

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: P415719

Luminaire Tested: **LXF.LXT-PA1-50-830-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415719
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-830-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5114 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

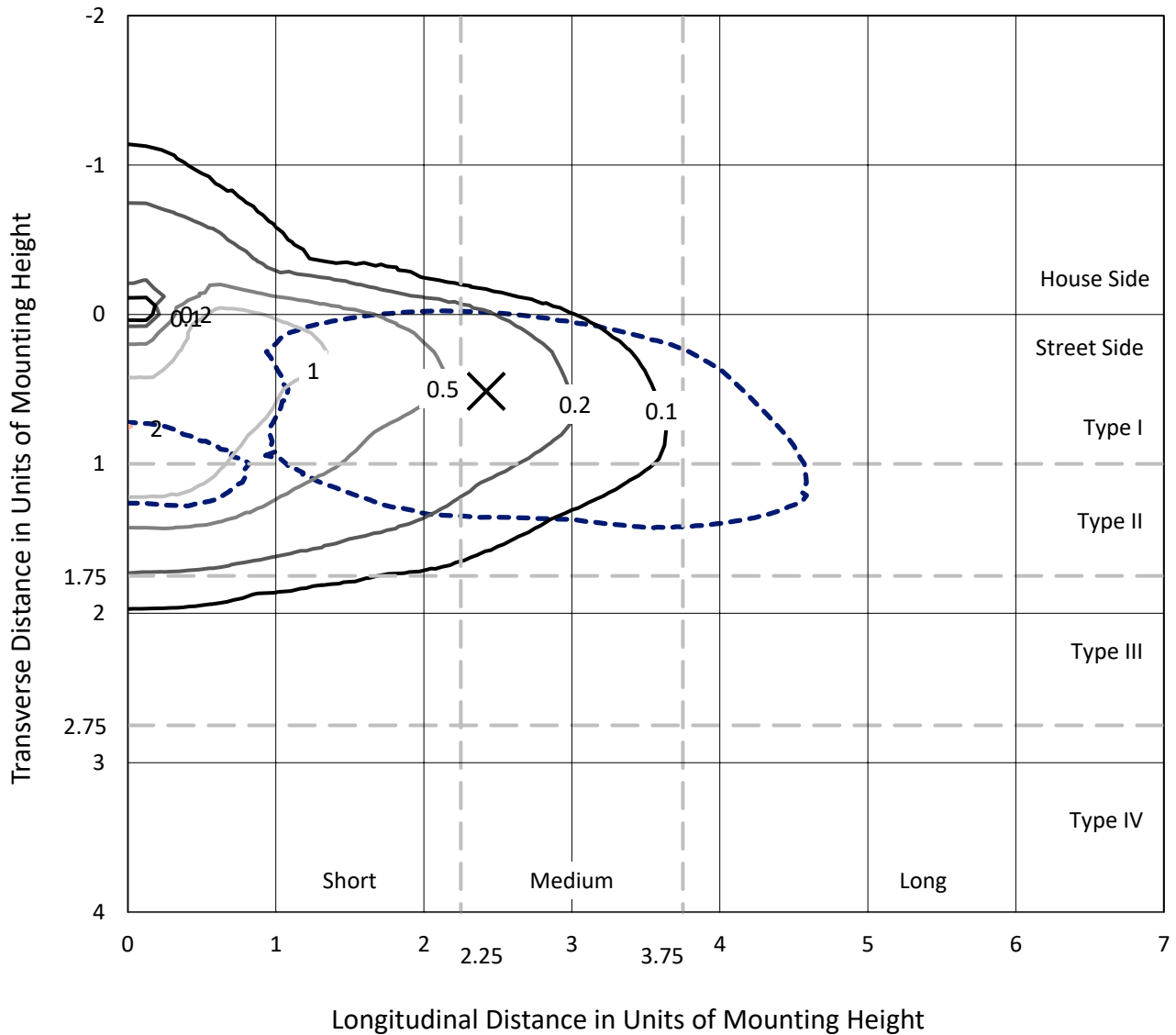
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

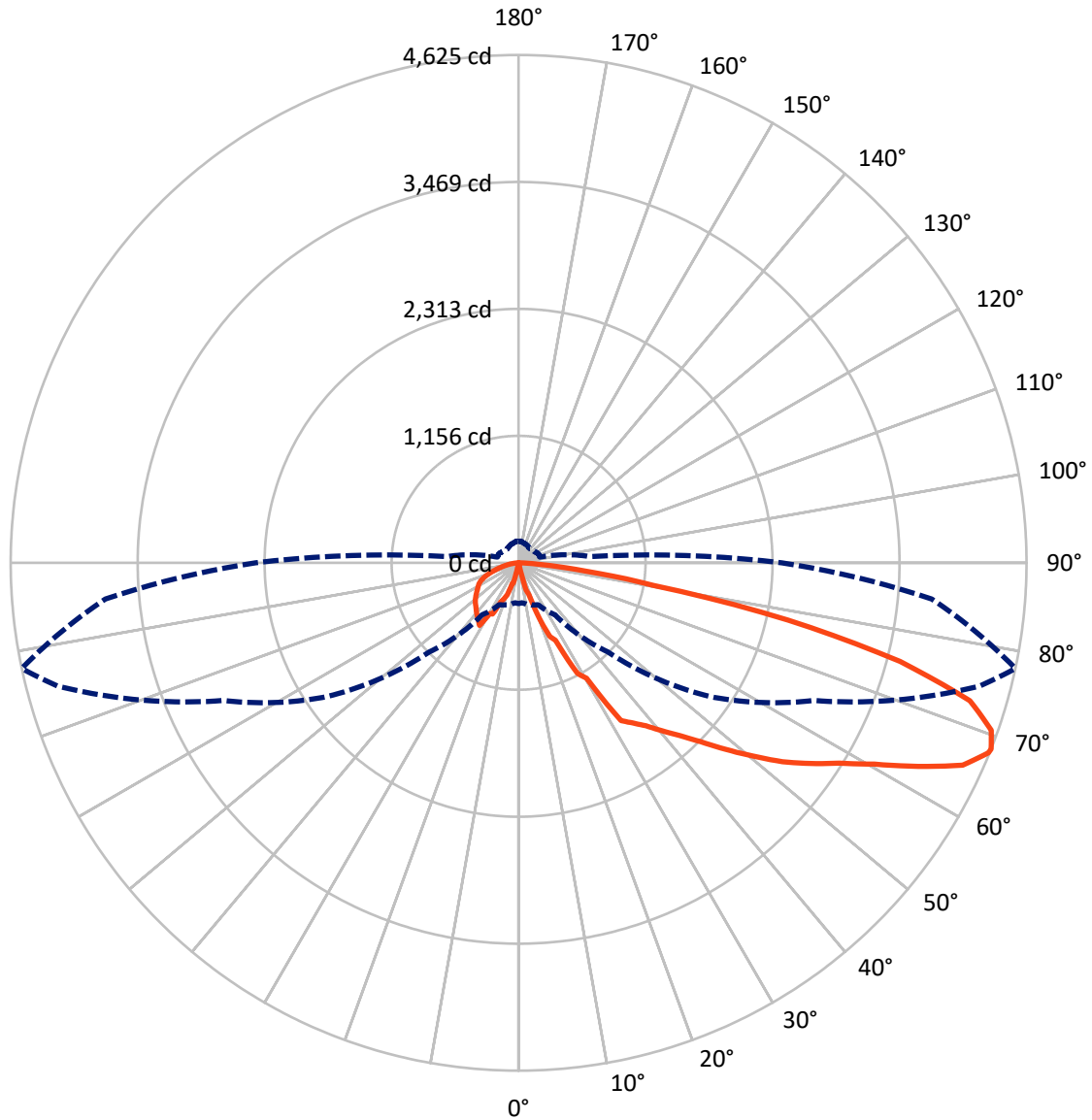
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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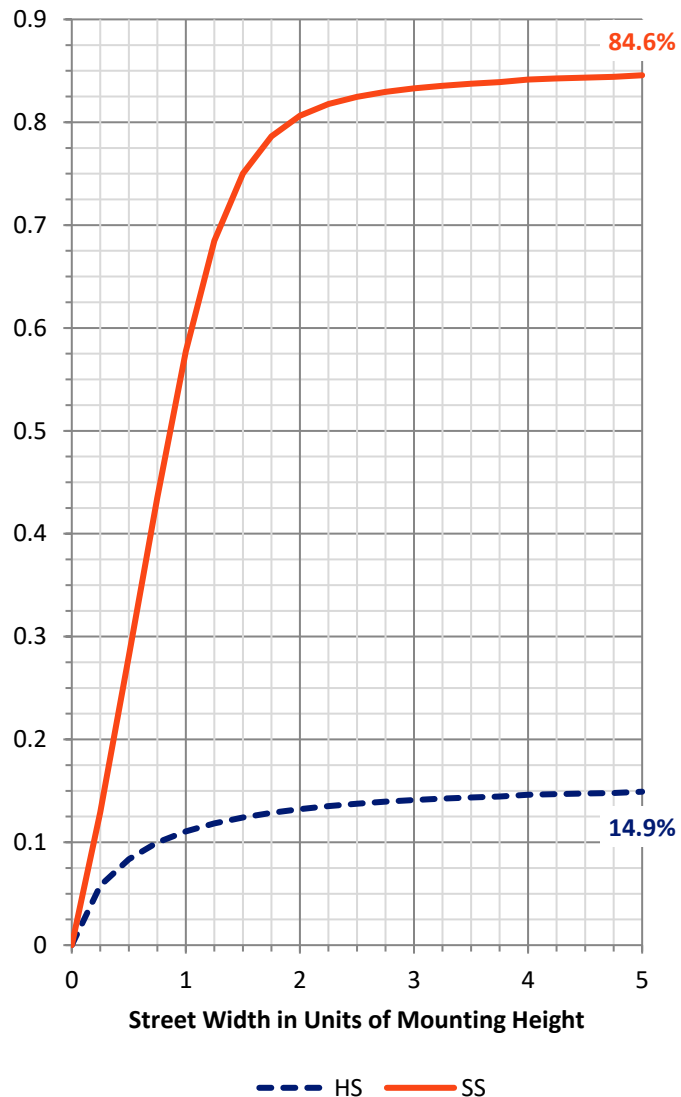
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	776.4	0.0	776.4
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	4337.6	0.0	4337.6
	% Fixture	84.8	0.0	84.8
Total	Lumens	5114.0	0.0	5114.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	0.1
10°-20°	74.1	1.4
20°-30°	282.2	5.5
30°-40°	658.9	12.9
40°-50°	1028.6	20.1
50°-60°	1180.8	23.1
60°-70°	1097.2	21.5
70°-80°	677.9	13.3
80°-90°	109.2	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°	5114.0	100.0
0°-180°	5114.0	100.0

Coefficient of Utilization



