

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: P417245

Luminaire Tested: **LXF.LXT-PA1-90-750-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417245
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-750-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10015 lumens
Efficiency: N/A
Efficacy: 106.5 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 (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

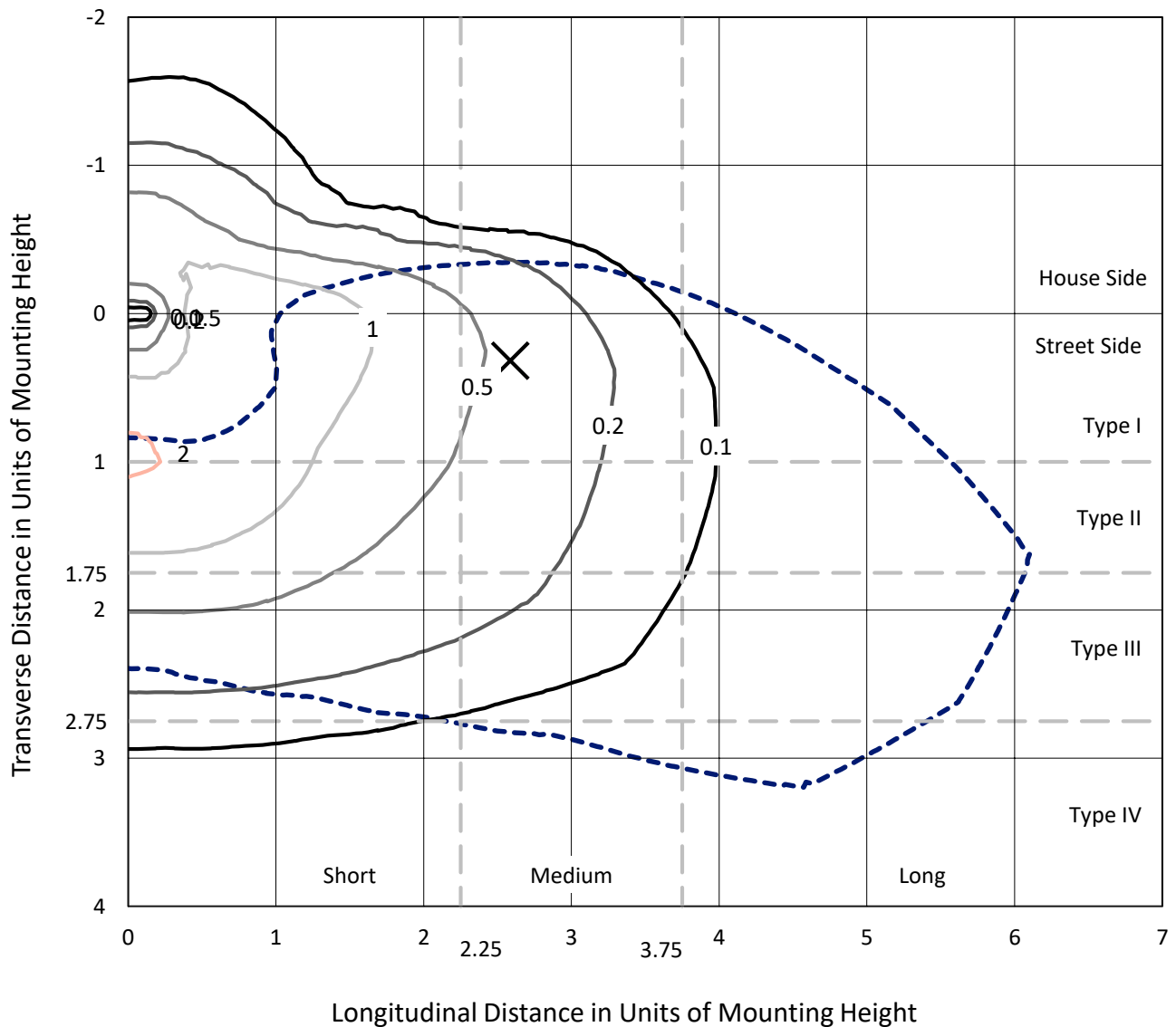


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

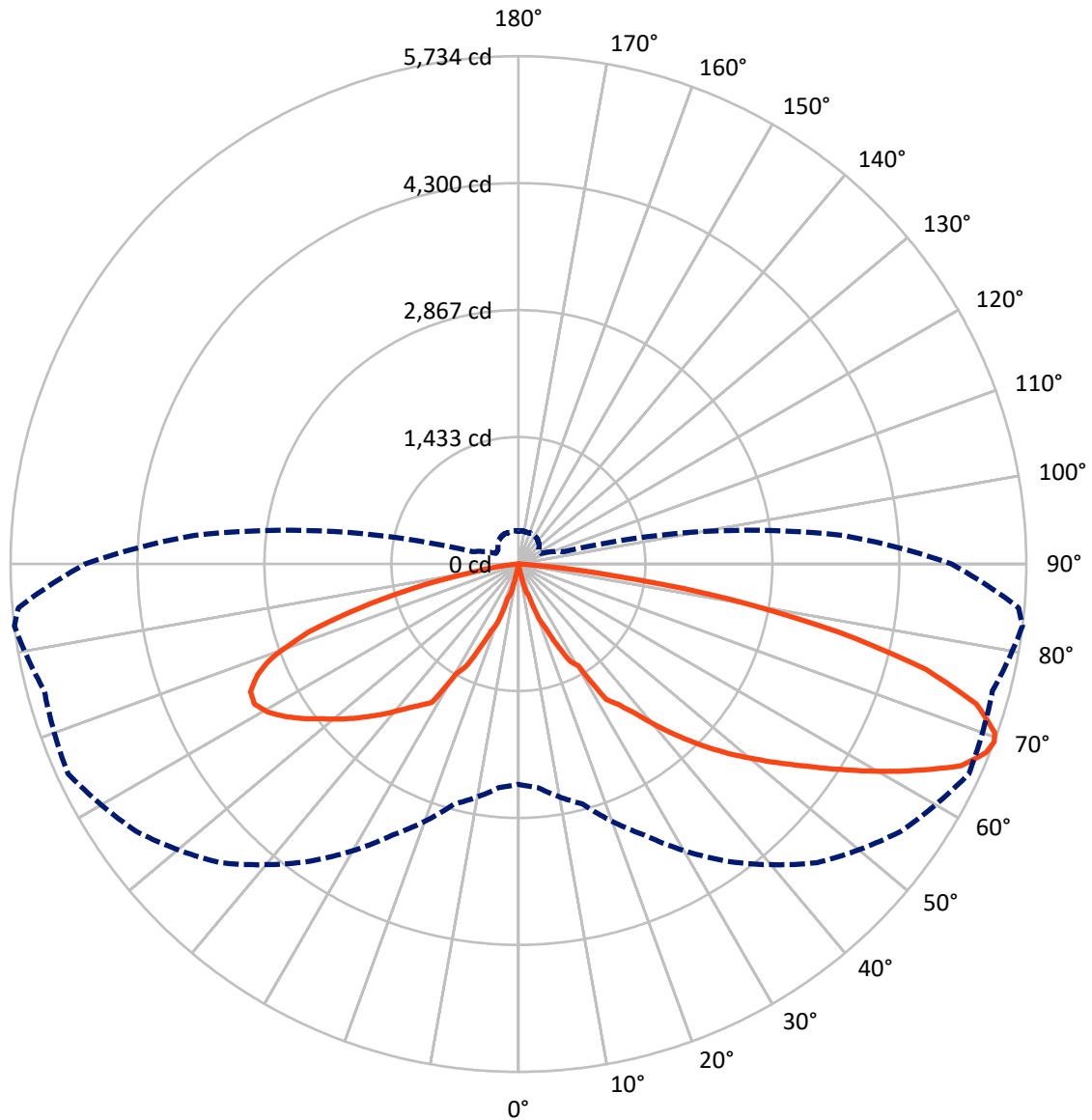


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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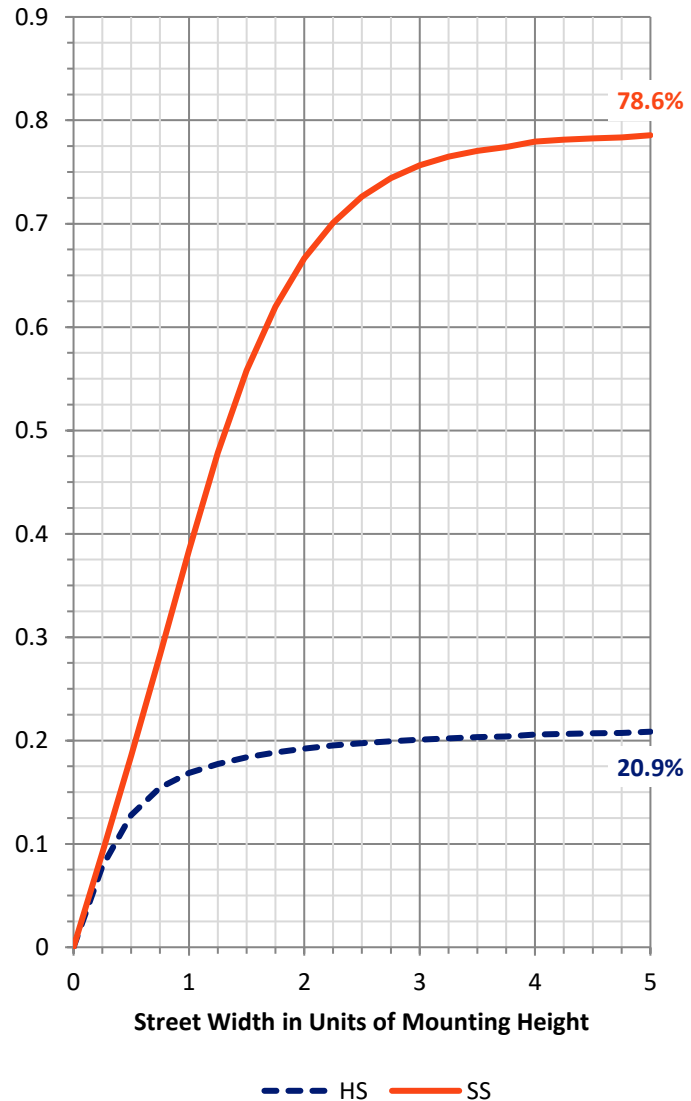
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2124.2	0.0	2124.2
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	7890.8	0.0	7890.8
	% Fixture	78.8	0.0	78.8
Total	Lumens	10015.0	0.0	10015.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.4	0.1
10°-20°	101.8	1.0
20°-30°	401.6	4.0
30°-40°	893.7	8.9
40°-50°	1517.6	15.2
50°-60°	2261.6	22.6
60°-70°	2663.5	26.6
70°-80°	1864.3	18.6
80°-90°	304.3	3.0
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°	10015.0	100.0
