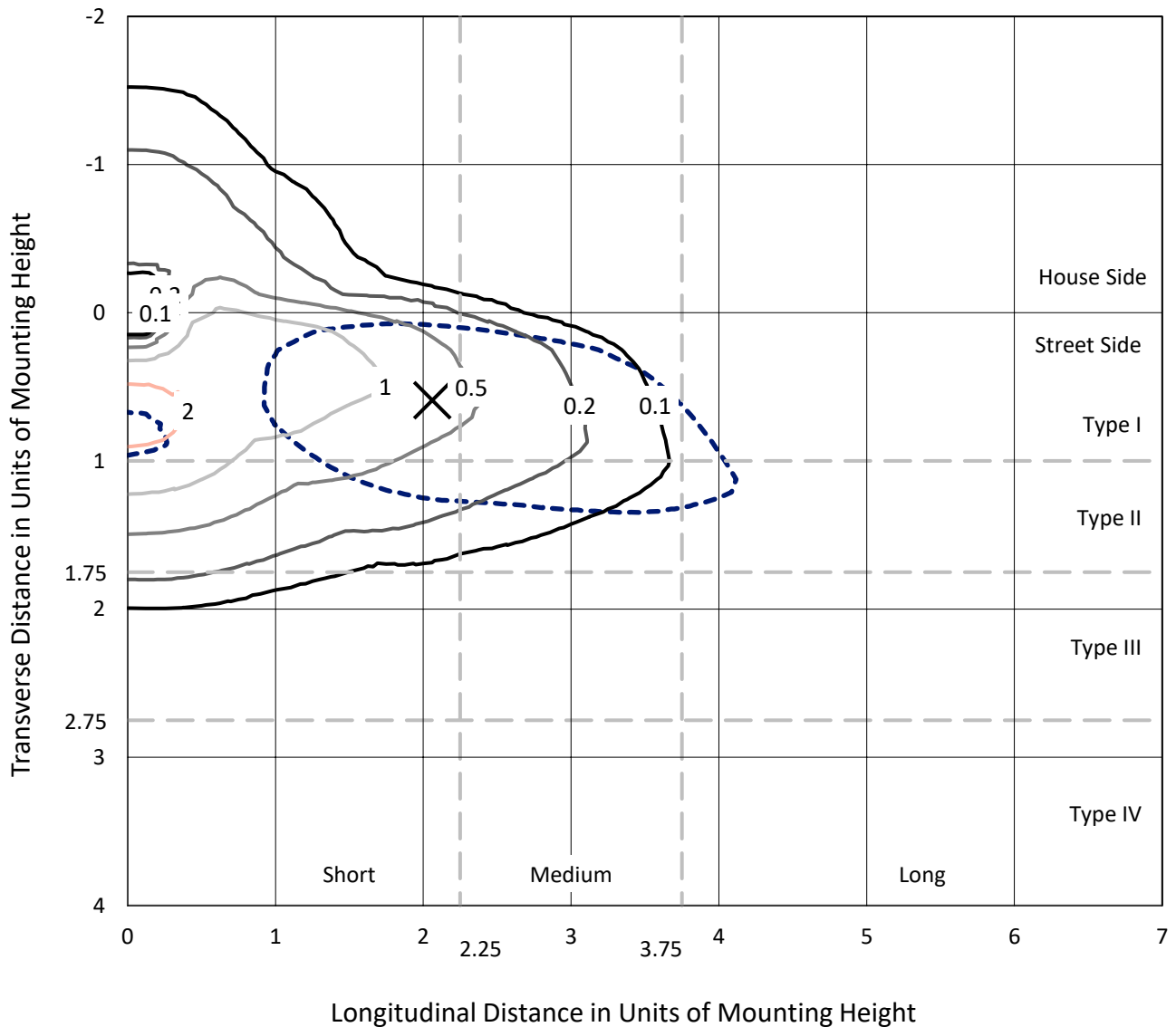
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

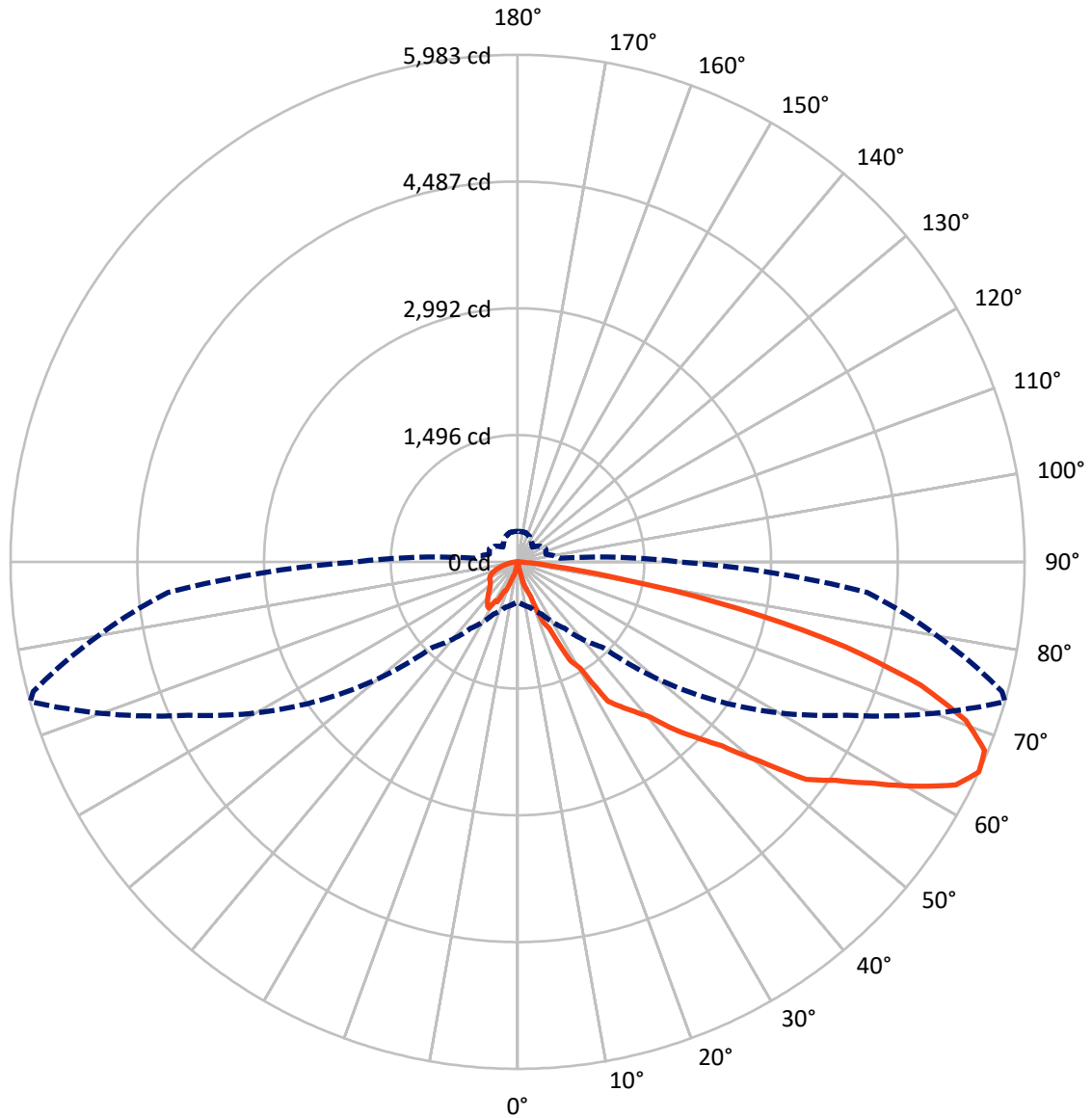
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 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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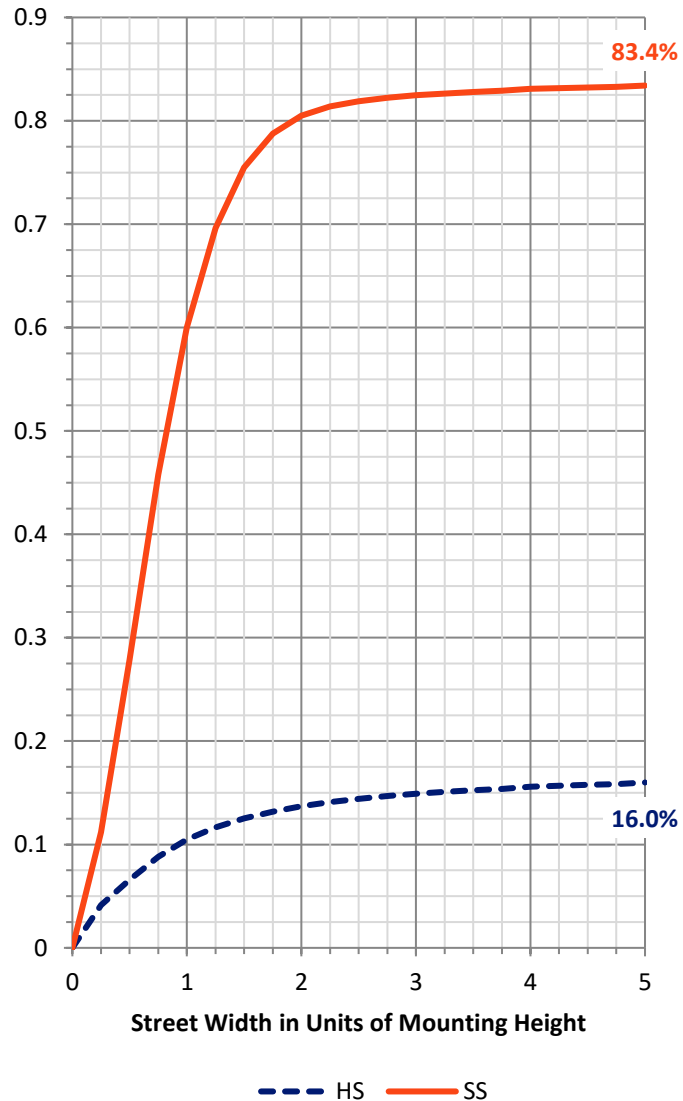
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	996.8	0.0	996.8
	% Fixture	16.4	0.0	16.4
Street Side	Lumens	5086.2	0.0	5086.2
	% Fixture	83.6	0.0	83.6
Total	Lumens	6083.0	0.0	6083.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	59.5	1.0
20°-30°	358.7	5.9
30°-40°	868.6	14.3
40°-50°	1217.3	20.0
50°-60°	1438.2	23.6
60°-70°	1318.9	21.7
70°-80°	714.5	11.7
80°-90°	107.1	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°	6083.0	100.0
0°-180°	6083.0	100.0

Coefficient of Utilization



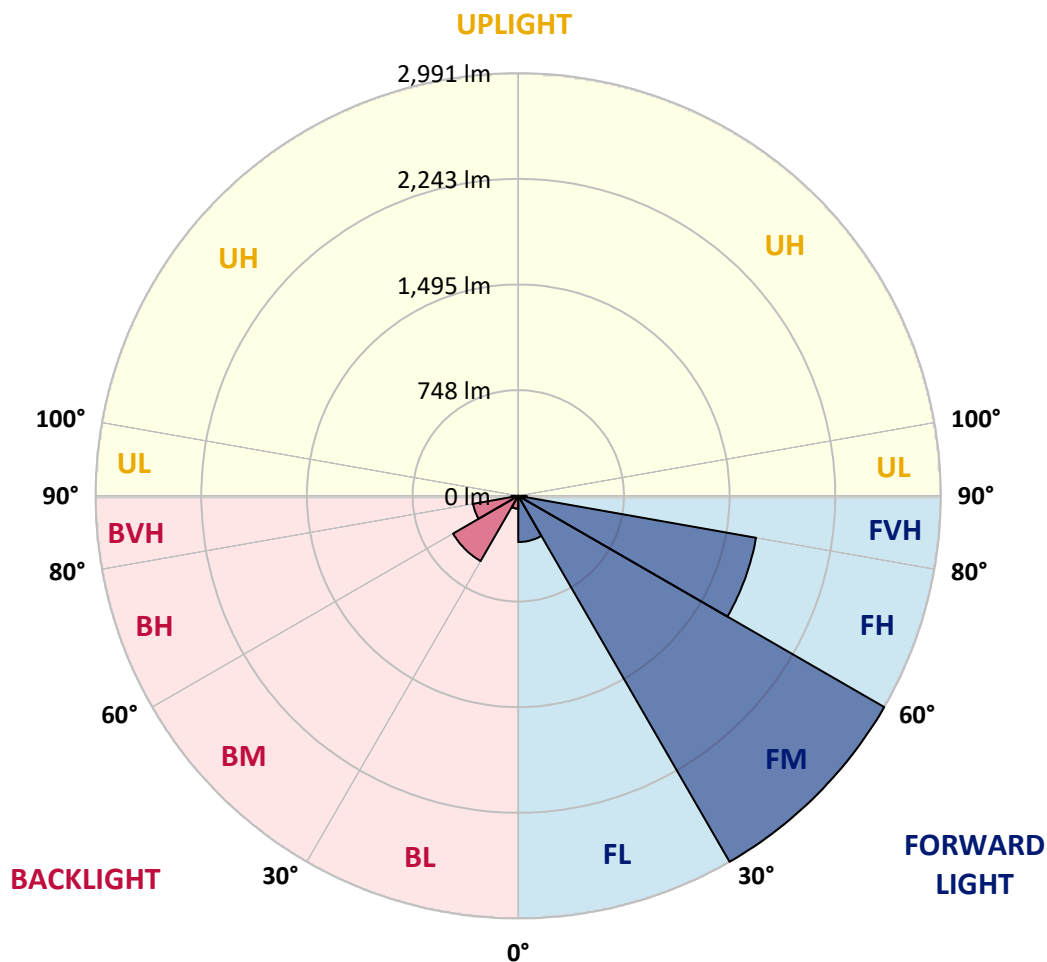
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	327.2	5.4			
FM (30°-60°)	2991.0	49.2			
FH (60°-80°)	1708.9	28.1			G1/1800
FVH (80°-90°)	59.2	1.0			G1/100
BL (0°-30°)	91.2	1.5	B0/110		
BM (30°-60°)	533.1	8.8	B1/1000		
BH (60°-80°)	324.6	5.3	B1/500		G1/500
BVH (80°-90°)	47.9	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
