

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: P416958

Luminaire Tested: **LXF.LXT-PA1-80-830-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-830-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7308 lumens
Efficiency: N/A
Efficacy: 88.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G3

Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): 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

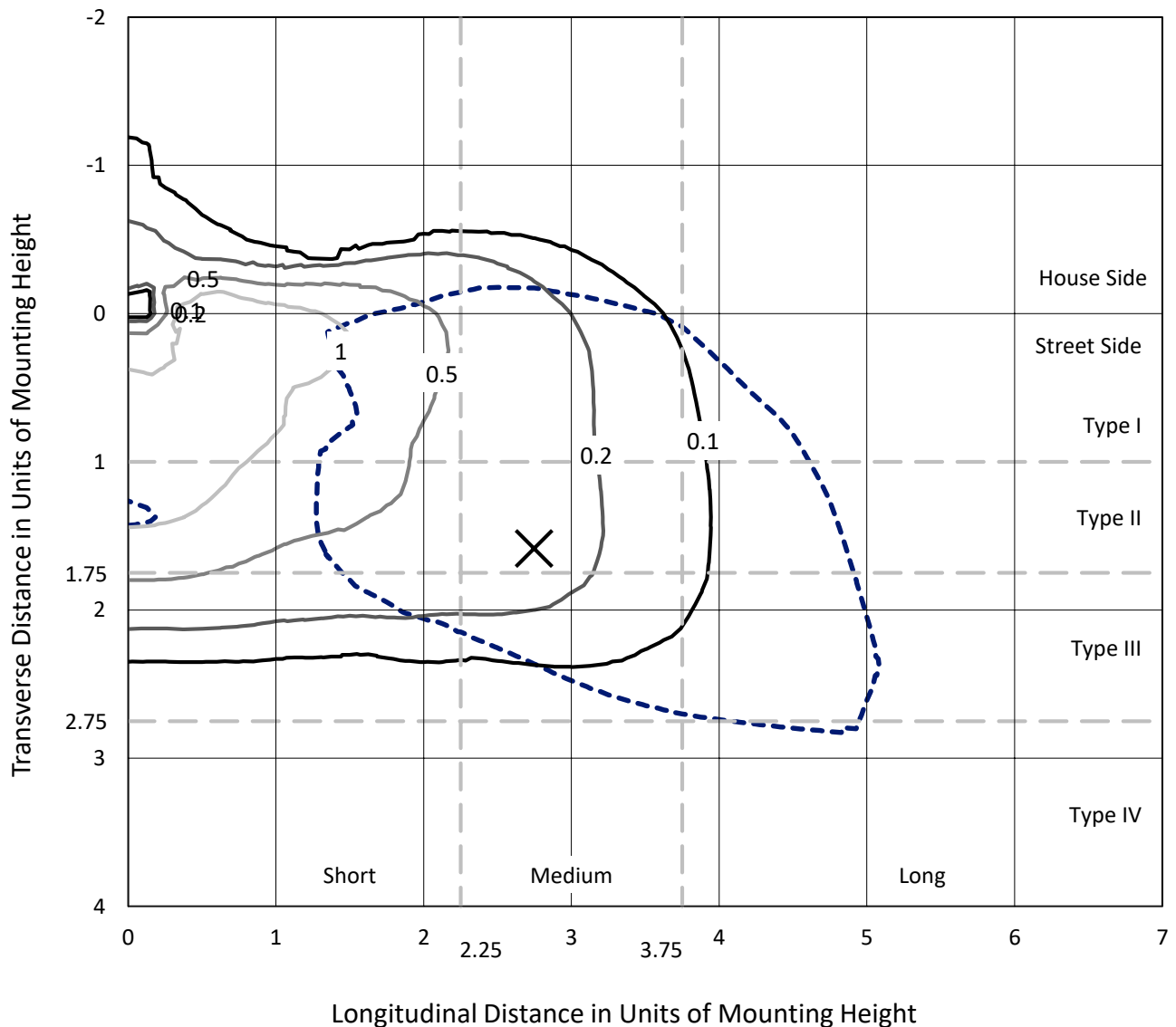


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Iso-Footcandle Lines of Horizontal Illumination

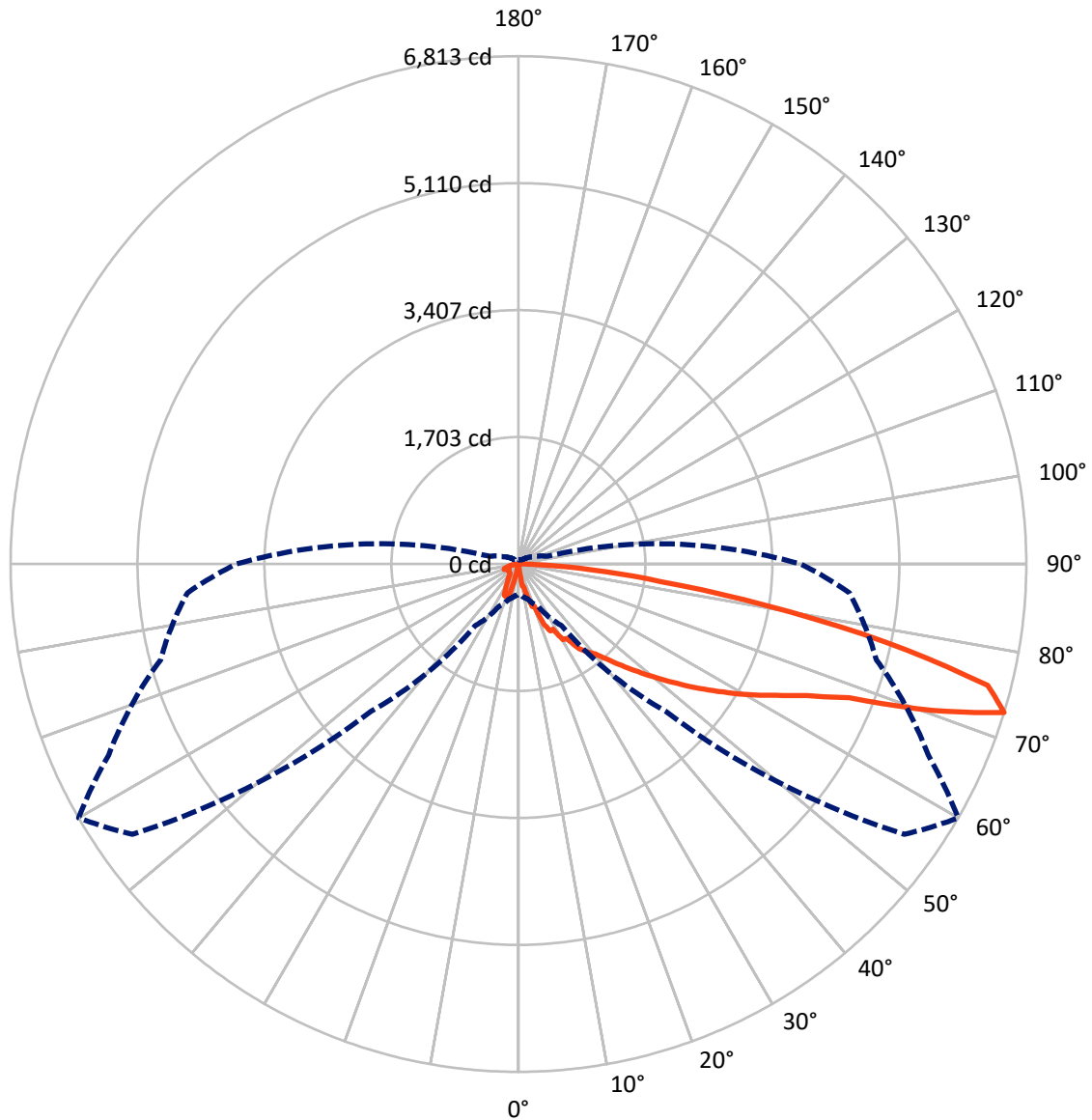
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



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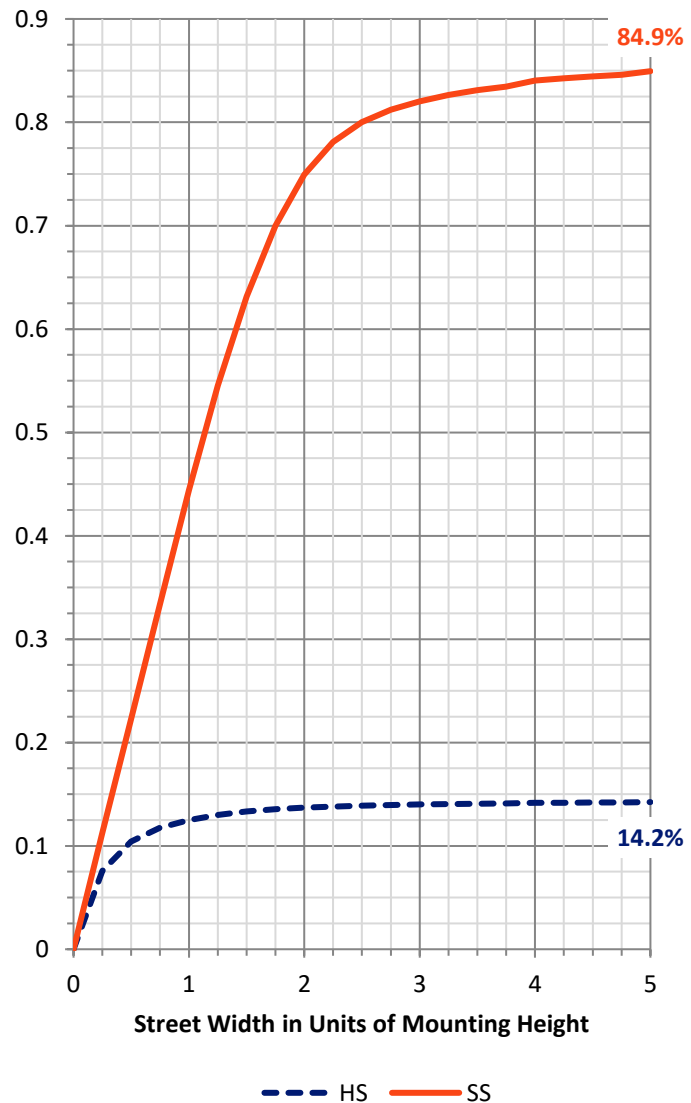
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1052.5	0.0	1052.5
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	6255.6	0.0	6255.6
	% Fixture	85.6	0.0	85.6
Total	Lumens	7308.0	0.0	7308.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.7	0.1
10°-20°	106.6	1.5
20°-30°	320.8	4.4
30°-40°	634.6	8.7
40°-50°	1051.1	14.4
50°-60°	1570.2	21.5
60°-70°	1867.9	25.6
70°-80°	1495.3	20.5
