

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: P413795

Luminaire Tested: **LXF.LXT-PA1-100-730-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413795
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-PA1-100-730-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9063 lumens
Efficiency: N/A
Efficacy: 94.4 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

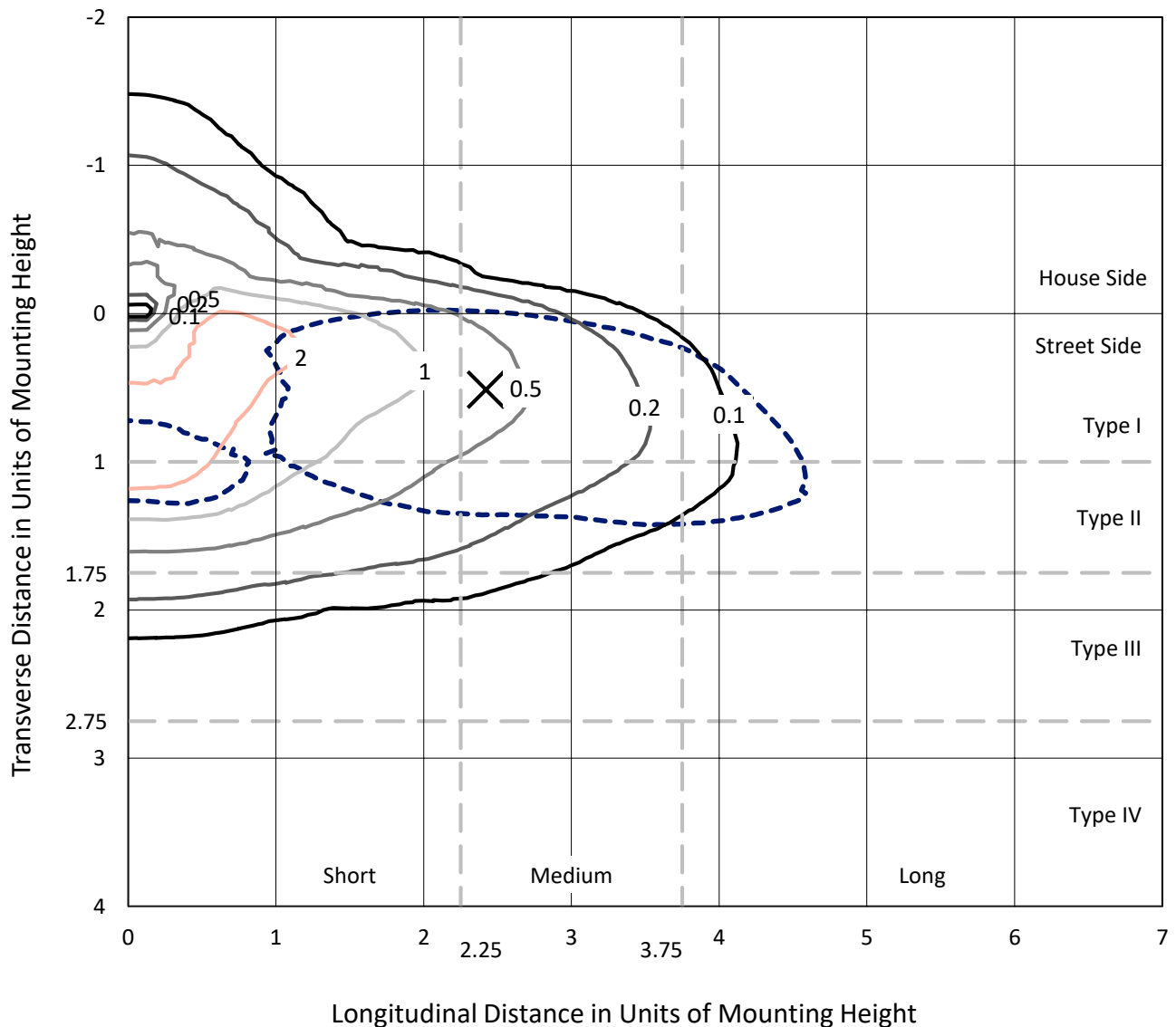
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

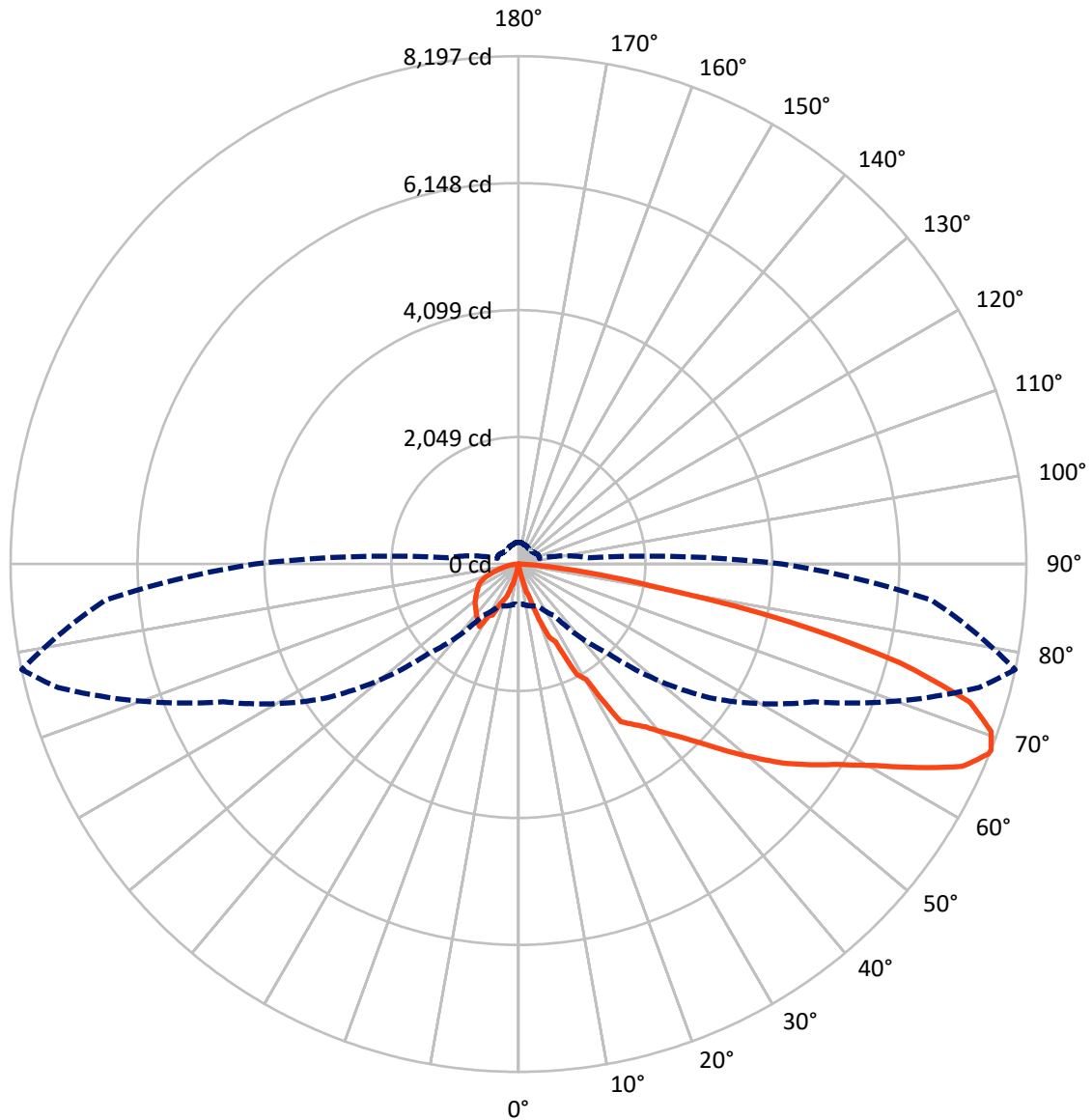
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 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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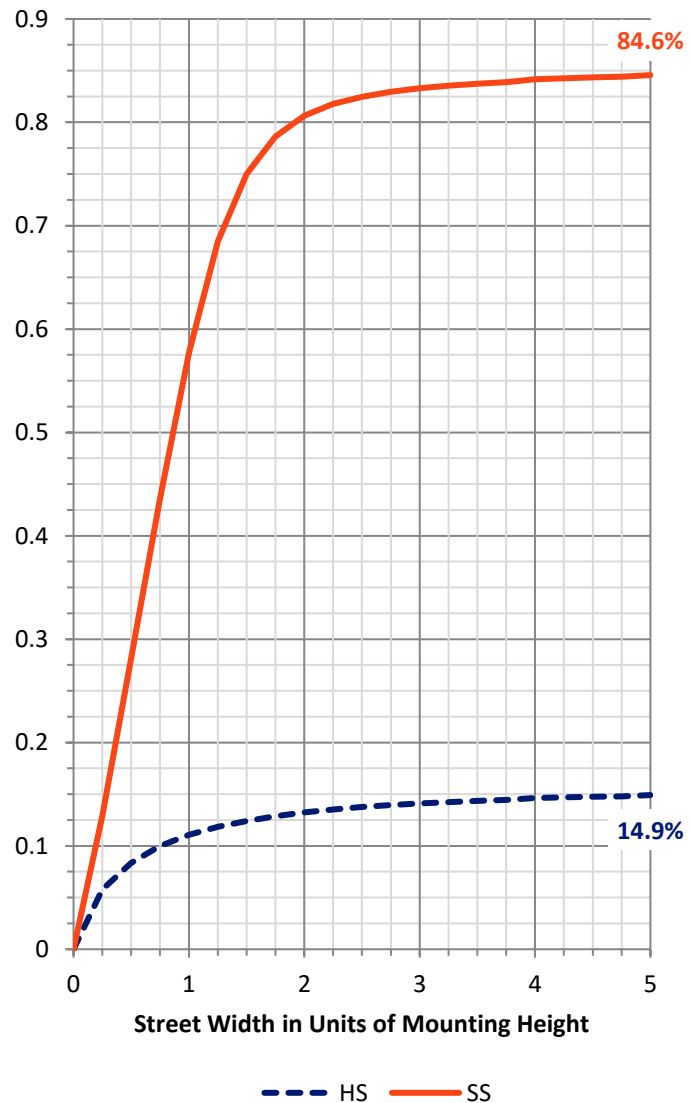
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1376.0	0.0	1376.0
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	7687.0	0.0	7687.0
	% Fixture	84.8	0.0	84.8
Total	Lumens	9063.0	0.0	9063.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.0	0.1
10°-20°	131.3	1.4
20°-30°	500.1	5.5
30°-40°	1167.7	12.9
40°-50°	1822.9	20.1
50°-60°	2092.6	23.1
60°-70°	1944.4	21.5
70°-80°	1201.5	13.3
80°-90°	193.5	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°	9063.0	100.0
