

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: P416551

Luminaire Tested: **LXF.LXT-PA1-70-830-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416551
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-PA1-70-830-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6627 lumens
Efficiency: N/A
Efficacy: 89.6 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 - G2

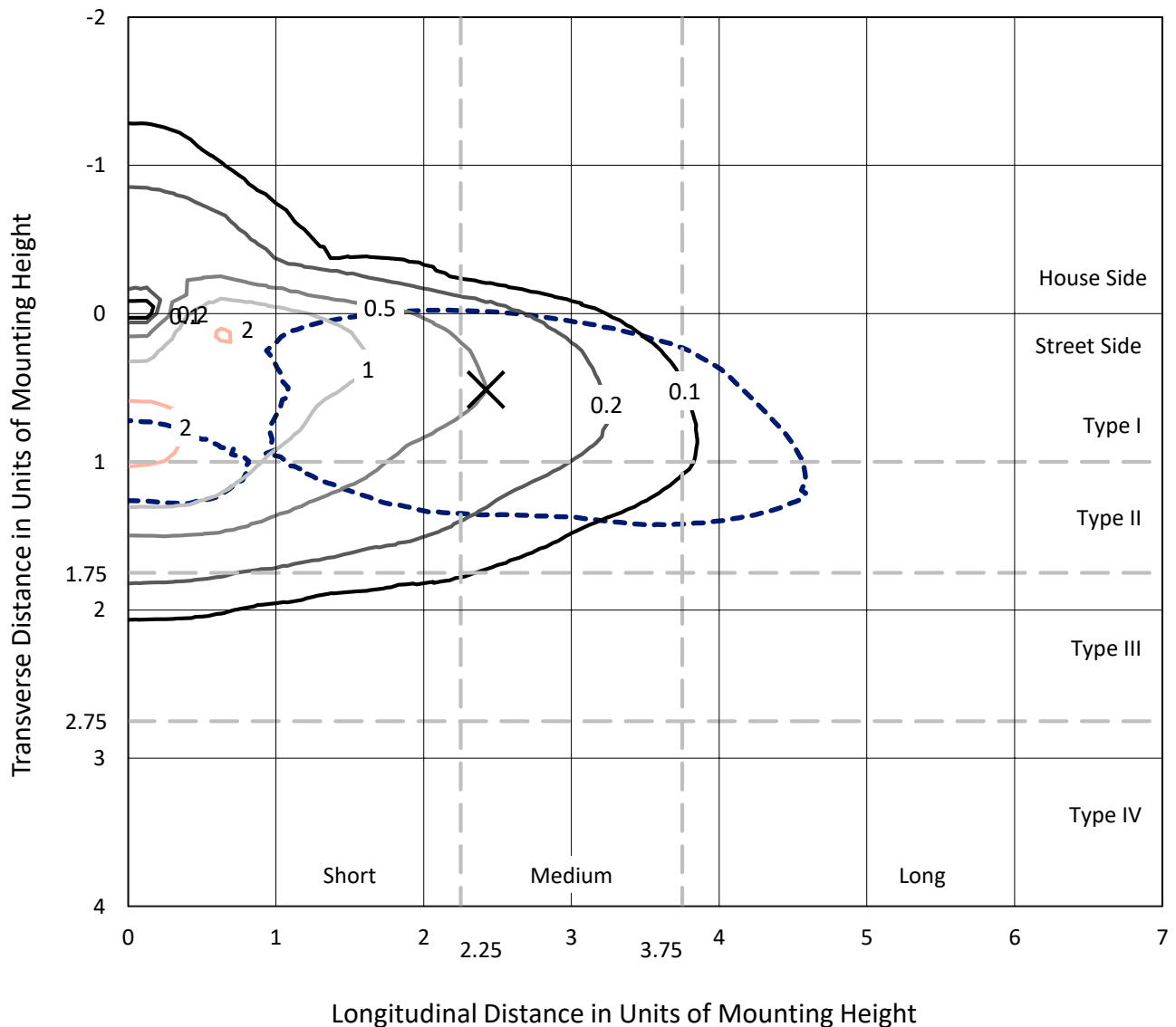
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

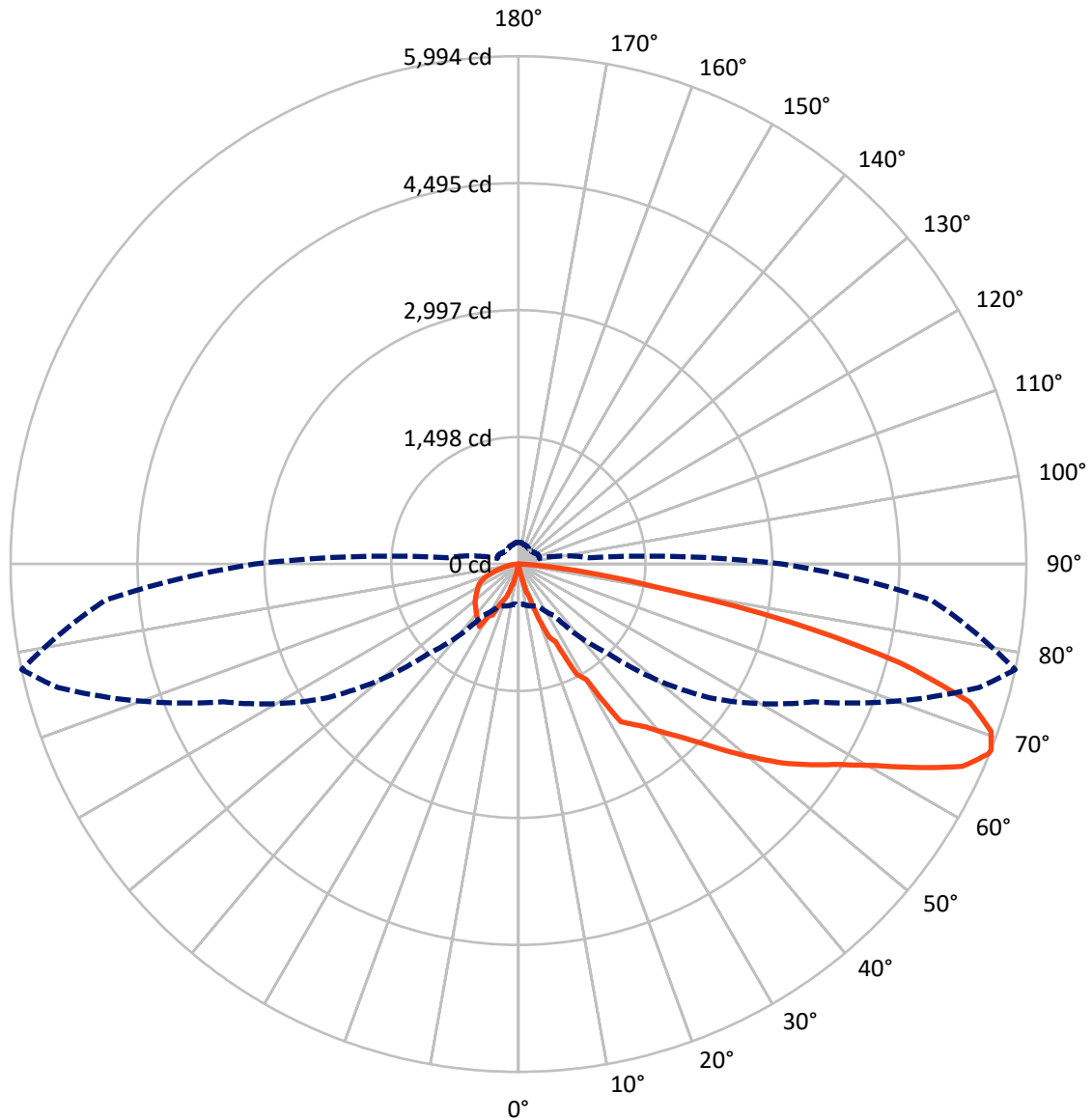


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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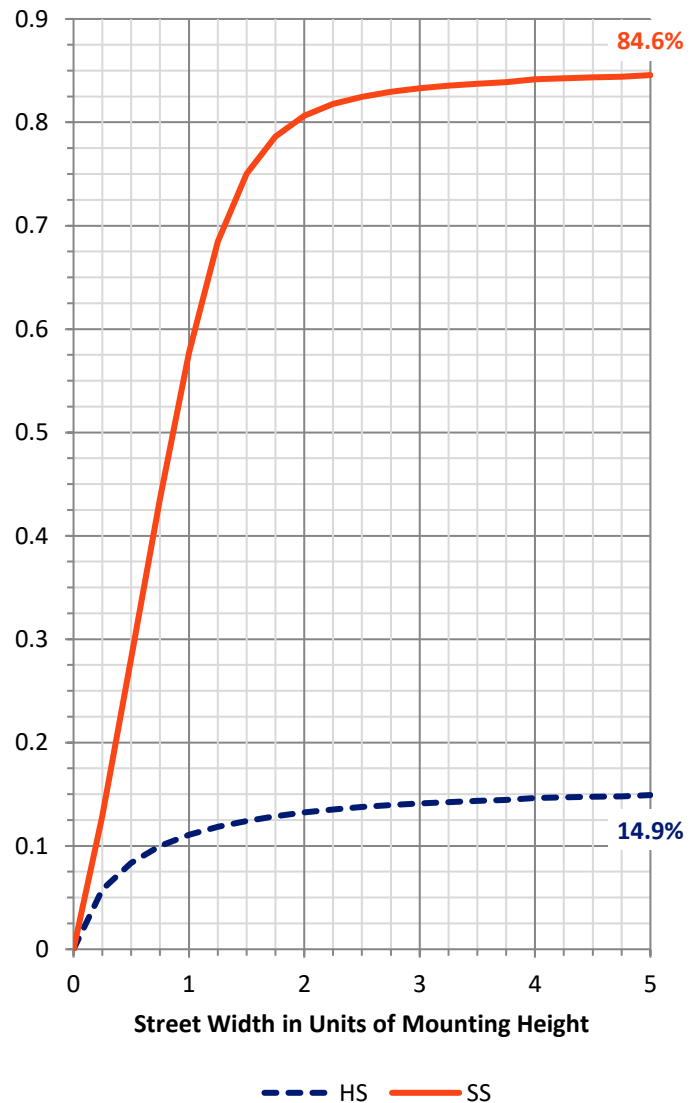
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1006.1	0.0	1006.1
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	5620.9	0.0	5620.9
	% Fixture	84.8	0.0	84.8
Total	Lumens	6627.0	0.0	6627.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.6	0.1
10°-20°	96.0	1.4
20°-30°	365.7	5.5
30°-40°	853.8	12.9
40°-50°	1333.0	20.1
50°-60°	1530.1	23.1
60°-70°	1421.8	21.5
70°-80°	878.5	13.3
80°-90°	141.5	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°	6627.0	100.0
0°-180°	6627.0	100.0