80°-90°	253.8	3.5
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°	7308.0	100.0
0°-180°	7308.0	100.0

Coefficient of Utilization



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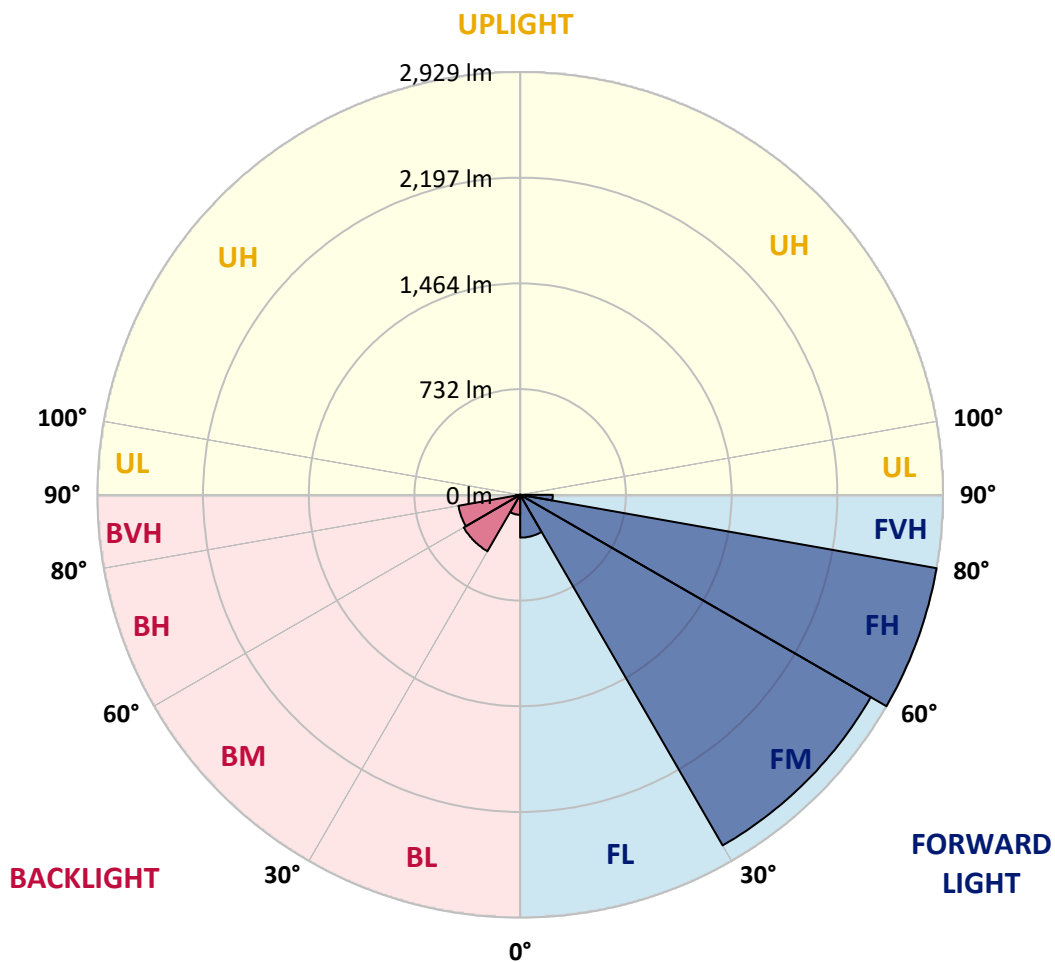
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	296.6	4.1			
FM	(30°-60°)	2804.3	38.4			
FH	(60°-80°)	2928.8	40.1			G2/5000
FVH	(80°-90°)	225.8	3.1			G3/500
BL	(0°-30°)	138.5	1.9	B1/500		
BM	(30°-60°)	451.6	6.2	B1/1000		
BH	(60°-80°)	434.4	5.9	B1/500		G1/500
BVH	(80°-90°)	28.0	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	4.0	4.0	4.8	5.6	5.6	4.8	4.0	4.0	4.0	3.2	4.0
5°	273.1	137.7	92.4	43.8	32.6	15.9	6.4	4.8	4.8	4.0	4.0
7.5°	313.7	313.7	314.5	317.7	320.1	321.6	39.8	20.7	8.0	4.0	4.0
10°	302.5	300.1	301.7	304.9	308.1	312.9	318.5	302.5	35.8	6.4	4.8
12.5°	558.9	557.3	538.2	328.0	304.1	304.1	312.1	312.9	246.0	23.9	23.1
15°	539.0	538.2	540.6	546.2	554.9	314.5	319.3	464.9	605.9	426.7	496.0
17.5°	554.1	547.7	533.4	530.2	538.2	505.6	594.7	601.9	615.4	490.4	502.4
20°	760.3	757.9	757.9	638.5	526.3	735.6	698.2	602.7	618.6	709.4	888.5
22.5°	757.9	753.9	748.4	747.6	857.4	715.7	726.9	871.8	906.8	1039.8	1003.9
