

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: P416309

Luminaire Tested: **LXF.LXT-PA1-70-730-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416309
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-PA1-70-730-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7740 lumens
Efficiency: N/A
Efficacy: 104.6 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 - G2

Input Watts (W): 74
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

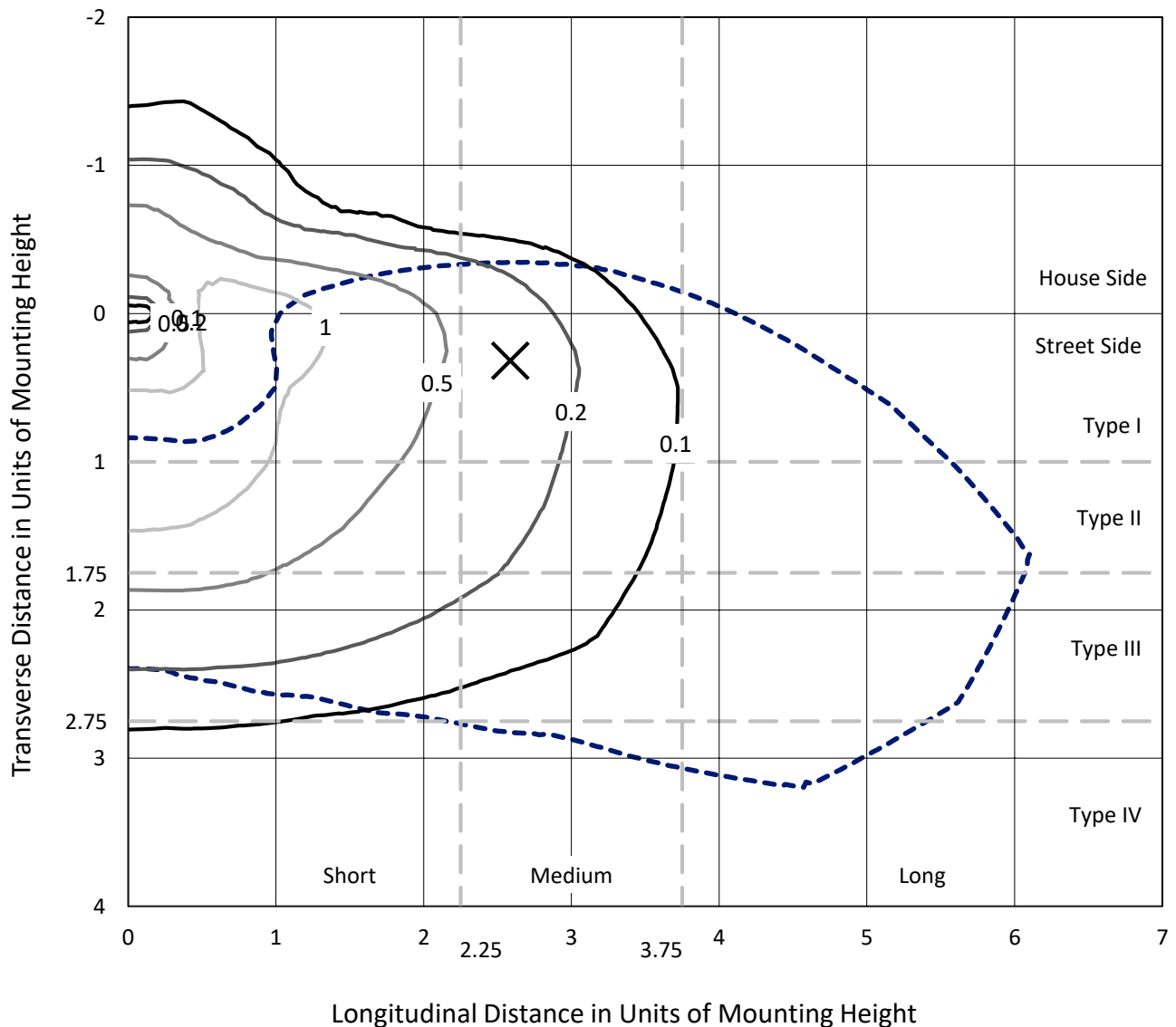


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

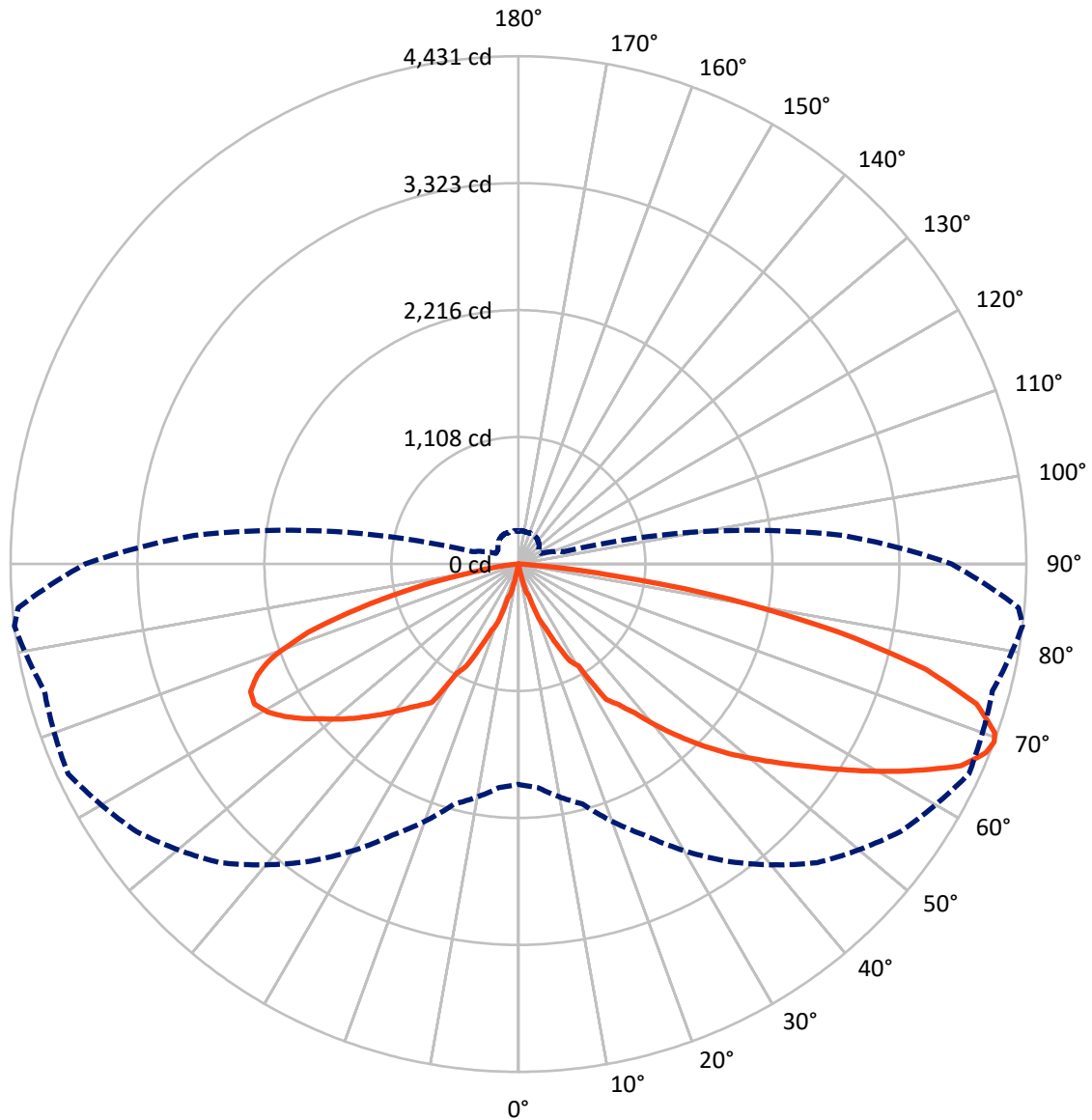


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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



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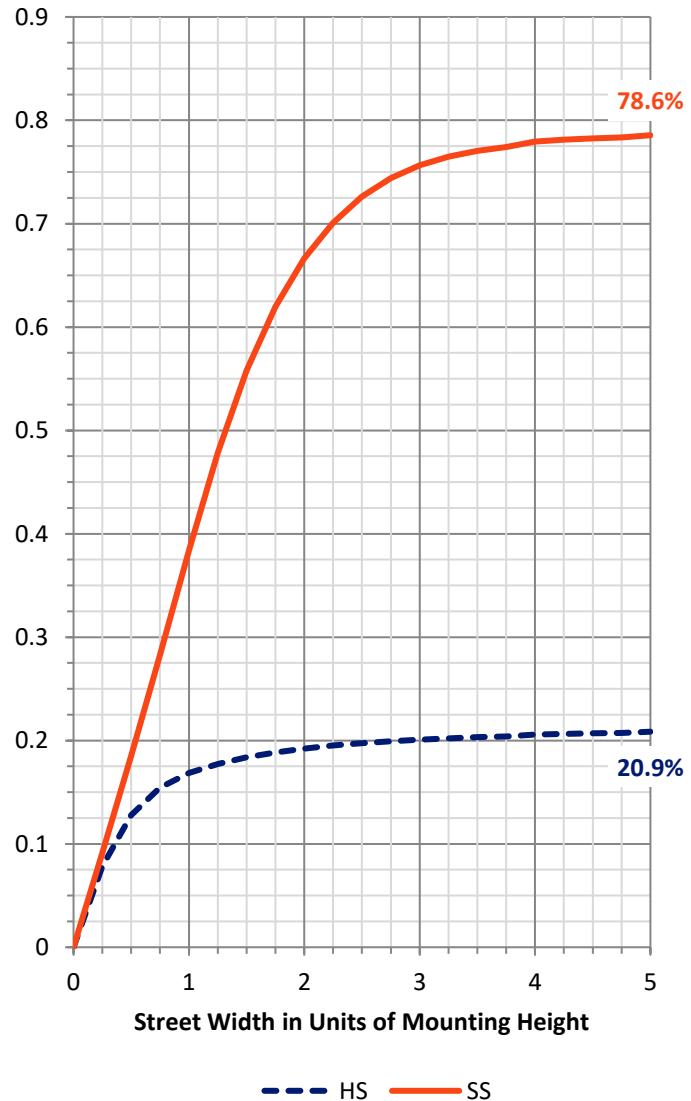
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1641.7	0.0	1641.7
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	6098.3	0.0	6098.3
	% Fixture	78.8	0.0	78.8
Total	Lumens	7740.0	0.0	7740.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.1
10°-20°	78.7	1.0
20°-30°	310.4	4.0
30°-40°	690.7	8.9
40°-50°	1172.9	15.2
50°-60°	1747.9	22.6
60°-70°	2058.4	26.6
70°-80°	1440.8	18.6