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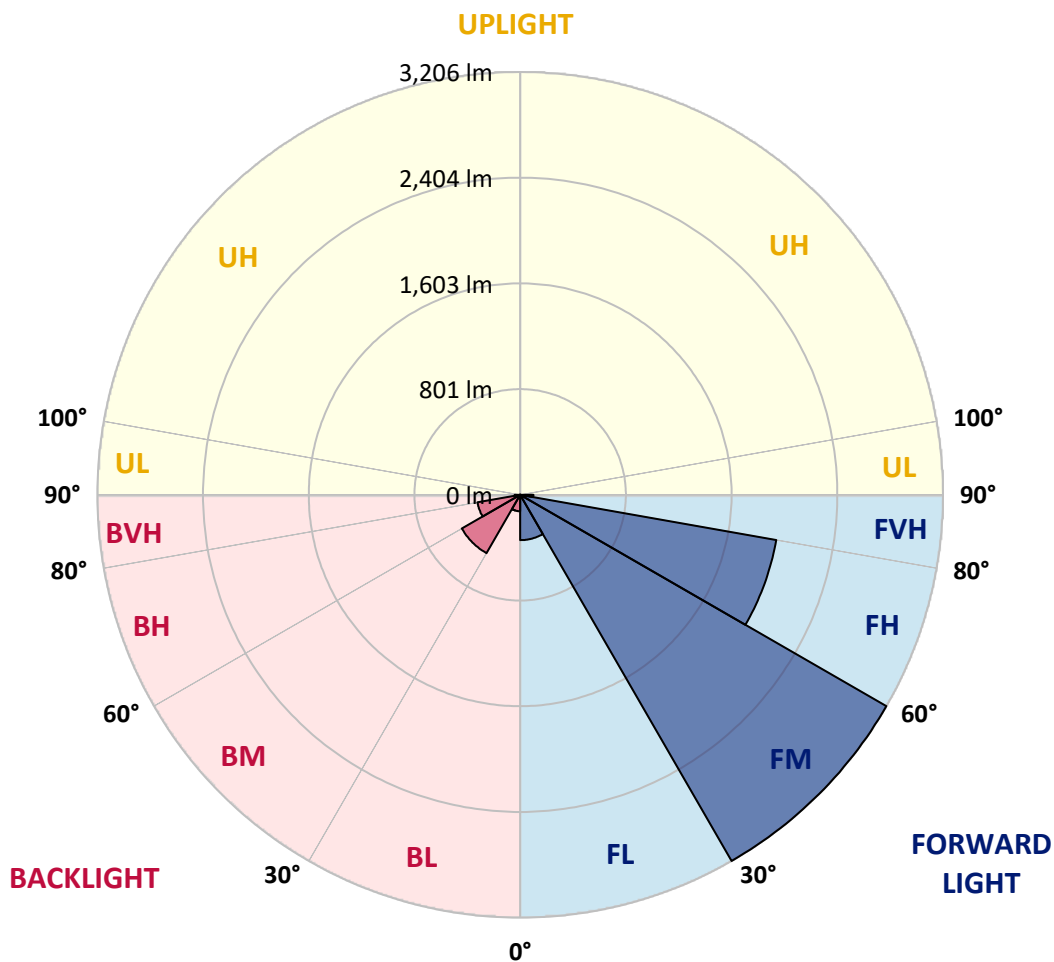
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	343.6	5.2			
FM	(30°-60°)	3205.7	48.4			
FH	(60°-80°)	1971.4	29.7			G2/5000
FVH	(80°-90°)	100.1	1.5			G2/225
BL	(0°-30°)	124.7	1.9	B1/500		
BM	(30°-60°)	511.2	7.7	B1/1000		
BH	(60°-80°)	328.9	5.0	B1/500		G1/500
BVH	(80°-90°)	41.4	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-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	5.1	5.1	5.8	6.5	8.0	7.3	5.1	3.6	2.9	2.9	2.9
5°	234.8	215.9	120.7	62.5	21.8	13.1	6.5	5.1	3.6	3.6	2.9
7.5°	265.4	263.9	261.7	259.6	255.9	242.1	25.4	7.3	4.4	4.4	2.9
10°	286.5	284.3	282.8	281.4	276.3	269.0	256.7	22.5	8.0	7.3	6.5
12.5°	556.2	554.7	552.6	353.4	299.5	291.6	280.6	200.7	23.3	34.9	105.4
15°	554.7	552.6	559.1	570.7	580.2	319.2	322.1	563.5	349.0	335.2	357.0
17.5°	578.7	575.8	568.6	576.6	594.0	667.4	631.1	610.0	410.8	391.9	381.0
20°	848.5	848.5	857.2	849.9	616.5	852.8	807.8	655.1	742.3	698.0	649.3
22.5°	897.9	894.3	895.7	910.3	1070.2	884.1	891.4	1010.6	1031.7	942.3	807.8
25°	1276.7	1276.0	1225.8	961.9	1128.4	1065.9	1231.6	1081.1	1118.9	1013.5	991.0
