

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: P417150

Luminaire Tested: **LXF.LXT-PA1-90-730-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417150
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-3)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-730-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9054 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B2 - U0 - G3

Input Watts (W): 94
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

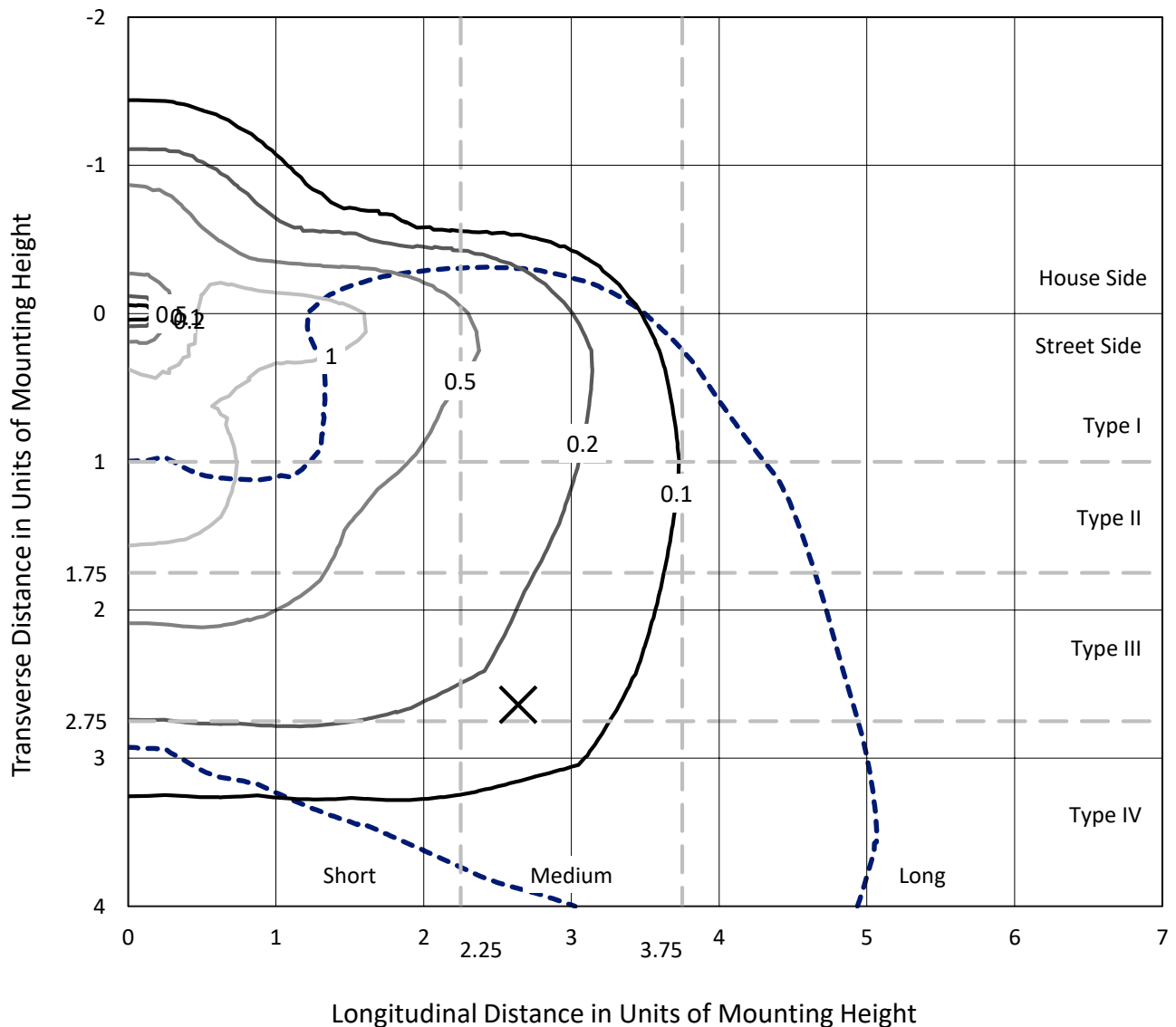


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Iso-Footcandle Lines of Horizontal Illumination

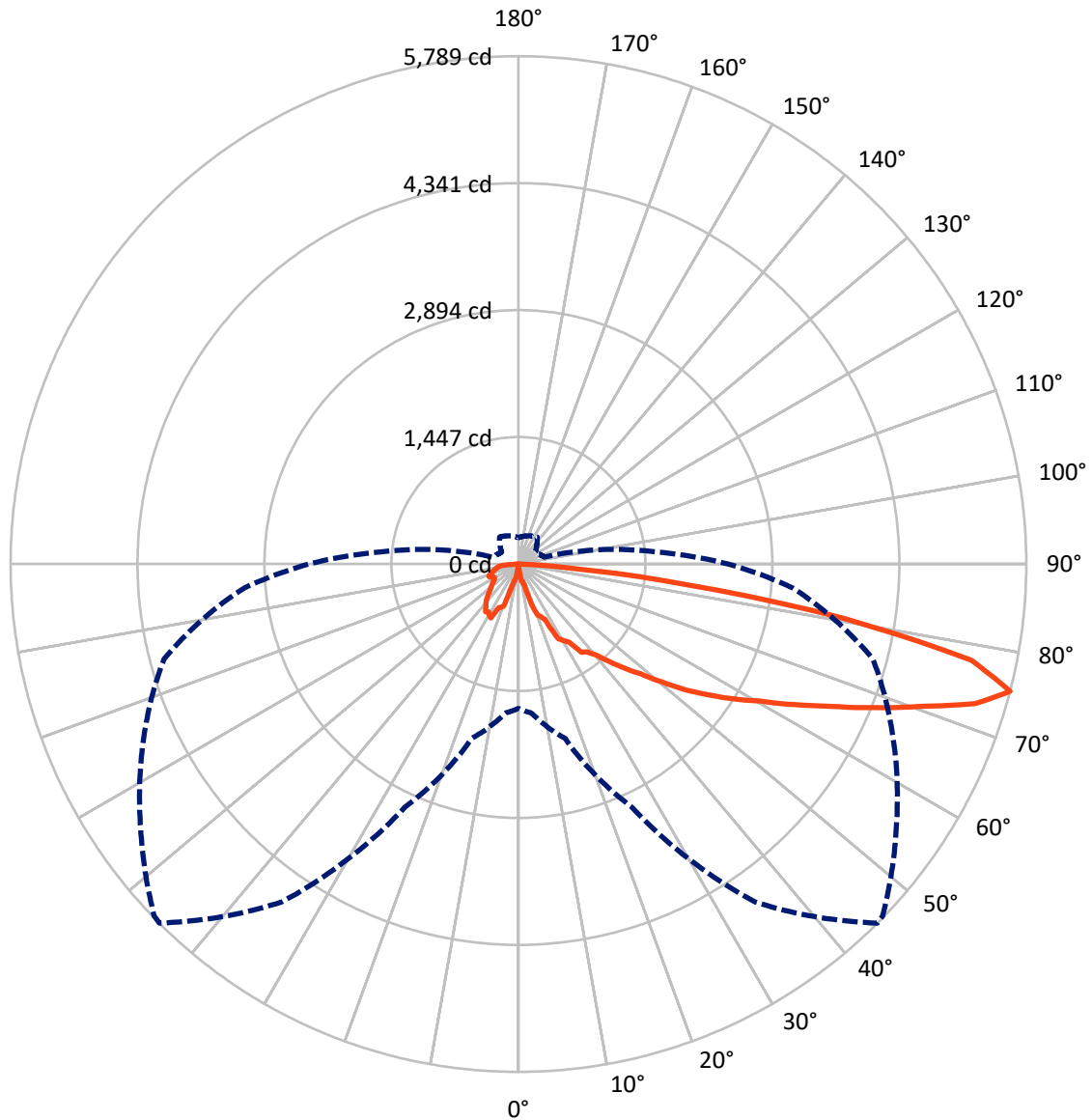
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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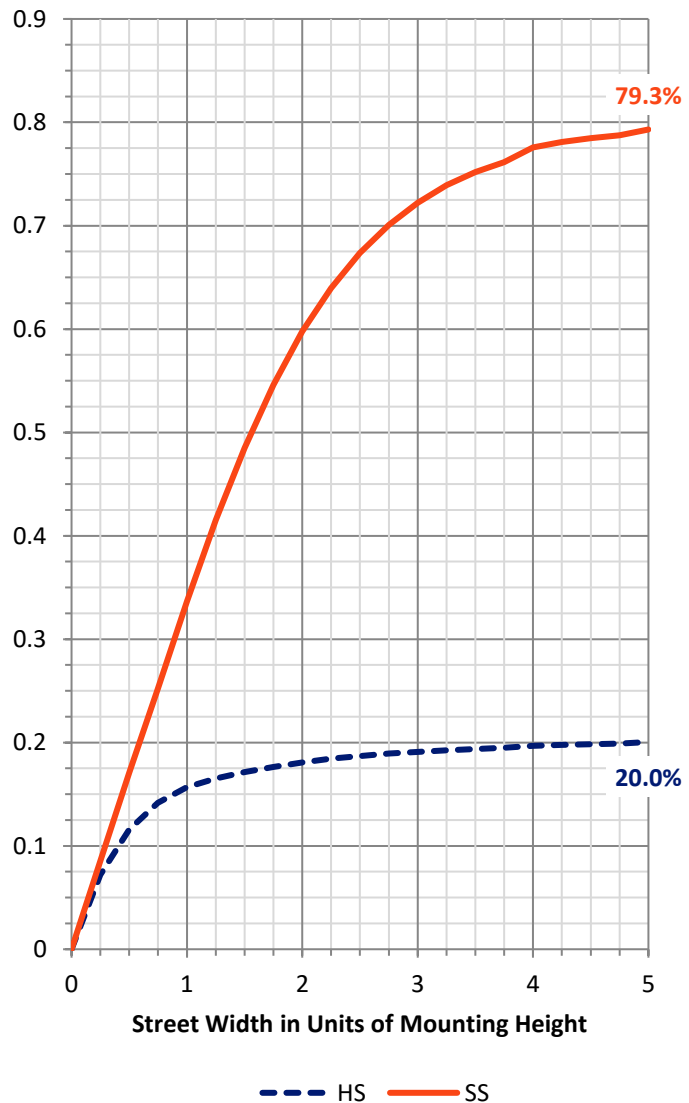
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1857.0	0.0	1857.0
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	7197.0	0.0	7197.0
	% Fixture	79.5	0.0	79.5
Total	Lumens	9054.0	0.0	9054.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.0	0.1
10°-20°	93.5	1.0
20°-30°	347.9	3.8
30°-40°	716.8	7.9
40°-50°	1136.5	12.6
50°-60°	1796.6	19.8
60°-70°	2524.1	27.9