5°	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
7.5°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
10°	29.8	27.6	21.3	12.8	6.4	2.1	2.1	2.1	2.1	2.1	2.1
12.5°	365.6	365.6	361.3	331.6	42.5	14.9	4.3	10.6	21.3	25.5	27.6
15°	414.5	410.2	410.2	406.0	395.3	91.4	40.4	318.8	291.2	282.7	216.8
17.5°	639.8	722.7	491.0	457.0	444.2	365.6	348.6	376.2	333.7	327.3	250.8
20°	973.5	973.5	967.1	956.5	516.5	712.0	669.5	431.5	437.9	527.1	499.5
22.5°	1088.3	1084.0	1062.8	1047.9	1126.5	771.6	726.9	792.8	773.7	767.3	586.6
25°	1747.2	1728.0	1698.3	1194.5	1232.8	1084.0	1079.8	1013.9	867.2	852.3	673.8
27.5°	1910.8	1896.0	1870.4	1704.7	1409.2	1424.1	1130.8	1215.8	1313.6	1322.1	1011.7
30°	2724.9	2701.5	2408.2	1889.6	1785.4	1551.6	1579.3	1541.0	1453.8	1419.8	1092.5
32.5°	2909.8	2897.1	2841.8	2465.6	1940.6	1838.6	1768.4	1700.4	1961.8	1917.2	1536.7
35°	3056.5	3033.1	2977.8	2559.1	2372.1	2136.1	1932.1	2138.3	2100.0	2057.5	1619.6
37.5°	3137.3	3111.7	3056.5	2663.3	2486.8	2242.4	2291.3	2267.9	2242.4	2225.4	1708.9
40°	3122.4	3101.1	3067.1	2731.3	2557.0	2308.3	2465.6	2429.5	2408.2	2497.5	1819.4
42.5°	3052.2	3031.0	3007.6	2765.3	2597.4	2357.2	2612.3	2661.1	2701.5	2684.5	1942.7
45°	2907.7	2888.6	2888.6	2731.3	2576.1	2397.6	2739.8	2899.2	2956.6	2892.8	2102.1