80°-90°	235.2	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°	7740.0	100.0
0°-180°	7740.0	100.0



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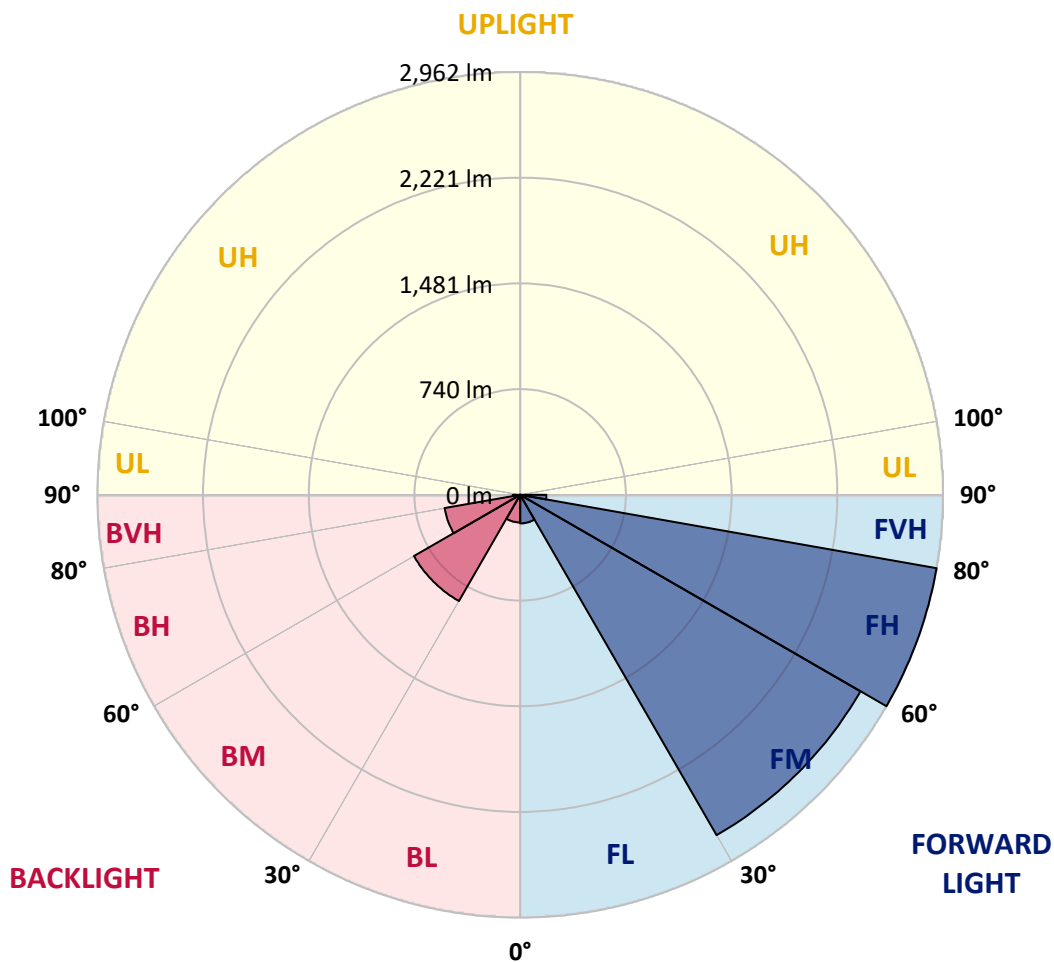
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	200.4	2.6			
FM	(30°-60°)	2752.5	35.6			
FH	(60°-80°)	2961.5	38.3			G2/5000
FVH	(80°-90°)	183.9	2.4			G2/225
BL	(0°-30°)	193.6	2.5	B1/500		
BM	(30°-60°)	859.0	11.1	B1/1000		
BH	(60°-80°)	537.7	6.9	B2/1000		G2/1000
BVH	(80°-90°)	51.4	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-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	4.2	3.3	4.2	5.0	5.0	4.2	3.3	3.3	3.3	3.3	2.5
5°	67.5	49.2	44.2	39.2	23.3	8.3	5.0	3.3	3.3	3.3	3.3
7.5°	142.5	142.5	142.5	143.3	142.5	105.8	25.0	5.8	3.3	3.3	3.3
10°	144.2	143.3	142.5	143.3	145.0	145.8	140.8	20.0	8.3	7.5	7.5
12.5°	260.8	259.1	250.0	175.0	148.3	149.2	152.5	110.0	40.0	105.8	123.3
15°	276.6	275.0	275.0	275.8	261.6	162.5	229.1	300.0	213.3	255.0	259.1
17.5°	310.0	300.8	293.3	288.3	290.0	323.3	325.0	331.6	248.3	285.8	290.8
20°	475.0	471.6	445.0	340.8	318.3	420.0	374.1	368.3	465.0	505.0	513.3
22.5°	542.4	539.1	519.9	501.6	523.3	457.5	532.4	549.1	629.9	605.8	613.3