27.5°	1436.7	1438.1	1397.4	1361.1	1192.4	1382.1	1307.3	1423.6	1589.4	1476.7	1269.4
30°	1933.2	1914.3	1594.4	1558.8	1459.2	1457.0	1582.8	1681.0	1634.4	1581.4	1417.8
32.5°	2297.5	2278.6	2208.1	1961.6	1734.8	1622.8	1818.4	1758.8	2132.5	2219.7	1922.3
35°	2861.0	2854.4	2480.0	2225.5	2037.2	1962.3	1910.7	2142.6	2308.4	2321.5	2047.4
37.5°	3293.6	3272.5	3052.9	2604.3	2293.1	2120.1	2243.0	2246.6	2501.1	2439.3	2243.0
40°	3491.3	3478.2	3309.6	2888.6	2528.7	2333.1	2382.6	2403.7	2711.9	2605.1	2385.5
42.5°	3641.8	3625.8	3519.0	3059.5	2735.9	2549.1	2526.5	2545.4	2916.2	2786.1	2538.2
45°	3719.6	3710.2	3660.0	3180.9	2880.6	2686.5	2680.7	2670.5	3055.1	3009.3	2703.9
47.5°	3676.0	3665.8	3688.4	3345.9	2970.8	2799.2	2823.9	2805.7	3214.3	3289.2	2884.2
50°	3433.9	3443.3	3533.5	3352.5	3028.2	2890.8	2975.1	2930.0	3431.0	3584.4	3103.1
52.5°	2733.0	2771.5	3153.3	3207.1	3034.0	2933.7	3111.1	3119.8	3700.0	3899.9	3391.0
55°	2039.4	2093.9	2432.0	2852.3	2917.7	2935.1	3198.3	3293.6	3968.3	4180.6	3633.1
57.5°	1605.3	1638.8	1854.0	2275.7	2637.0	2883.5	3287.8	3434.6	4217.7	4461.2	3870.9
60°	1283.3	1262.9	1403.2	1723.1	2197.9	2738.8	3327.0	3618.6	4528.1	4823.3	4150.8