25°	1030.2	1019.9	863.8	753.2	851.9	801.7	971.3	996.8	921.9	1078.8	1027.0
27.5°	1118.6	1098.7	1049.3	961.7	858.2	974.5	969.7	990.4	1016.7	1474.5	1411.6
30°	1519.0	1425.1	1160.8	1117.0	1026.2	986.4	1105.0	1177.5	1284.2	1444.2	1470.5
32.5°	1699.8	1665.5	1536.6	1374.9	1199.0	1065.2	1208.5	1190.2	1293.7	1755.5	1885.3
35°	2089.9	2047.7	1694.2	1548.5	1394.0	1305.7	1242.8	1390.1	1517.5	1825.6	1921.1
37.5°	2166.3	2156.8	2074.8	1813.6	1606.6	1435.4	1454.6	1494.4	1577.2	1923.5	2022.2
40°	2226.0	2226.8	2250.7	2025.4	1802.5	1644.0	1586.7	1587.5	1658.4	2084.3	2152.0
42.5°	2383.7	2390.0	2454.5	2214.1	2039.7	1887.7	1788.1	1744.4	1798.5	2269.0	2311.2
45°	2667.9	2653.5	2708.5	2408.3	2218.1	2087.5	2007.9	1941.0	1969.7	2465.7	2514.2
47.5°	3025.3	2995.1	2976.8	2650.4	2412.3	2300.1	2226.0	2156.0	2164.7	2653.5	2746.7
50°	3301.6	3286.5	3191.7	2833.5	2579.5	2514.2	2483.2	2396.4	2359.0	2862.9	3012.6
52.5°	3419.4	3405.1	3288.1	2972.0	2711.7	2718.8	2773.0	2659.9	2554.8	3089.8	3265.8
55°	3398.7	3386.8	3309.6	3040.5	2807.2	2916.3	3058.0	2944.9	2808.8	3304.0	3523.7
57.5°	3245.9	3251.5	3250.7	3045.3	2880.5	3101.8	3336.6	3239.5	3077.9	3516.6	3733.1