70°-80°	2101.3	23.2
80°-90°	331.3	3.7
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°	9054.0	100.0
0°-180°	9054.0	100.0

Coefficient of Utilization



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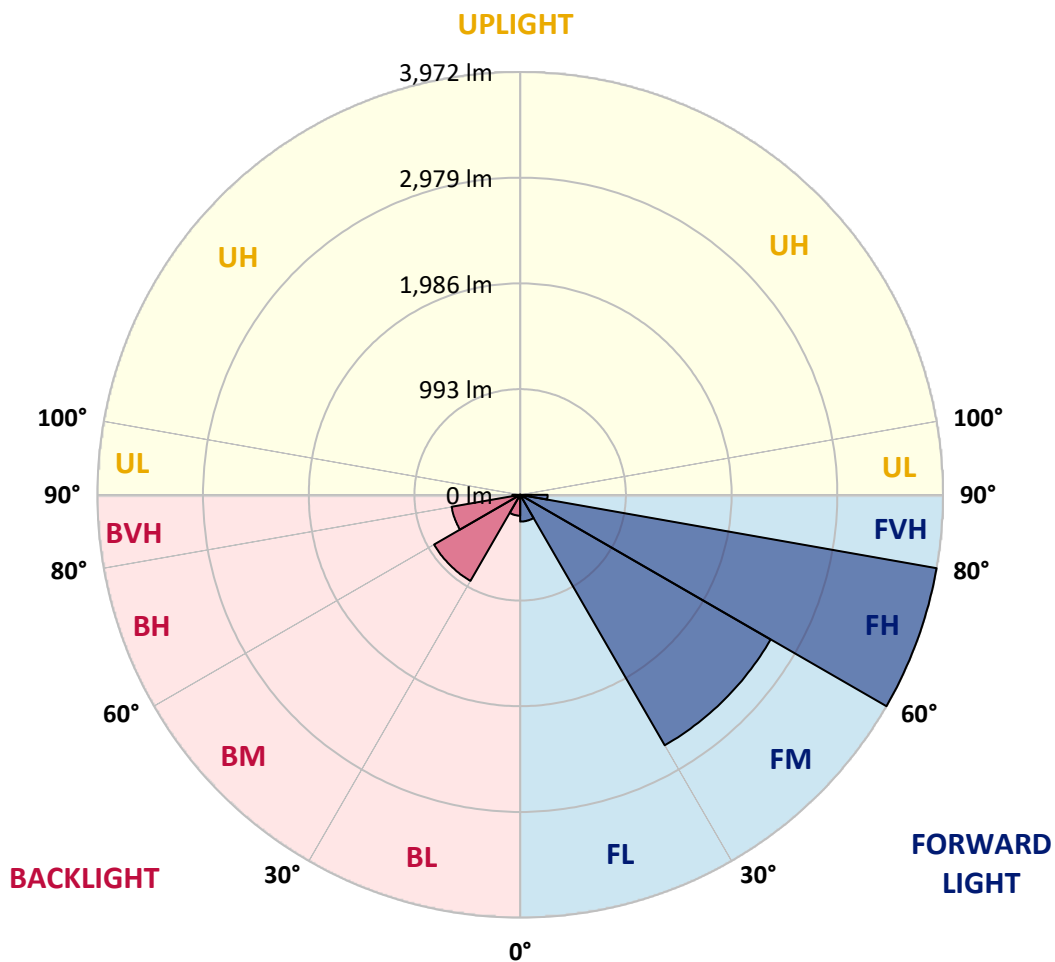
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	251.4	2.8			
FM	(30°-60°)	2716.6	30.0			
FH	(60°-80°)	3971.7	43.9			G2/5000
FVH	(80°-90°)	257.3	2.8			G3/500
BL	(0°-30°)	195.9	2.2	B1/500		
BM	(30°-60°)	933.3	10.3	B1/1000		
BH	(60°-80°)	653.7	7.2	B2/1000		G2/1000
BVH	(80°-90°)	74.0	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-G3

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	4.9	4.9	4.9	4.9	4.9	3.9	3.9	2.9	3.9	3.9	3.9
5°	69.7	65.8	52.0	46.2	38.3	15.7	12.8	5.9	4.9	4.9	3.9
7.5°	207.2	205.2	202.3	195.4	186.6	116.9	101.1	36.3	6.9	4.9	3.9
10°	228.8	224.9	220.0	213.1	205.2	195.4	194.4	178.7	32.4	10.8	8.8
12.5°	449.7	441.9	369.2	267.1	220.9	209.2	209.2	202.3	146.3	51.1	119.8
15°	483.1	479.2	465.4	447.8	421.2	242.5	237.6	316.2	389.8	273.0	289.7
17.5°	543.0	534.2	491.9	470.3	450.7	489.0	486.1	452.7	427.1	302.4	325.0
20°	757.1	752.2	734.5	526.3	485.1	618.6	620.6	513.6	464.5	535.2	531.2
