

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: P416682

Luminaire Tested: **LXF.LXT-PA1-80-727-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416682
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-PA1-80-727-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7712 lumens
Efficiency: N/A
Efficacy: 92.9 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

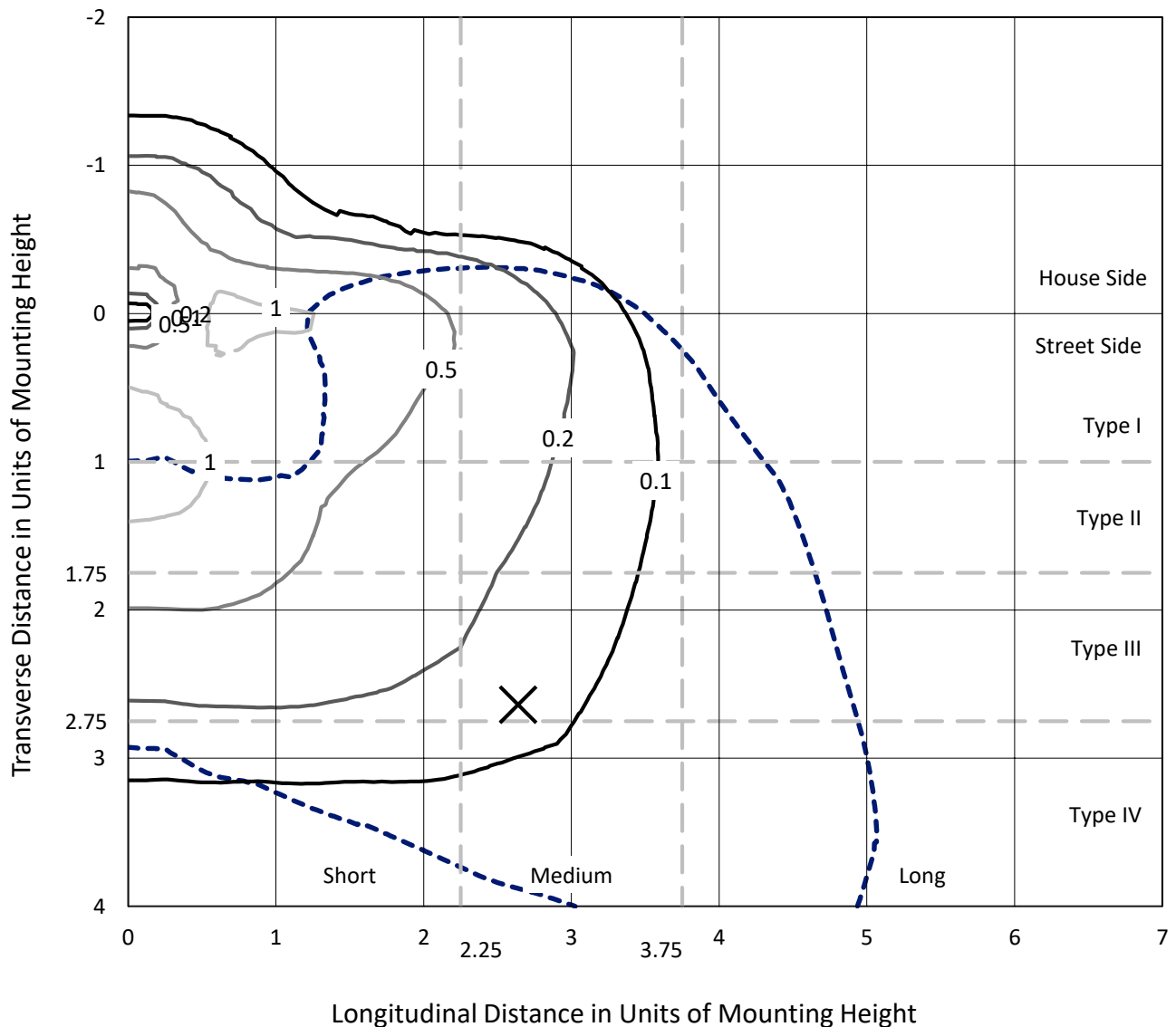
Input Watts (W): 83
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

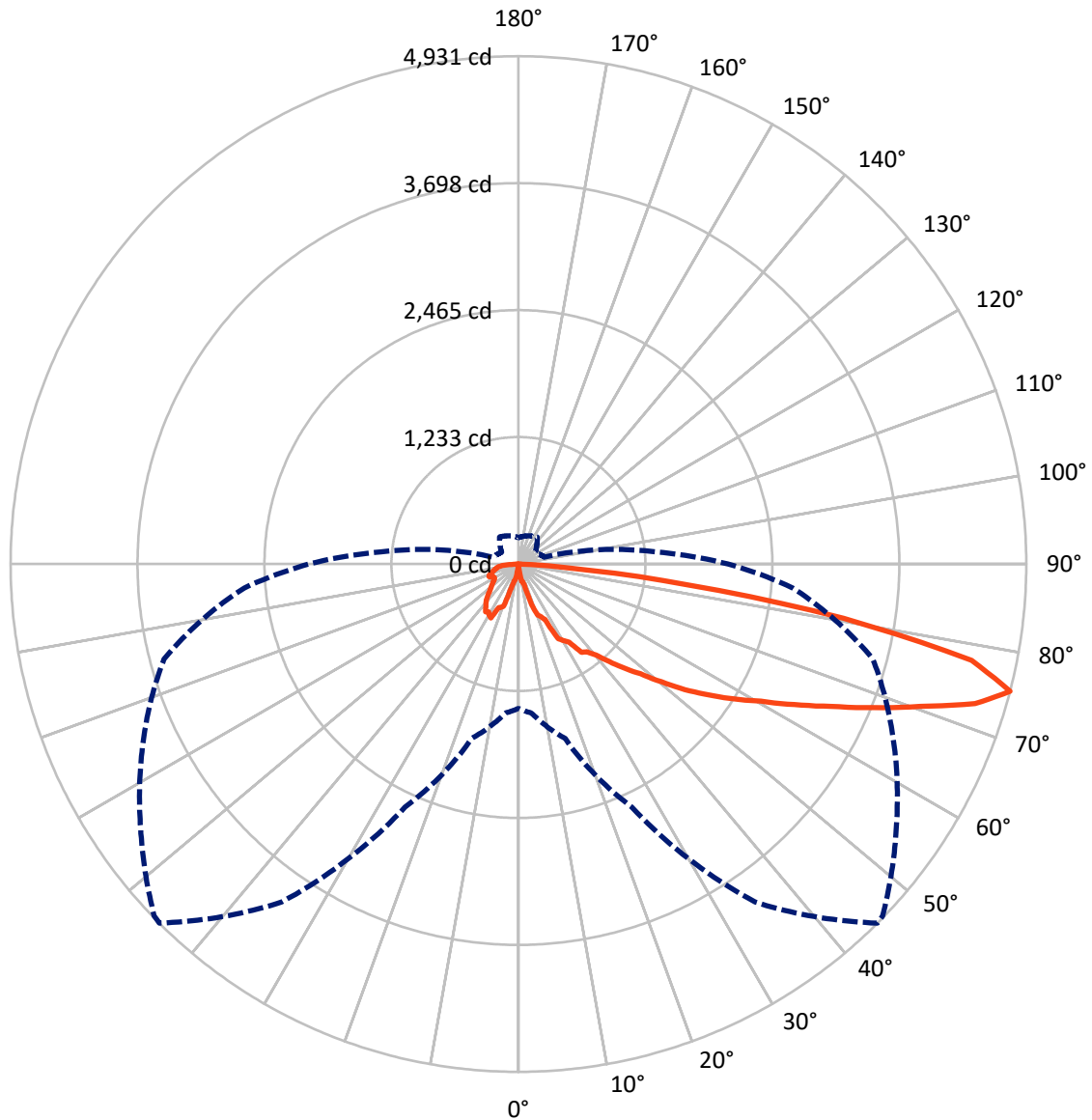
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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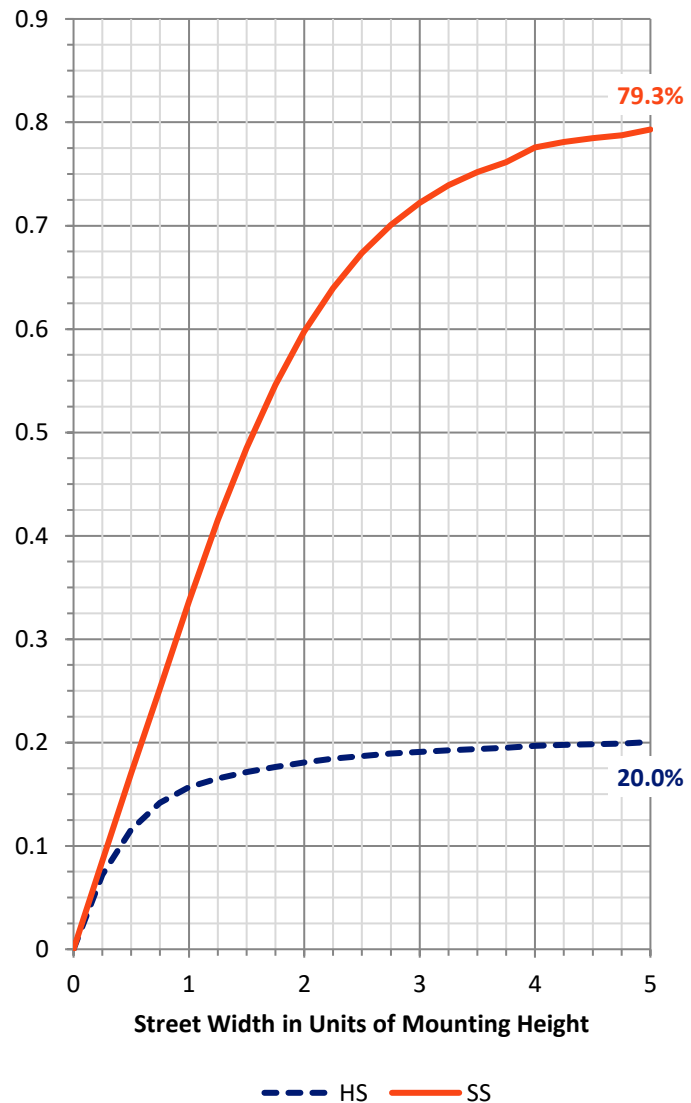