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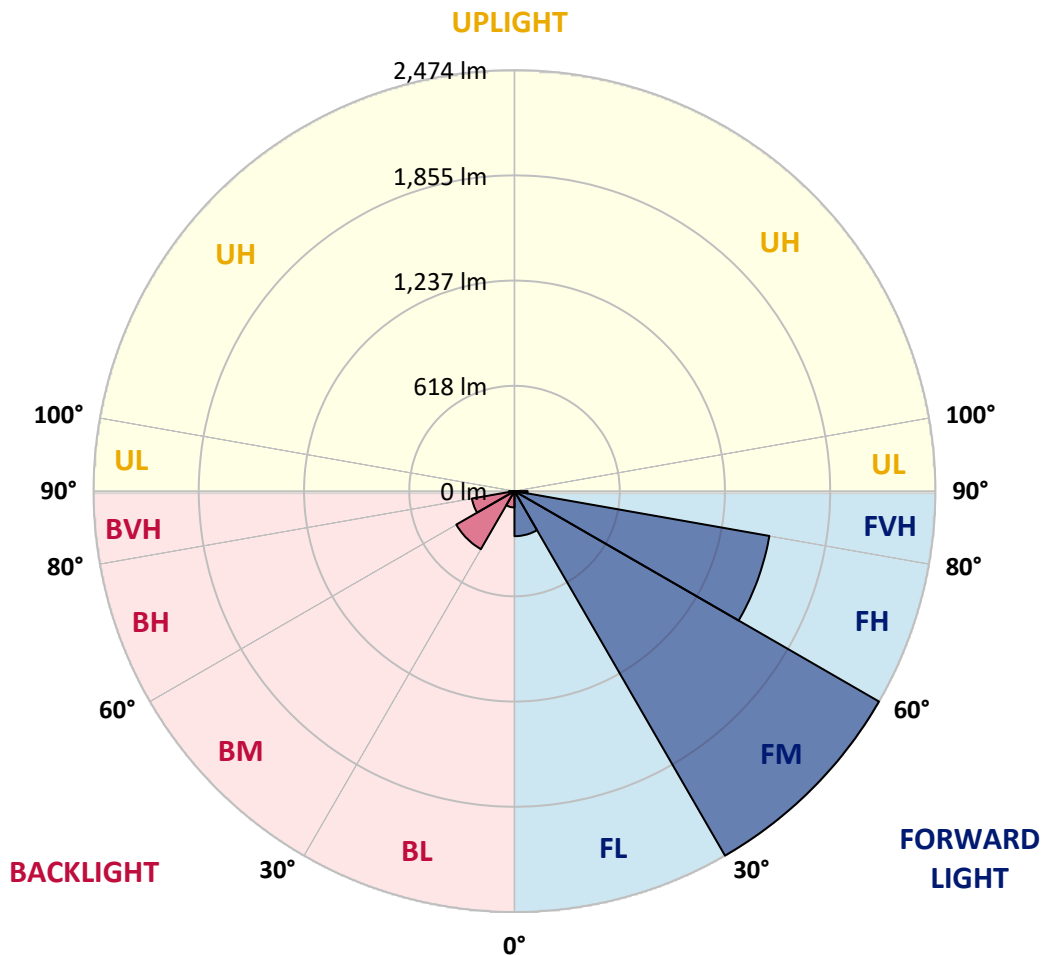
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	265.2	5.2			
FM (30°-60°)	2473.8	48.4			
FH (60°-80°)	1521.3	29.7			G1/1800
FVH (80°-90°)	77.2	1.5			G1/100
BL (0°-30°)	96.2	1.9	B0/110		
BM (30°-60°)	394.5	7.7	B1/1000		
BH (60°-80°)	253.8	5.0	B1/500		G1/500
BVH (80°-90°)	31.9	0.6			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
2.5°	3.9	3.9	4.5	5.0	6.2	5.6	3.9	2.8	2.2	2.2	2.2
5°	181.2	166.6	93.1	48.3	16.8	10.1	5.0	3.9	2.8	2.8	2.2
7.5°	204.8	203.7	202.0	200.3	197.5	186.8	19.6	5.6	3.4	3.4	2.2
10°	221.1	219.4	218.3	217.1	213.2	207.6	198.1	17.4	6.2	5.6	5.0
12.5°	429.2	428.1	426.4	272.7	231.2	225.0	216.6	154.9	18.0	26.9	81.4
15°	428.1	426.4	431.5	440.4	447.7	246.3	248.6	434.8	269.3	258.7	275.5
17.5°	446.6	444.4	438.8	444.9	458.4	515.1	487.0	470.7	317.0	302.4	294.0
20°	654.8	654.8	661.5	655.9	475.8	658.1	623.3	505.5	572.8	538.6	501.0
22.5°	692.9	690.1	691.2	702.5	825.9	682.3	687.9	779.9	796.2	727.1	623.3
25°	985.2	984.7	946.0	742.3	870.8	822.5	950.4	834.3	863.5	782.1	764.7
27.5°	1108.7	1109.8	1078.4	1050.3	920.1	1066.6	1008.8	1098.6	1226.5	1139.5	979.6