0°-180°	9063.0	100.0



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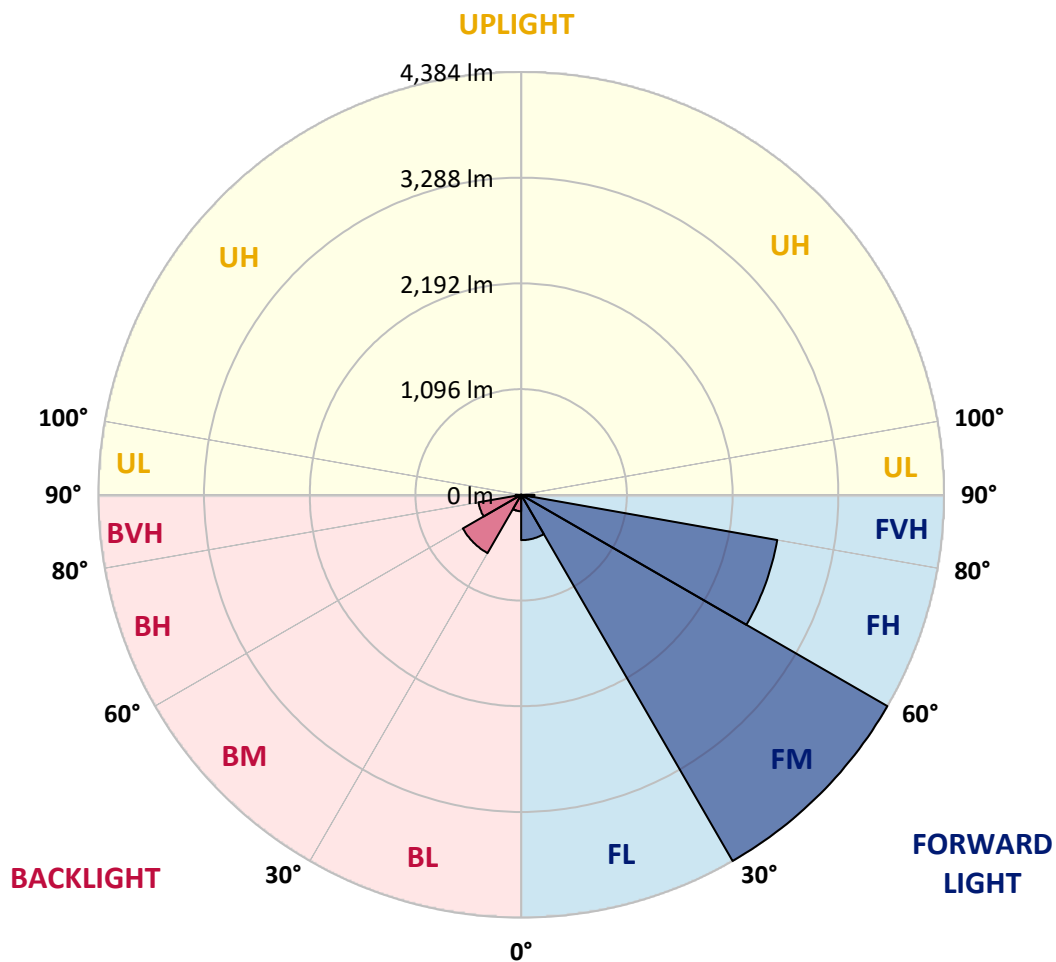
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	469.9	5.2			
FM (30°-60°)	4384.1	48.4			
FH (60°-80°)	2696.1	29.7			G2/5000
FVH (80°-90°)	136.9	1.5			G2/225
BL (0°-30°)	170.5	1.9	B1/500		
BM (30°-60°)	699.1	7.7	B1/1000		
BH (60°-80°)	449.8	5.0	B1/500		G1/500
BVH (80°-90°)	56.6	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°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
2.5°	7.0	7.0	8.0	8.9	10.9	9.9	7.0	5.0	4.0	4.0	4.0
5°	321.2	295.3	165.1	85.5	29.8	17.9	8.9	7.0	5.0	5.0	4.0
7.5°	362.9	360.9	358.0	355.0	350.0	331.1	34.8	9.9	6.0	6.0	4.0
10°	391.8	388.8	386.8	384.8	377.8	367.9	351.0	30.8	10.9	9.9	8.9
12.5°	760.7	758.7	755.7	483.2	409.7	398.7	383.8	274.4	31.8	47.7	144.2
15°	758.7	755.7	764.6	780.5	793.5	436.5	440.5	770.6	477.3	458.4	488.2
17.5°	791.5	787.5	777.6	788.5	812.4	912.8	863.1	834.2	561.8	535.9	521.0
20°	1160.4	1160.4	1172.3	1162.4	843.2	1166.3	1104.7	895.9	1015.2	954.5	887.9
22.5°	1228.0	1223.0	1225.0	1244.9	1463.6	1209.1	1219.0	1382.1	1410.9	1288.6	1104.7
25°	1746.0	1745.0	1676.4	1315.5	1543.2	1457.7	1684.4	1478.5	1530.3	1386.1	1355.3