22.5°	774.7	773.8	761.0	729.6	768.9	649.1	650.0	682.4	678.5	709.9	644.1
25°	1013.4	1010.4	819.9	752.2	839.6	699.1	730.6	846.4	756.1	769.8	804.2
27.5°	1039.9	1037.9	1027.1	980.0	869.0	963.3	963.3	874.9	963.3	1008.4	1014.3
30°	1182.2	1144.9	1069.3	1046.7	1012.4	1011.4	1014.3	1013.4	1114.5	1055.6	1114.5
32.5°	1390.4	1382.6	1355.1	1135.1	1125.3	1060.5	1093.9	1170.5	1163.6	1342.3	1418.9
35°	1690.9	1583.9	1486.6	1309.9	1168.5	1235.3	1240.2	1213.7	1355.1	1412.0	1520.0
37.5°	2110.2	2080.7	1943.2	1474.9	1302.0	1269.6	1272.6	1359.0	1440.5	1503.3	1624.1
40°	2415.6	2399.8	2304.6	1805.8	1427.7	1362.9	1369.8	1425.8	1501.4	1613.3	1739.0
42.5°	2708.2	2708.2	2652.2	2088.6	1697.8	1522.0	1517.1	1528.9	1582.9	1700.7	1908.9
45°	2898.7	2887.9	2935.0	2354.7	1899.1	1692.9	1674.2	1671.3	1690.9	1830.3	2136.7
47.5°	3090.1	3060.7	3105.9	2623.7	2162.2	1869.6	1871.6	1835.2	1861.7	2075.8	2448.0
50°	3292.4	3298.3	3292.4	2850.6	2420.5	2110.2	2093.5	2047.3	2100.4	2363.5	2796.6
52.5°	3581.1	3560.5	3502.6	3139.2	2750.4	2377.3	2350.8	2284.0	2408.7	2702.3	3232.5
55°	3791.2	3771.6	3755.9	3448.6	3003.7	2635.5	2619.8	2546.2	2779.9	3044.0	3682.3
57.5°	4020.0	3996.5	4041.6	3870.8	3401.4	2905.5	2884.9	2839.8	3160.8	3433.8	4139.8