60°	2908.3	2937.8	3047.6	3011.0	2973.6	3276.9	3607.3	3562.0	3390.8	3749.8	3926.6
62.5°	2329.5	2387.6	2628.1	2823.9	3048.4	3522.1	3871.7	3877.2	3714.8	3930.6	4076.3
65°	1571.6	1566.8	1925.1	2410.7	2960.1	3907.5	4266.5	4255.4	4015.0	4136.8	4296.8
67.5°	873.4	892.5	1127.3	1595.5	2620.1	4146.3	5024.5	4785.6	4429.0	4451.2	4606.5
70°	540.6	563.7	642.5	891.7	1677.5	3867.7	5998.2	5886.7	5194.0	4868.4	4731.5
72.5°	410.8	423.5	487.2	632.1	1009.5	2797.7	6321.4	6813.4	6066.6	4971.1	4459.2
75°	245.2	260.3	347.1	546.2	841.5	1448.2	5480.7	6501.3	6343.7	4905.8	3891.6
77.5°	152.9	156.8	187.1	381.4	775.4	911.6	3754.6	5035.6	5170.2	4155.1	2749.9
80°	117.0	117.8	129.0	203.0	626.6	863.0	2174.3	3362.9	3296.0	2218.9	1080.4
82.5°	74.0	78.8	100.3	124.2	297.8	841.5	1285.0	1914.7	1685.4	600.3	300.9
85°	37.4	42.2	70.9	85.2	144.1	911.6	911.6	981.6	690.3	201.4	113.8
87.5°	6.4	6.4	9.6	22.3	28.7	154.5	254.8	222.1	146.5	27.1	22.3
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°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	4.0	4.0	4.0	3.2	2.4	1.6	0.8	0.8	0.8	1.6	1.6
5°	4.0	4.0	4.0	3.2	2.4	1.6	0.8	0.8	1.6	2.4	2.4