27.5°	1964.8	1966.8	1911.1	1861.4	1630.7	1890.2	1787.8	1946.9	2173.6	2019.5	1736.1
30°	2643.9	2618.0	2180.5	2131.8	1995.6	1992.6	2164.6	2298.9	2235.2	2162.6	1938.9
32.5°	3142.0	3116.2	3019.7	2682.7	2372.4	2219.3	2486.8	2405.3	2916.3	3035.6	2629.0
35°	3912.6	3903.7	3391.6	3043.6	2786.1	2683.7	2613.1	2930.2	3157.0	3174.9	2800.0
37.5°	4504.3	4475.4	4175.1	3561.6	3136.1	2899.4	3067.5	3072.4	3420.4	3335.9	3067.5
40°	4774.7	4756.8	4526.1	3950.4	3458.2	3190.8	3258.4	3287.2	3708.8	3562.6	3262.4
42.5°	4980.5	4958.7	4812.5	4184.1	3741.6	3486.1	3455.2	3481.1	3988.2	3810.2	3471.2
45°	5086.9	5074.0	5005.4	4350.1	3939.5	3674.0	3666.0	3652.1	4178.1	4115.5	3697.9
47.5°	5027.3	5013.3	5044.2	4575.8	4062.8	3828.1	3861.9	3837.1	4395.9	4498.3	3944.5
50°	4696.2	4709.1	4832.4	4584.8	4141.3	3953.4	4068.7	4007.1	4692.2	4902.0	4243.7
52.5°	3737.6	3790.3	4312.3	4385.9	4149.3	4012.1	4254.7	4266.6	5060.1	5333.5	4637.5
55°	2789.1	2863.6	3326.0	3900.7	3990.2	4014.1	4374.0	4504.3	5427.0	5717.3	4968.6
57.5°	2195.4	2241.2	2535.5	3112.2	3606.4	3943.5	4496.3	4697.1	5768.0	6101.1	5293.7
60°	1755.0	1727.1	1919.0	2356.5	3005.8	3745.6	4550.0	4948.7	6192.6	6596.3	5676.6