0°-180°	10015.0	100.0

Coefficient of Utilization



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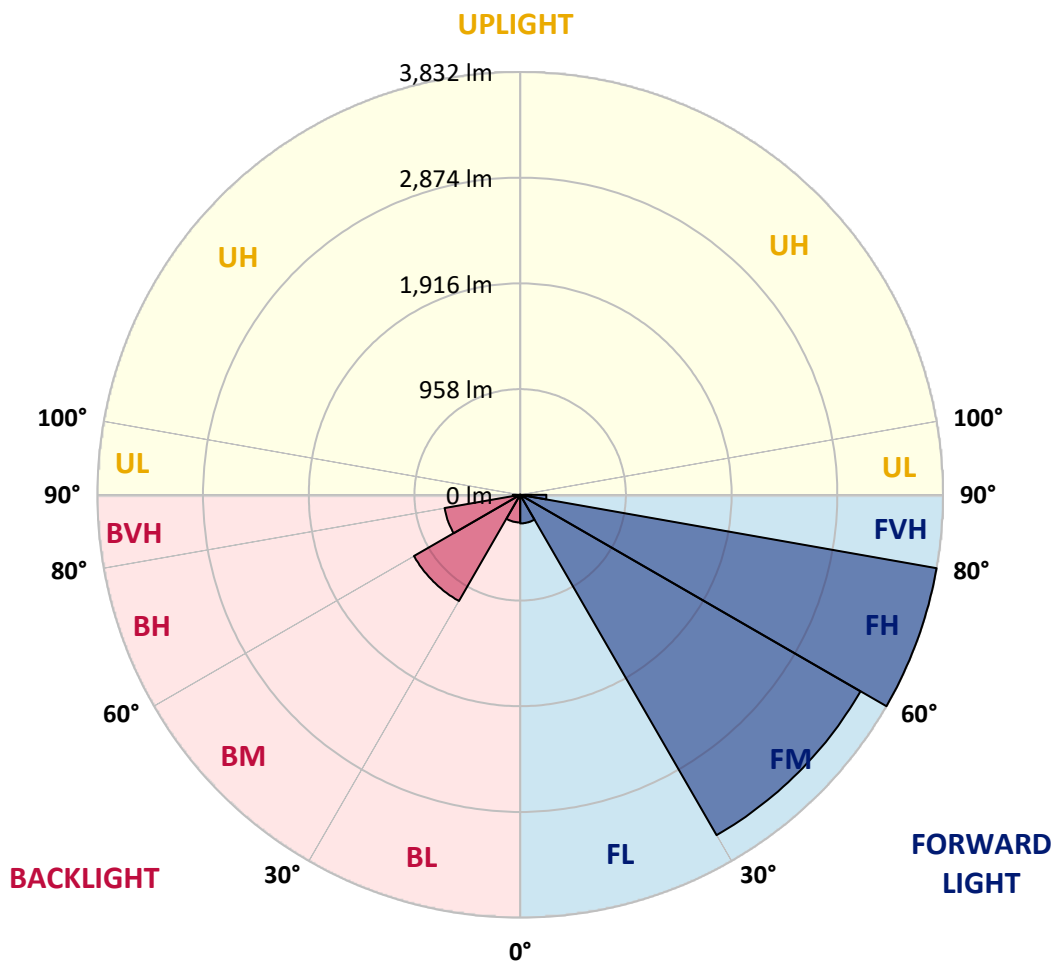
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	259.4	2.6			
FM	(30°-60°)	3561.5	35.6			
FH	(60°-80°)	3832.0	38.3			G2/5000
FVH	(80°-90°)	237.9	2.4			G3/500
BL	(0°-30°)	250.5	2.5	B1/500		
BM	(30°-60°)	1111.5	11.1	B2/2500		
BH	(60°-80°)	695.7	6.9	B2/1000		G2/1000
BVH	(80°-90°)	66.4	0.7			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°	55°	65°	75°	83°	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°	5.4	4.3	5.4	6.5	6.5	5.4	4.3	4.3	4.3	4.3	3.2
5°	87.3	63.6	57.1	50.7	30.2	10.8	6.5	4.3	4.3	4.3	4.3
7.5°	184.4	184.4	184.4	185.4	184.4	136.9	32.3	7.5	4.3	4.3	4.3
10°	186.5	185.4	184.4	185.4	187.6	188.7	182.2	25.9	10.8	9.7	9.7
12.5°	337.5	335.3	323.5	226.4	191.9	193.0	197.3	142.3	51.8	136.9	159.6
15°	358.0	355.8	355.8	356.9	338.5	210.2	296.5	388.1	276.0	329.9	335.3
17.5°	401.1	389.2	379.5	373.0	375.2	418.3	420.5	429.1	321.3	369.8	376.3
20°	614.6	610.2	575.7	441.0	411.9	543.4	484.1	476.5	601.6	653.4	664.2
22.5°	701.9	697.6	672.8	649.1	677.1	591.9	688.9	710.5	815.1	783.8	793.5