7.5°	4.0	4.0	4.0	3.2	2.4	2.4	1.6	3.2	7.2	93.1	62.9
10°	4.8	4.8	4.8	4.0	3.2	8.8	272.3	287.4	288.2	286.6	283.4
12.5°	25.5	27.9	20.7	7.2	29.5	273.1	261.9	249.2	244.4	238.8	238.8
15°	503.2	496.8	468.9	345.5	211.8	243.6	218.9	202.2	313.7	309.7	312.9
17.5°	504.8	493.6	453.8	494.4	458.6	218.9	248.4	269.9	254.8	249.2	251.6
20°	957.8	906.0	460.2	461.0	393.3	388.5	211.0	199.0	201.4	206.2	207.8
22.5°	975.3	915.6	706.2	597.1	337.6	311.3	215.8	172.8	255.6	284.2	287.4
25°	983.2	908.4	667.2	528.6	381.4	233.3	208.6	189.5	233.3	261.9	263.5
27.5°	1390.1	1259.5	911.6	449.0	294.6	204.6	195.1	178.3	209.4	259.5	260.3
30°	1378.1	1224.5	844.7	434.7	227.7	188.7	168.8	186.3	197.4	211.0	211.0
32.5°	1792.1	1571.6	937.1	350.3	191.1	156.8	159.2	169.6	170.4	201.4	203.8
35°	1792.9	1537.4	807.3	320.1	164.0	143.3	145.7	156.8	173.6	193.5	196.6
37.5°	1820.8	1522.2	695.8	249.2	164.0	143.3	138.5	149.7	161.6	189.5	192.7
40°	1879.7	1528.6	589.9	207.0	158.4	140.9	136.9	145.7	160.0	175.9	177.5
42.5°	1980.0	1564.4	489.6	187.1	154.5	140.9	131.4	137.7	145.7	178.3	181.5
45°	2139.2	1640.9	412.4	179.1	152.9	135.3	125.0	126.6	132.2	211.0	219.7
47.5°	2325.5	1746.7	345.5	175.2	150.5	129.8	115.4	117.0	129.8	239.6	251.6