62.5°	1268.7	1270.7	1416.9	1666.5	2379.4	3354.8	4508.2	5192.3	6733.5	7236.6	6186.6
65°	899.9	908.8	1008.2	1142.5	1720.2	2817.9	4301.4	5358.4	7344.0	7877.0	6601.3
67.5°	685.1	691.0	737.8	800.4	1111.6	2143.7	3876.8	5324.6	7679.1	8180.2	6721.6
68°	657.2	647.3	700.0	745.7	1023.2	2032.4	3760.5	5256.9	7695.0	8197.1	6692.7
70°	553.8	553.8	577.7	588.6	724.9	1502.4	3190.8	4848.3	7638.3	8092.7	6474.0
72.5°	462.4	459.4	473.3	464.3	512.1	983.4	2317.8	4181.1	7233.6	7616.5	5822.7
75°	384.8	384.8	386.8	379.8	392.8	659.2	1506.4	3275.3	6390.5	6359.6	4738.9
77.5°	328.1	320.2	318.2	308.2	319.2	479.3	923.7	2330.7	4613.6	4447.6	3008.8
80°	260.5	259.5	261.5	255.5	264.5	349.0	562.8	1362.2	2512.6	2211.4	1403.0
82.5°	161.1	177.0	194.9	194.9	222.7	246.6	341.1	728.8	1218.0	1070.9	595.6
85°	52.7	64.6	114.3	118.3	143.2	115.3	195.9	234.7	406.7	362.9	114.3
87.5°	2.0	3.0	8.9	13.9	12.9	8.0	13.9	10.9	22.9	16.9	17.9
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°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0	5.0
2.5°	4.0	4.0	4.0	5.0	5.0	3.0	2.0	4.0	4.0	4.0	4.0
5°	4.0	4.0	5.0	5.0	5.0	4.0	5.0	7.0	8.0	8.0	8.0
7.5°	4.0	4.0	4.0	6.0	6.0	7.0	9.9	59.7	137.2	150.1	148.2
10°	8.0	7.0	8.0	8.9	10.9	127.3	167.0	176.0	180.0	183.0	182.0