25°	736.6	734.1	627.4	580.8	638.3	525.8	657.4	629.1	695.8	775.8	784.1
27.5°	901.6	895.7	874.1	783.3	712.4	788.3	727.4	840.8	944.9	958.2	983.2
30°	1070.7	1032.4	965.7	969.1	877.4	869.1	866.6	1009.1	1012.4	1033.2	1075.7
32.5°	1347.4	1329.9	1274.0	1101.6	1081.6	965.7	1066.6	1075.7	1322.4	1409.0	1417.4
35°	1569.0	1494.0	1441.5	1344.0	1192.4	1229.9	1188.2	1353.2	1450.7	1506.5	1540.7
37.5°	1922.3	1932.3	1846.5	1491.5	1396.5	1353.2	1425.7	1514.9	1636.5	1649.8	1701.5
40°	2176.5	2169.8	2054.0	1792.3	1579.8	1535.7	1584.0	1671.5	1836.5	1853.2	1865.6
42.5°	2546.4	2513.9	2352.3	2058.1	1861.5	1768.2	1781.5	1818.2	1983.1	2057.3	2042.3
45°	2888.9	2867.2	2703.9	2341.4	2128.1	2019.0	1999.0	1966.5	2164.8	2263.9	2236.4
47.5°	3157.2	3118.9	3025.5	2656.4	2492.3	2306.4	2206.4	2147.3	2344.8	2471.4	2433.1
50°	3444.7	3386.3	3302.2	2968.9	2807.2	2641.4	2421.4	2347.3	2547.2	2673.1	2642.2
52.5°	3635.5	3544.7	3492.2	3247.2	3098.0	2953.0	2630.6	2580.6	2769.7	2890.5	2883.9
55°	3539.7	3536.3	3589.6	3434.7	3289.7	3136.4	2848.1	2845.6	3002.2	3126.4	3132.2
57.5°	3373.0	3390.5	3542.2	3565.5	3503.8	3323.8	3117.2	3142.2	3275.5	3390.5	3403.0
60°	3160.5	3208.9	3427.2	3550.5	3599.6	3510.5	3376.3	3414.7	3573.8	3673.0	3669.6