25°	953.1	949.9	811.9	751.5	825.9	680.3	850.7	814.0	900.3	1003.8	1014.6
27.5°	1166.6	1159.0	1131.0	1013.5	921.8	1019.9	941.2	1087.9	1222.6	1239.9	1272.2
30°	1385.4	1335.8	1249.6	1253.9	1135.3	1124.5	1121.3	1305.7	1310.0	1336.9	1391.9
32.5°	1743.4	1720.8	1648.5	1425.3	1399.5	1249.6	1380.1	1391.9	1711.1	1823.2	1834.0
35°	2030.2	1933.2	1865.2	1739.1	1542.9	1591.4	1537.5	1750.9	1877.1	1949.3	1993.5
37.5°	2487.3	2500.3	2389.2	1929.9	1807.0	1750.9	1844.7	1960.1	2117.5	2134.8	2201.6
40°	2816.2	2807.5	2657.7	2319.1	2044.2	1987.1	2049.6	2162.8	2376.3	2397.8	2414.0
42.5°	3294.9	3252.8	3043.7	2663.1	2408.6	2287.9	2305.1	2352.6	2566.0	2662.0	2642.6
45°	3738.0	3710.0	3498.7	3029.6	2753.6	2612.4	2586.5	2544.5	2801.1	2929.4	2893.8
47.5°	4085.2	4035.6	3914.8	3437.2	3224.8	2984.4	2855.0	2778.4	3034.0	3197.8	3148.2
50°	4457.1	4381.7	4272.8	3841.5	3632.3	3417.8	3133.2	3037.2	3296.0	3458.8	3418.9
52.5°	4704.0	4586.5	4518.6	4201.6	4008.6	3821.0	3403.8	3339.1	3583.8	3740.2	3731.5
55°	4580.1	4575.7	4644.7	4444.2	4256.6	4058.2	3685.2	3681.9	3884.6	4045.3	4052.8
57.5°	4364.4	4387.1	4583.3	4613.5	4533.7	4300.8	4033.4	4065.8	4238.3	4387.1	4403.2
60°	4089.5	4152.0	4434.5	4594.1	4657.7	4542.3	4368.7	4418.3	4624.3	4752.6	4748.2