12.5°	190.9	171.0	31.8	17.9	120.3	179.0	182.0	188.9	195.9	198.9	198.9
15°	447.4	400.7	306.2	230.7	205.8	190.9	193.9	254.5	346.0	355.0	356.0
17.5°	475.3	416.6	320.2	353.0	363.9	283.4	311.2	350.0	354.0	355.0	355.0
20°	895.9	750.7	455.4	371.9	370.9	474.3	332.1	342.0	348.0	395.7	401.7
22.5°	969.5	804.4	546.9	528.0	399.7	474.3	434.5	422.6	462.4	458.4	461.4
25°	1219.0	965.5	575.7	530.0	559.8	459.4	510.1	420.6	427.6	425.6	425.6
27.5°	1550.1	1218.0	804.4	593.6	543.9	531.0	472.3	404.7	485.2	487.2	487.2
30°	1641.6	1252.8	804.4	641.3	565.8	522.0	436.5	478.3	451.4	443.5	439.5
32.5°	2275.0	1699.3	973.4	617.5	557.8	479.3	478.3	444.5	443.5	461.4	461.4
35°	2390.3	1725.1	888.9	706.0	526.0	494.2	454.4	449.4	429.5	422.6	421.6
37.5°	2504.7	1741.0	824.3	648.3	539.9	471.3	447.4	412.6	434.5	434.5	432.5
40°	2627.0	1758.0	765.6	595.6	496.2	471.3	414.6	411.6	381.8	383.8	381.8
42.5°	2758.2	1764.9	703.0	551.8	455.4	442.5	400.7	369.9	368.9	375.9	373.9
45°	2908.4	1773.9	645.3	496.2	414.6	389.8	358.0	359.9	378.8	394.7	394.7
47.5°	3068.5	1781.8	597.6	446.4	385.8	354.0	330.1	338.1	371.9	387.8	392.8
50°	3285.2	1791.8	542.9	405.7	365.9	327.1	323.2	330.1	366.9	378.8	373.9