30°	1491.9	1477.3	1230.4	1202.9	1126.1	1124.4	1221.4	1297.2	1261.3	1220.3	1094.1
32.5°	1773.0	1758.4	1704.0	1513.8	1338.7	1252.3	1403.2	1357.2	1645.6	1712.9	1483.5
35°	2207.8	2202.7	1913.8	1717.4	1572.1	1514.3	1474.5	1653.5	1781.4	1791.5	1580.0
37.5°	2541.6	2525.4	2355.9	2009.7	1769.6	1636.1	1730.9	1733.7	1930.1	1882.4	1730.9
40°	2694.2	2684.1	2554.0	2229.1	1951.4	1800.5	1838.6	1854.9	2092.8	2010.3	1840.9
42.5°	2810.4	2798.0	2715.6	2361.0	2111.3	1967.1	1949.7	1964.3	2250.4	2150.0	1958.7
45°	2870.4	2863.1	2824.4	2454.7	2222.9	2073.1	2068.6	2060.8	2357.6	2322.2	2086.6
47.5°	2836.7	2828.9	2846.3	2582.0	2292.5	2160.1	2179.2	2165.1	2480.5	2538.3	2225.7
50°	2649.9	2657.2	2726.8	2587.1	2336.8	2230.8	2295.9	2261.1	2647.7	2766.1	2394.6
52.5°	2109.0	2138.8	2433.3	2474.9	2341.3	2263.9	2400.8	2407.5	2855.3	3009.6	2616.8
55°	1573.8	1615.9	1876.8	2201.1	2251.6	2265.0	2468.1	2541.6	3062.3	3226.1	2803.6
57.5°	1238.8	1264.6	1430.7	1756.1	2035.0	2225.2	2537.1	2650.5	3254.7	3442.7	2987.1
60°	990.3	974.6	1082.9	1329.7	1696.1	2113.5	2567.4	2792.4	3494.3	3722.1	3203.1
62.5°	715.9	717.0	799.5	940.3	1342.6	1893.0	2543.9	2929.9	3799.5	4083.4	3490.9