50°	2540.5	1903.6	305.7	174.4	148.1	121.8	108.3	117.0	143.3	238.8	244.4
52.5°	2792.9	2062.8	284.2	177.5	146.5	114.6	112.3	131.4	136.1	191.9	191.9
55°	3019.8	2239.6	285.8	179.9	141.7	114.6	115.4	111.5	107.5	132.2	133.0
57.5°	3242.7	2415.5	312.1	175.2	134.5	115.4	99.5	91.6	93.1	112.3	114.6
60°	3436.2	2585.1	390.9	164.8	128.2	104.3	92.4	86.0	87.6	113.1	115.4
62.5°	3644.7	2792.1	541.4	168.8	127.4	98.7	86.0	78.8	82.0	93.9	95.5
65°	3926.6	3081.1	676.7	199.0	132.2	95.5	78.8	74.8	75.6	76.4	76.4
67.5°	4202.8	3259.4	652.8	234.9	148.1	93.9	74.8	70.1	69.3	69.3	69.3
70°	4175.8	3066.0	517.5	249.2	160.8	93.9	71.7	65.3	63.7	63.7	63.7
72.5°	3784.9	2622.5	397.3	230.9	148.1	90.0	66.9	59.7	57.3	57.3	57.3
75°	3220.4	2103.4	333.6	200.6	121.0	77.2	58.9	53.3	51.7	51.7	51.0
77.5°	2057.2	1243.6	283.4	163.2	93.1	62.9	51.0	46.2	46.2	46.2	43.8
80°	825.6	547.0	220.5	129.0	72.4	50.2	42.2	39.8	39.0	38.2	35.8
82.5°	313.7	269.9	143.3	93.9	55.7	38.2	34.2	31.8	31.8	31.0	27.1
85°	112.3	105.1	66.1	54.1	34.2	23.9	26.3	23.9	23.1	20.7	17.5
87.5°	23.9	26.3	18.3	11.9	11.9	7.2	8.8	9.6	9.6	8.8	4.8
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)