52.5°	3515.9	1773.9	489.2	379.8	345.0	297.3	304.3	322.2	361.9	367.9	363.9
55°	3704.8	1729.1	447.4	362.9	330.1	284.4	294.3	316.2	354.0	357.0	358.0
57.5°	3924.6	1670.5	414.6	350.0	321.2	278.4	290.3	315.2	338.1	352.0	352.0
60°	4140.3	1601.8	394.7	343.0	314.2	278.4	290.3	314.2	335.1	350.0	349.0
62.5°	4392.9	1524.3	382.8	347.0	305.3	281.4	292.3	317.2	334.1	351.0	349.0
65°	4481.4	1376.1	373.9	353.0	304.3	285.4	293.3	321.2	333.1	353.0	351.0
67.5°	4306.4	1180.3	358.9	353.0	313.2	290.3	292.3	319.2	330.1	354.0	345.0
68°	4247.7	1151.4	354.0	352.0	314.2	291.3	292.3	318.2	328.1	353.0	343.0
70°	3921.6	968.5	329.1	342.0	318.2	295.3	287.4	311.2	318.2	351.0	339.1
72.5°	3393.6	754.7	287.4	318.2	314.2	301.3	278.4	297.3	301.3	328.1	308.2
75°	2713.5	573.7	237.6	276.4	295.3	301.3	265.5	278.4	277.4	290.3	272.4
77.5°	1706.2	409.7	191.9	234.7	268.5	293.3	253.6	253.6	241.6	243.6	235.7
80°	827.3	280.4	155.1	193.9	224.7	277.4	232.7	213.8	198.9	194.9	184.9
82.5°	406.7	181.0	107.4	146.2	178.0	229.7	208.8	176.0	150.1	148.2	132.2
85°	94.5	74.6	58.7	77.6	112.4	150.1	150.1	110.4	93.5	121.3	89.5
87.5°	8.9	10.9	11.9	10.9	13.9	12.9	31.8	31.8	28.8	18.9	12.9
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)