65°	507.8	512.8	568.9	644.7	970.6	1590.1	2427.2	3023.6	4144.0	4444.8	3724.9
67.5°	386.6	389.9	416.3	451.7	627.3	1209.7	2187.6	3004.5	4333.1	4615.9	3792.8
68°	370.9	365.3	395.0	420.8	577.3	1146.8	2121.9	2966.4	4342.1	4625.4	3776.5
70°	312.5	312.5	326.0	332.2	409.0	847.8	1800.5	2735.8	4310.1	4566.5	3653.1
72.5°	260.9	259.2	267.1	262.0	288.9	554.9	1307.8	2359.3	4081.7	4297.8	3285.6
75°	217.1	217.1	218.3	214.3	221.6	372.0	850.0	1848.1	3606.0	3588.6	2674.0
77.5°	185.2	180.7	179.5	173.9	180.1	270.4	521.2	1315.1	2603.3	2509.6	1697.8
80°	147.0	146.4	147.6	144.2	149.2	196.9	317.6	768.7	1417.8	1247.8	791.7
82.5°	90.9	99.9	110.0	110.0	125.7	139.1	192.4	411.3	687.3	604.3	336.1
85°	29.7	36.5	64.5	66.8	80.8	65.1	110.5	132.4	229.5	204.8	64.5
87.5°	1.1	1.7	5.0	7.9	7.3	4.5	7.9	6.2	12.9	9.5	10.1
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°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
2.5°	2.2	2.2	2.2	2.8	2.8	1.7	1.1	2.2	2.2	2.2	2.2
5°	2.2	2.2	2.8	2.8	2.8	2.2	2.8	3.9	4.5	4.5	4.5
7.5°	2.2	2.2	2.2	3.4	3.4	3.9	5.6	33.7	77.4	84.7	83.6
10°	4.5	3.9	4.5	5.0	6.2	71.8	94.3	99.3	101.6	103.2	102.7