62.5°	927.7	929.2	1036.1	1218.6	1739.9	2453.1	3296.5	3796.7	4923.6	5291.5	4523.8
65°	658.0	664.5	737.2	835.4	1257.8	2060.5	3145.3	3918.1	5370.1	5759.8	4826.9
67.5°	500.9	505.3	539.5	585.3	812.9	1567.5	2834.8	3893.4	5615.1	5981.5	4914.9
68°	480.6	473.3	511.8	545.3	748.1	1486.1	2749.7	3844.0	5626.7	5993.9	4893.8
70°	405.0	405.0	422.4	430.4	530.0	1098.6	2333.1	3545.1	5585.3	5917.5	4733.9
72.5°	338.1	335.9	346.1	339.5	374.4	719.1	1694.8	3057.3	5289.4	5569.3	4257.7
75°	281.4	281.4	282.8	277.7	287.2	482.0	1101.5	2394.9	4672.8	4650.3	3465.2
77.5°	239.9	234.1	232.7	225.4	233.4	350.4	675.4	1704.2	3373.6	3252.1	2200.1
80°	190.5	189.8	191.2	186.9	193.4	255.2	411.5	996.1	1837.3	1617.0	1025.9
82.5°	117.8	129.4	142.5	142.5	162.9	180.3	249.4	532.9	890.6	783.0	435.5
85°	38.5	47.3	83.6	86.5	104.7	84.3	143.2	171.6	297.4	265.4	83.6
87.5°	1.5	2.2	6.5	10.2	9.5	5.8	10.2	8.0	16.7	12.4	13.1
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°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
2.5°	2.9	2.9	2.9	3.6	3.6	2.2	1.5	2.9	2.9	2.9	2.9
5°	2.9	2.9	3.6	3.6	3.6	2.9	3.6	5.1	5.8	5.8	5.8
7.5°	2.9	2.9	2.9	4.4	4.4	5.1	7.3	43.6	100.3	109.8	108.3
10°	5.8	5.1	5.8	6.5	8.0	93.1	122.1	128.7	131.6	133.8	133.1