47.5°	2756.8	2741.9	2744.0	2637.8	2535.7	2435.8	2897.1	3092.6	3243.5	3167.0	2331.7
50°	2548.5	2542.1	2574.0	2548.5	2486.8	2440.1	3069.2	3413.6	3694.1	3668.6	2680.3
52.5°	2242.4	2246.7	2335.9	2393.3	2389.1	2410.3	3150.0	3721.8	4263.8	4195.8	2948.1
55°	1978.8	1964.0	2036.2	2168.0	2212.7	2359.3	3194.6	3804.7	4555.0	4489.1	3175.5
57.5°	1647.3	1649.4	1730.2	1866.2	1987.4	2240.3	3232.9	3955.6	4929.1	4852.5	3492.2
60°	1232.8	1275.3	1364.6	1502.7	1679.2	2042.6	3226.5	4161.7	5377.5	5328.7	3855.7
62.5°	805.6	820.4	945.9	1081.9	1353.9	1787.6	3116.0	4310.5	5802.6	5713.4	4095.9
65°	469.7	497.4	554.8	684.4	954.4	1430.5	2850.3	4280.8	5983.3	5917.4	4140.5
67.5°	316.7	321.0	348.6	423.0	597.3	1028.7	2406.1	4000.2	5942.9	5883.4	4017.2
70°	265.7	267.8	276.3	284.8	344.3	665.3	1745.0	3441.2	5611.3	5566.7	3717.5
72.5°	238.1	240.2	244.4	238.1	242.3	384.7	1145.6	2854.6	4971.6	4916.3	3220.1
75°	216.8	216.8	216.8	212.6	206.2	235.9	637.7	2191.4	3996.0	3879.1	2448.6
77.5°	189.2	189.2	187.0	187.0	184.9	176.4	312.4	1547.4	2686.6	2571.9	1445.3
80°	155.2	155.2	155.2	157.3	155.2	131.8	167.9	931.0	1300.8	1275.3	559.0
82.5°	93.5	95.6	108.4	125.4	123.3	93.5	112.7	429.4	395.3	372.0	174.3
85°	12.8	10.6	29.8	42.5	51.0	34.0	46.8	97.8	91.4	95.6	42.5