62.5°	2879.7	2918.9	3190.5	3469.7	3569.6	3653.8	3615.5	3738.8	3864.6	3957.9	3982.1
65°	2548.1	2563.9	2858.1	3234.7	3493.0	3727.1	3815.5	4039.6	4100.4	4243.7	4248.7
67.5°	2180.6	2185.6	2441.4	2890.5	3326.3	3721.3	3985.4	4262.1	4246.2	4398.7	4387.1
69°	1922.3	1958.1	2168.1	2610.6	3164.7	3685.5	4069.6	4335.4	4282.1	4431.2	4380.4
70°	1740.7	1738.2	1978.1	2373.1	3022.2	3639.6	4122.9	4354.6	4282.9	4408.7	4332.1
72.5°	1109.1	1125.7	1333.2	1684.0	2435.6	3374.7	4188.8	4303.7	4191.3	4178.8	4014.6
75°	490.0	445.0	574.9	891.6	1531.5	2624.7	4030.4	4074.6	3930.4	3673.0	3391.3
77.5°	171.6	178.3	216.6	362.5	737.4	1564.0	3340.5	3584.6	3471.3	2852.2	2538.1
80°	122.5	123.3	145.0	202.5	357.5	551.6	2126.5	2593.1	2671.4	1880.6	1616.5
82.5°	86.7	86.7	107.5	129.2	247.5	246.6	914.9	1426.5	1524.0	834.1	624.1
85°	72.5	74.2	82.5	75.0	145.0	125.8	225.8	440.0	360.8	101.7	89.2
87.5°	10.8	10.0	28.3	25.0	21.7	18.3	25.0	28.3	19.2	15.0	10.8
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°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	3.3	3.3	3.3	3.3	2.5	1.7	1.7	1.7	2.5	2.5	2.5
5°	3.3	3.3	3.3	3.3	3.3	3.3	4.2	5.8	6.7	7.5	7.5
7.5°	3.3	3.3	3.3	4.2	5.0	7.5	40.8	141.7	155.0	161.7	165.8
10°	6.7	7.5	7.5	7.5	18.3	156.7	186.6	193.3	200.0	203.3	202.5