12.5°	139.6	125.1	23.3	13.1	88.0	130.9	133.1	138.1	143.2	145.4	145.4
15°	327.2	293.0	223.9	168.7	150.5	139.6	141.8	186.1	253.0	259.6	260.3
17.5°	347.5	304.6	234.1	258.1	266.1	207.2	227.6	255.9	258.8	259.6	259.6
20°	655.1	548.9	333.0	271.9	271.2	346.8	242.8	250.1	254.5	289.4	293.7
22.5°	708.9	588.2	399.9	386.1	292.3	346.8	317.7	309.0	338.1	335.2	337.4
25°	891.4	706.0	421.0	387.5	409.3	335.9	373.0	307.5	312.6	311.2	311.2
27.5°	1133.5	890.6	588.2	434.1	397.7	388.2	345.4	295.9	354.8	356.3	356.3
30°	1200.4	916.1	588.2	469.0	413.7	381.7	319.2	349.7	330.1	324.3	321.4
32.5°	1663.5	1242.5	711.8	451.5	407.9	350.4	349.7	325.0	324.3	337.4	337.4
35°	1747.8	1261.4	650.0	516.2	384.6	361.3	332.3	328.6	314.1	309.0	308.3
37.5°	1831.5	1273.1	602.7	474.0	394.8	344.6	327.2	301.7	317.7	317.7	316.3
40°	1920.9	1285.4	559.8	435.5	362.8	344.6	303.2	301.0	279.2	280.6	279.2
42.5°	2016.9	1290.5	514.0	403.5	333.0	323.5	293.0	270.5	269.7	274.8	273.4
45°	2126.6	1297.1	471.9	362.8	303.2	285.0	261.7	263.2	277.0	288.6	288.6
47.5°	2243.7	1302.9	437.0	326.4	282.1	258.8	241.4	247.2	271.9	283.6	287.2
50°	2402.2	1310.2	397.0	296.6	267.6	239.2	236.3	241.4	268.3	277.0	273.4