60°	4174.2	4175.2	4298.9	4175.2	3733.3	3175.6	3155.9	3189.3	3509.4	3791.2	4633.7
62.5°	4174.2	4206.6	4478.6	4508.1	4088.8	3528.1	3493.7	3512.4	3888.5	4166.3	5039.3
65°	3778.5	3818.7	4453.1	4604.3	4445.2	3909.1	3892.4	3880.6	4246.9	4462.9	5357.4
67.5°	3374.9	3425.0	4066.2	4609.2	4736.9	4371.6	4310.7	4211.5	4556.2	4683.8	5528.3
70°	3095.1	3136.3	3645.9	4451.1	4925.4	4856.6	4816.4	4555.2	4763.4	4824.2	5335.8
72.5°	2640.4	2644.4	3098.0	4117.3	5052.1	5442.9	5348.6	4936.2	4880.2	4732.9	4524.8
75°	1645.7	1705.6	2059.1	3055.8	4702.5	5788.5	5770.8	5256.3	4713.3	4182.1	3137.3
77.5°	612.7	648.1	861.2	1569.1	3365.1	5279.9	5295.6	4908.7	3986.7	3030.3	1685.0
80°	199.3	214.1	284.8	505.7	1494.5	3757.9	3880.6	3481.9	2445.0	1539.7	709.9
82.5°	111.0	107.0	165.0	262.2	638.3	1947.2	2027.7	1674.2	1152.8	644.1	265.1
85°	51.1	53.0	78.6	142.4	340.7	543.0	586.2	572.5	437.0	265.1	97.2
87.5°	10.8	12.8	17.7	33.4	53.0	46.2	33.4	58.9	85.4	62.8	16.7
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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	3.9	3.9	2.9	2.9	2.0	2.0	1.0	1.0	2.0	2.0	2.0
5°	3.9	3.9	2.9	2.9	2.9	2.9	3.9	6.9	7.9	8.8	7.9
7.5°	3.9	3.9	3.9	3.9	4.9	9.8	46.2	141.4	150.2	153.2	157.1