12.5°	129.2	133.3	33.3	24.2	145.8	195.8	201.6	208.3	215.0	220.0	219.1
15°	265.8	272.5	261.6	270.8	287.5	212.5	217.5	368.3	399.1	405.0	405.8
17.5°	296.6	301.6	306.6	399.1	409.1	315.0	376.6	404.1	407.5	409.1	410.0
20°	564.9	562.4	455.0	437.5	433.3	546.6	400.0	407.5	487.5	554.9	558.3
22.5°	623.3	630.8	600.8	642.4	569.1	553.3	504.1	539.9	569.9	569.1	566.6
25°	808.3	818.3	689.1	668.3	682.4	549.9	629.1	539.1	547.4	548.3	553.3
27.5°	1010.7	1013.2	956.6	752.4	671.6	680.8	592.4	574.1	641.6	645.8	645.8
30°	1100.7	1116.6	1010.7	871.6	695.8	643.3	574.1	625.8	595.8	600.8	600.8
32.5°	1462.4	1449.9	1319.9	863.2	720.8	591.6	599.9	579.9	642.4	659.1	660.8
35°	1557.3	1531.5	1327.4	964.9	672.4	604.1	548.3	589.1	589.1	588.3	584.1
37.5°	1674.8	1629.8	1311.5	893.2	676.6	551.6	529.1	529.9	578.3	589.1	581.6
40°	1814.0	1746.5	1309.0	834.1	613.3	522.4	485.8	509.9	509.1	495.0	486.6
42.5°	1964.8	1875.6	1303.2	764.1	550.8	490.0	458.3	450.8	455.0	429.1	426.6
45°	2141.5	2009.0	1286.5	702.4	500.8	455.0	419.1	407.5	409.1	389.1	384.1
47.5°	2328.9	2146.5	1282.4	654.1	459.1	420.0	390.8	375.8	381.6	359.1	354.1
50°	2538.1	2288.1	1268.2	609.1	413.3	387.5	365.8	348.3	349.1	331.6	327.5