12.5°	107.7	96.5	18.0	10.1	67.9	101.0	102.7	106.6	110.5	112.2	112.2
15°	252.5	226.1	172.8	130.2	116.1	107.7	109.4	143.6	195.3	200.3	200.9
17.5°	268.2	235.1	180.7	199.2	205.3	159.9	175.6	197.5	199.7	200.3	200.3
20°	505.5	423.6	257.0	209.8	209.3	267.6	187.4	193.0	196.4	223.3	226.7
22.5°	547.0	453.9	308.6	297.9	225.5	267.6	245.2	238.5	260.9	258.7	260.3
25°	687.9	544.8	324.9	299.0	315.9	259.2	287.8	237.3	241.3	240.1	240.1
27.5°	874.7	687.3	453.9	335.0	306.9	299.6	266.5	228.4	273.8	274.9	274.9
30°	926.3	706.9	453.9	361.9	319.2	294.6	246.3	269.9	254.7	250.2	248.0
32.5°	1283.7	958.9	549.3	348.4	314.8	270.4	269.9	250.8	250.2	260.3	260.3
35°	1348.8	973.4	501.6	398.4	296.8	278.8	256.4	253.6	242.4	238.5	237.9
37.5°	1413.3	982.4	465.1	365.8	304.7	265.9	252.5	232.8	245.2	245.2	244.1
40°	1482.3	992.0	432.0	336.1	280.0	265.9	234.0	232.3	215.4	216.6	215.4
42.5°	1556.4	995.9	396.7	311.4	257.0	249.7	226.1	208.7	208.2	212.1	211.0
45°	1641.1	1000.9	364.1	280.0	234.0	219.9	202.0	203.1	213.8	222.7	222.7
47.5°	1731.4	1005.4	337.2	251.9	217.7	199.7	186.3	190.8	209.8	218.8	221.6
50°	1853.8	1011.0	306.3	228.9	206.5	184.6	182.3	186.3	207.0	213.8	211.0