87.5°	0.0	0.0	0.0	2.1	2.1	4.3	6.4	6.4	6.4	6.4	6.4
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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	2.1	2.1	0.0
5°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	34.0	31.9	21.3	8.5	0.0	0.0	0.0	0.0	0.0	2.1	2.1
15°	193.4	176.4	161.5	136.0	27.6	4.3	2.1	14.9	34.0	76.5	78.6
17.5°	221.1	199.8	180.7	167.9	150.9	44.6	31.9	155.2	163.7	163.7	163.7
20°	427.2	378.3	261.4	189.2	163.7	136.0	148.8	167.9	174.3	176.4	176.4
22.5°	491.0	425.1	367.7	323.1	189.2	233.8	218.9	182.8	286.9	295.4	297.6
25°	559.0	480.4	389.0	338.0	321.0	240.2	250.8	282.7	303.9	303.9	303.9
27.5°	820.4	671.7	542.0	389.0	344.3	293.3	308.2	291.2	314.6	384.7	397.5
30°	877.8	701.4	539.9	433.6	365.6	342.2	308.2	380.5	408.1	408.1	406.0
32.5°	1198.8	918.2	667.4	431.5	395.3	338.0	369.8	393.2	412.3	440.0	450.6
35°	1247.7	916.1	641.9	497.4	389.0	355.0	376.2	418.7	488.9	499.5	493.1
37.5°	1285.9	899.1	603.6	474.0	418.7	369.8	386.8	459.1	491.0	486.7	478.2
40°	1330.6	875.7	561.1	457.0	403.8	369.8	412.3	457.0	469.7	450.6	446.4
42.5°	1385.8	846.0	522.9	435.7	389.0	367.7	408.1	431.5	431.5	427.2	423.0
45°	1462.4	818.3	486.7	412.3	382.6	359.2	397.5	397.5	423.0	418.7	416.6