62.5°	3726.1	3776.8	4128.3	4489.5	4618.9	4727.8	4678.2	4837.7	5000.5	5121.3	5152.6
65°	3297.0	3317.5	3698.1	4185.4	4519.7	4822.6	4936.9	5227.0	5305.7	5491.1	5497.6
67.5°	2821.6	2828.0	3159.0	3740.2	4304.0	4815.1	5156.9	5514.8	5494.3	5691.6	5676.5
69°	2487.3	2533.7	2805.4	3377.9	4094.9	4768.7	5265.8	5609.7	5540.7	5733.7	5667.9
70°	2252.3	2249.1	2559.6	3070.6	3910.5	4709.4	5334.8	5634.5	5541.8	5704.6	5605.4
72.5°	1435.0	1456.6	1725.1	2179.0	3151.5	4366.6	5419.9	5568.7	5423.2	5407.0	5194.6
75°	634.0	575.7	743.9	1153.6	1981.7	3396.2	5215.1	5272.2	5085.7	4752.6	4388.1
77.5°	222.1	230.7	280.3	469.0	954.2	2023.7	4322.4	4638.3	4491.6	3690.6	3284.1
80°	158.5	159.6	187.6	262.0	462.5	713.7	2751.5	3355.3	3456.6	2433.4	2091.6
82.5°	112.1	112.1	139.1	167.1	320.2	319.1	1183.8	1845.8	1972.0	1079.2	807.5
85°	93.8	96.0	106.7	97.0	187.6	162.8	292.2	569.3	466.8	131.5	115.4
87.5°	14.0	12.9	36.7	32.3	28.0	23.7	32.3	36.7	24.8	19.4	14.0
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°	4.3	4.3	4.3	4.3	3.2	2.2	2.2	2.2	3.2	3.2	3.2
5°	4.3	4.3	4.3	4.3	4.3	4.3	5.4	7.5	8.6	9.7	9.7
7.5°	4.3	4.3	4.3	5.4	6.5	9.7	52.8	183.3	200.5	209.2	214.6
10°	8.6	9.7	9.7	9.7	23.7	202.7	241.5	250.1	258.8	263.1	262.0