52.5°	2570.9	1297.1	357.7	277.7	252.3	217.4	222.5	235.6	264.6	269.0	266.1
55°	2709.0	1264.4	327.2	265.4	241.4	207.9	215.2	231.2	258.8	261.0	261.7
57.5°	2869.7	1221.5	303.2	255.9	234.8	203.6	212.3	230.5	247.2	257.4	257.4
60°	3027.5	1171.3	288.6	250.8	229.8	203.6	212.3	229.8	245.0	255.9	255.2
62.5°	3212.1	1114.6	279.9	253.7	223.2	205.8	213.8	231.9	244.3	256.7	255.2
65°	3276.9	1006.2	273.4	258.1	222.5	208.7	214.5	234.8	243.6	258.1	256.7
67.5°	3148.9	863.0	262.5	258.1	229.0	212.3	213.8	233.4	241.4	258.8	252.3
68°	3106.0	841.9	258.8	257.4	229.8	213.0	213.8	232.7	239.9	258.1	250.8
70°	2867.5	708.2	240.7	250.1	232.7	215.9	210.1	227.6	232.7	256.7	247.9
72.5°	2481.5	551.8	210.1	232.7	229.8	220.3	203.6	217.4	220.3	239.9	225.4
75°	1984.1	419.5	173.8	202.1	215.9	220.3	194.1	203.6	202.8	212.3	199.2
77.5°	1247.6	299.5	140.3	171.6	196.3	214.5	185.4	185.4	176.7	178.1	172.3
80°	604.9	205.0	113.4	141.8	164.3	202.8	170.1	156.3	145.4	142.5	135.2
82.5°	297.4	132.3	78.5	106.9	130.1	168.0	152.7	128.7	109.8	108.3	96.7
85°	69.1	54.5	42.9	56.7	82.2	109.8	109.8	80.7	68.3	88.7	65.4
87.5°	6.5	8.0	8.7	8.0	10.2	9.5	23.3	23.3	21.1	13.8	9.5
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)