47.5°	1596.3	790.7	454.9	393.2	374.1	348.6	369.8	384.7	414.5	412.3	410.2
50°	1740.8	760.9	429.4	380.5	365.6	335.8	338.0	372.0	406.0	403.8	401.7
52.5°	1832.2	707.8	410.2	376.2	357.1	323.1	327.3	361.3	399.6	395.3	391.1
55°	1900.2	661.0	397.5	374.1	348.6	293.3	318.8	352.8	391.1	384.7	380.5
57.5°	1993.7	622.8	389.0	378.3	342.2	272.1	308.2	344.3	382.6	376.2	376.2
60°	2085.1	590.9	380.5	380.5	340.1	261.4	299.7	338.0	374.1	372.0	372.0
62.5°	2083.0	552.6	365.6	378.3	338.0	252.9	293.3	331.6	365.6	367.7	365.6
65°	1902.3	503.7	344.3	365.6	323.1	246.6	284.8	331.6	357.1	359.2	359.2
67.5°	1672.8	442.1	310.3	344.3	297.6	242.3	278.4	325.2	342.2	352.8	352.8
70°	1411.3	363.5	267.8	314.6	272.1	238.1	278.4	314.6	325.2	346.5	344.3
72.5°	1156.3	286.9	223.2	274.2	244.4	233.8	280.6	299.7	303.9	331.6	323.1
75°	880.0	216.8	178.5	223.2	210.4	229.6	276.3	278.4	276.3	284.8	272.1
77.5°	571.8	163.7	144.5	170.0	174.3	218.9	267.8	252.9	240.2	233.8	227.4
80°	261.4	116.9	110.5	131.8	129.7	201.9	252.9	225.3	206.2	195.5	187.0
82.5°	106.3	76.5	76.5	95.6	89.3	176.4	227.4	193.4	170.0	161.5	157.3
85°	29.8	31.9	34.0	51.0	53.1	136.0	182.8	150.9	123.3	182.8	167.9
87.5°	4.3	4.3	4.3	6.4	6.4	8.5	25.5	34.0	44.6	19.1	17.0
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)