12.5°	167.1	172.5	43.1	31.3	188.7	253.4	260.9	269.5	278.2	284.6	283.6
15°	343.9	352.6	338.5	350.4	372.0	274.9	281.4	476.5	516.4	524.0	525.1
17.5°	383.8	390.3	396.8	516.4	529.4	407.5	487.3	522.9	527.2	529.4	530.5
20°	731.0	727.8	588.7	566.0	560.6	707.3	517.5	527.2	630.7	718.1	722.4
22.5°	806.5	816.2	777.4	831.3	736.4	715.9	652.3	698.7	737.5	736.4	733.2
25°	1045.8	1058.8	891.6	864.7	883.0	711.6	814.0	697.6	708.4	709.4	715.9
27.5°	1307.8	1311.1	1237.7	973.6	869.0	880.9	766.6	742.9	830.2	835.6	835.6
30°	1424.3	1444.7	1307.8	1127.8	900.3	832.3	742.9	809.7	770.9	777.4	777.4
32.5°	1892.2	1876.0	1707.8	1117.0	932.6	765.5	776.3	750.4	831.3	852.8	855.0
35°	2015.1	1981.7	1717.5	1248.5	870.1	781.7	709.4	762.3	762.3	761.2	755.8
37.5°	2167.1	2108.9	1697.0	1155.8	875.5	713.7	684.6	685.7	748.2	762.3	752.6
40°	2347.2	2259.8	1693.8	1079.2	793.5	676.0	628.6	659.8	658.8	640.4	629.6
42.5°	2542.3	2427.0	1686.3	988.7	712.7	634.0	593.0	583.3	588.7	555.3	552.0
45°	2770.9	2599.5	1664.7	908.9	648.0	588.7	542.3	527.2	529.4	503.5	497.0
47.5°	3013.5	2777.4	1659.3	846.4	594.1	543.4	505.7	486.3	493.8	464.7	458.2
50°	3284.1	2960.6	1641.0	788.1	534.8	501.3	473.3	450.7	451.8	429.1	423.7