52.5°	2765.6	2425.6	1252.4	547.4	371.6	360.0	347.5	334.1	349.1	325.8	320.8
55°	2998.9	2593.1	1231.5	475.8	334.1	339.1	326.6	336.6	358.3	321.6	315.0
57.5°	3258.0	2750.6	1192.4	397.5	304.1	315.8	324.1	337.5	355.0	320.8	308.3
60°	3503.8	2902.2	1099.1	335.8	278.3	296.6	319.1	332.5	330.8	315.0	306.6
62.5°	3753.8	3027.2	926.6	288.3	256.6	287.5	311.6	317.5	310.0	304.1	299.1
65°	3891.3	3058.0	718.3	256.6	239.1	275.0	302.5	307.5	296.6	296.6	292.5
67.5°	3868.8	2958.9	529.9	230.8	224.1	262.5	286.6	298.3	290.8	296.6	290.0
69°	3778.8	2845.6	416.6	217.5	216.6	252.5	277.5	290.8	285.0	293.3	285.0
70°	3673.0	2731.4	368.3	210.0	209.1	245.0	271.6	285.0	278.3	285.0	277.5
72.5°	3267.2	2343.9	264.1	189.1	191.6	230.0	257.5	267.5	261.6	263.3	253.3
75°	2612.2	1742.3	209.1	171.6	174.1	212.5	241.6	247.5	243.3	235.8	230.0
77.5°	1836.5	1123.2	171.6	155.8	156.7	191.6	225.0	224.1	217.5	210.0	202.5
80°	1001.6	528.3	145.8	136.7	139.2	170.8	200.8	198.3	190.0	182.5	173.3
82.5°	433.3	213.3	113.3	109.2	116.7	143.3	172.5	165.8	158.3	161.7	125.8
85°	77.5	73.3	65.8	70.0	79.2	101.7	121.7	115.8	111.7	95.0	87.5
87.5°	6.7	10.0	10.0	12.5	17.5	19.2	34.2	25.0	25.8	10.0	5.0
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)