52.5°	1983.9	1000.9	276.0	214.3	194.7	167.8	171.7	181.8	204.2	207.6	205.3
55°	2090.5	975.7	252.5	204.8	186.3	160.5	166.1	178.4	199.7	201.4	202.0
57.5°	2214.5	942.6	234.0	197.5	181.2	157.1	163.8	177.9	190.8	198.6	198.6
60°	2336.3	903.9	222.7	193.6	177.3	157.1	163.8	177.3	189.1	197.5	196.9
62.5°	2478.8	860.1	216.0	195.8	172.2	158.8	165.0	179.0	188.5	198.1	196.9
65°	2528.7	776.5	211.0	199.2	171.7	161.0	165.5	181.2	188.0	199.2	198.1
67.5°	2430.0	666.0	202.5	199.2	176.7	163.8	165.0	180.1	186.3	199.7	194.7
68°	2396.9	649.7	199.7	198.6	177.3	164.4	165.0	179.5	185.2	199.2	193.6
70°	2212.8	546.5	185.7	193.0	179.5	166.6	162.1	175.6	179.5	198.1	191.3
72.5°	1914.9	425.8	162.1	179.5	177.3	170.0	157.1	167.8	170.0	185.2	173.9
75°	1531.1	323.7	134.1	156.0	166.6	170.0	149.8	157.1	156.5	163.8	153.7
77.5°	962.8	231.2	108.3	132.4	151.5	165.5	143.1	143.1	136.3	137.5	133.0
80°	466.8	158.2	87.5	109.4	126.8	156.5	131.3	120.6	112.2	110.0	104.4
82.5°	229.5	102.1	60.6	82.5	100.4	129.6	117.8	99.3	84.7	83.6	74.6
85°	53.3	42.1	33.1	43.8	63.4	84.7	84.7	62.3	52.7	68.4	50.5
87.5°	5.0	6.2	6.7	6.2	7.9	7.3	18.0	18.0	16.3	10.7	7.3
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)