52.5°	3578.4	3138.5	1620.5	708.4	480.9	465.8	449.6	432.3	451.8	421.6	415.1
55°	3880.3	3355.3	1593.5	615.6	432.3	438.8	422.6	435.6	463.6	416.2	407.5
57.5°	4215.6	3559.0	1542.9	514.3	393.5	408.6	419.4	436.7	459.3	415.1	398.9
60°	4533.7	3755.3	1422.1	434.5	360.1	383.8	412.9	430.2	428.0	407.5	396.8
62.5°	4857.1	3917.0	1198.9	373.0	332.1	372.0	403.2	410.8	401.1	393.5	387.1
65°	5035.0	3956.9	929.4	332.1	309.4	355.8	391.4	397.8	383.8	383.8	378.4
67.5°	5005.9	3828.6	685.7	298.7	290.0	339.6	370.9	386.0	376.3	383.8	375.2
69°	4889.5	3681.9	539.1	281.4	280.3	326.7	359.0	376.3	368.7	379.5	368.7
70°	4752.6	3534.2	476.5	271.7	270.6	317.0	351.5	368.7	360.1	368.7	359.0
72.5°	4227.5	3032.9	341.8	244.7	248.0	297.6	333.2	346.1	338.5	340.7	327.8
75°	3380.1	2254.4	270.6	222.1	225.3	274.9	312.7	320.2	314.8	305.1	297.6
77.5°	2376.3	1453.4	222.1	201.6	202.7	248.0	291.1	290.0	281.4	271.7	262.0
80°	1296.0	683.6	188.7	176.8	180.1	221.0	259.8	256.6	245.8	236.1	224.3
82.5°	560.6	276.0	146.6	141.2	150.9	185.4	223.2	214.6	204.9	209.2	162.8
85°	100.3	94.9	85.2	90.6	102.4	131.5	157.4	149.9	144.5	122.9	113.2
87.5°	8.6	12.9	12.9	16.2	22.6	24.8	44.2	32.3	33.4	12.9	6.5
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)