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1581.7	0.0	1581.7
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	6130.3	0.0	6130.3
	% Fixture	79.5	0.0	79.5
Total	Lumens	7712.0	0.0	7712.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.1	0.1
10°-20°	79.6	1.0
20°-30°	296.3	3.8
30°-40°	610.5	7.9
40°-50°	968.0	12.6
50°-60°	1530.3	19.8
60°-70°	2150.0	27.9
70°-80°	1789.8	23.2
80°-90°	282.2	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°	7712.0	100.0
0°-180°	7712.0	100.0



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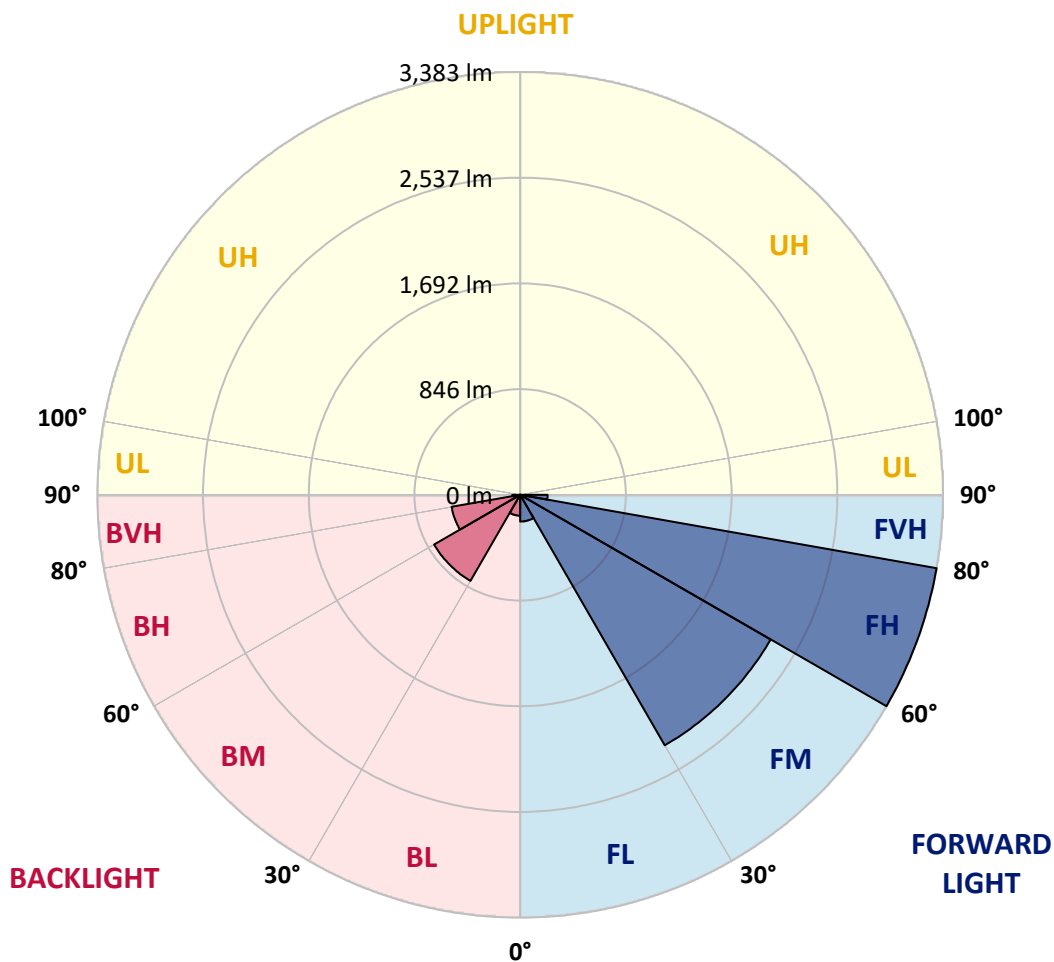
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	214.1	2.8			
FM	(30°-60°)	2314.0	30.0			
FH	(60°-80°)	3383.0	43.9			G2/5000
FVH	(80°-90°)	219.2	2.8			G2/225