10°	8.8	7.9	7.9	8.8	30.4	148.3	178.7	188.5	193.4	196.4	195.4
12.5°	136.5	135.5	50.1	30.4	142.4	187.5	192.5	198.4	208.2	218.0	214.1
15°	288.7	287.7	265.1	274.9	276.9	204.2	208.2	340.7	363.3	378.0	383.0
17.5°	314.2	317.2	308.3	380.0	388.8	309.3	346.6	380.0	387.9	392.8	393.8
20°	583.3	524.4	448.7	425.2	414.4	510.6	386.9	390.8	504.7	541.0	545.0
22.5°	641.2	636.3	595.1	612.7	517.5	532.2	500.8	528.3	579.3	590.1	590.1
25°	827.8	818.9	679.5	638.3	656.9	546.9	632.4	575.4	594.1	613.7	615.7
27.5°	1017.3	1006.5	907.3	717.8	651.0	690.3	642.2	694.2	751.2	778.7	779.7
30°	1105.7	1090.9	946.6	809.1	677.5	675.6	674.6	767.9	763.0	780.6	785.5
32.5°	1469.0	1445.4	1209.7	795.4	703.1	642.2	715.8	747.3	859.2	914.2	920.1
35°	1557.3	1527.9	1215.6	879.8	663.8	661.8	663.8	766.9	827.8	867.0	875.9
37.5°	1658.5	1618.2	1201.9	824.8	679.5	616.7	631.4	692.3	824.8	913.2	920.1
40°	1784.2	1722.3	1198.0	769.8	633.3	583.3	580.3	661.8	720.7	774.7	779.7
42.5°	1958.0	1858.8	1192.1	712.9	579.3	543.0	547.9	583.3	630.4	625.5	633.3
45°	2188.7	2028.7	1182.2	662.8	524.4	492.9	490.0	515.5	537.1	505.7	496.9
47.5°	2477.4	2238.8	1198.0	614.7	473.3	443.8	444.8	455.6	459.5	425.2	417.3
50°	2805.4	2476.4	1214.7	561.7	432.1	409.5	404.6	408.5	402.6	369.2	366.3
52.5°	3196.2	2755.3	1223.5	511.6	398.7	381.0	375.1	372.2	363.3	340.7	337.8
55°	3648.9	3090.1	1242.1	471.3	371.2	354.5	351.5	347.6	344.7	331.9	329.9
57.5°	4112.3	3459.4	1231.3	430.1	344.7	329.9	335.8	342.7	350.6	345.6	344.7
60°	4537.5	3753.9	1097.8	393.8	319.1	315.2	340.7	373.1	379.0	383.9	383.0
62.5°	4855.7	3902.2	871.0	362.3	301.5	316.2	378.0	423.2	417.3	404.6	401.6
65°	4967.6	3861.0	670.7	338.8	292.6	342.7	417.3	440.9	407.5	383.9	379.0
67.5°	4893.0	3657.7	519.4	319.1	287.7	365.3	431.1	424.2	385.9	368.2	361.4
70°	4511.0	3234.5	412.4	302.4	282.8	351.5	424.2	404.6	368.2	352.5	341.7
72.5°	3691.1	2557.9	353.5	283.8	262.2	323.1	402.6	378.0	352.5	331.9	322.1
75°	2387.1	1573.1	307.3	262.2	234.7	292.6	375.1	352.5	330.9	310.3	300.5
77.5°	1148.9	714.8	269.1	235.7	209.2	270.0	352.5	326.0	304.4	283.8	272.0
80°	484.1	337.8	229.8	209.2	190.5	253.3	328.0	297.5	273.0	258.2	245.5
82.5°	235.7	186.6	174.8	169.9	165.9	230.8	301.5	264.1	238.6	224.9	196.4
85°	79.5	80.5	108.0	105.1	116.9	184.6	246.5	200.3	178.7	155.1	145.3
87.5°	7.9	10.8	14.7	18.7	38.3	51.1	84.4	68.7	54.0	20.6	13.7
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)