BL	(0°-30°)	166.9	2.2	B1/500		
BM	(30°-60°)	794.9	10.3	B1/1000		
BH	(60°-80°)	556.8	7.2	B2/1000		G2/1000
BVH	(80°-90°)	63.1	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-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	4.2	4.2	4.2	4.2	4.2	3.3	3.3	2.5	3.3	3.3	3.3
5°	59.4	56.0	44.3	39.3	32.6	13.4	10.9	5.0	4.2	4.2	3.3
7.5°	176.5	174.8	172.3	166.4	158.9	99.5	86.1	30.9	5.9	4.2	3.3
10°	194.9	191.5	187.4	181.5	174.8	166.4	165.6	152.2	27.6	9.2	7.5
12.5°	383.1	376.4	314.5	227.5	188.2	178.2	178.2	172.3	124.6	43.5	102.0
15°	411.5	408.2	396.4	381.4	358.8	206.6	202.4	269.3	332.0	232.5	246.7
17.5°	462.5	455.0	419.0	400.6	383.9	416.5	414.0	385.6	363.8	257.6	276.8
20°	644.9	640.7	625.6	448.3	413.2	526.9	528.6	437.4	395.6	455.8	452.5
22.5°	659.9	659.1	648.2	621.4	654.9	552.9	553.7	581.3	577.9	604.7	548.7
25°	863.2	860.6	698.4	640.7	715.1	595.5	622.3	721.0	644.0	655.7	685.0
27.5°	885.7	884.1	874.9	834.7	740.2	820.5	820.5	745.2	820.5	859.0	864.0
30°	1007.0	975.2	910.8	891.6	862.3	861.5	864.0	863.2	949.3	899.1	949.3
32.5°	1184.3	1177.6	1154.2	966.9	958.5	903.3	931.7	997.0	991.1	1143.3	1208.6
35°	1440.3	1349.1	1266.3	1115.7	995.3	1052.2	1056.4	1033.8	1154.2	1202.7	1294.7
37.5°	1797.4	1772.3	1655.2	1256.3	1109.1	1081.5	1084.0	1157.6	1227.0	1280.5	1383.4
40°	2057.5	2044.1	1963.0	1538.1	1216.1	1160.9	1166.8	1214.4	1278.8	1374.2	1481.2
42.5°	2306.8	2306.8	2259.1	1779.0	1446.1	1296.4	1292.2	1302.3	1348.3	1448.6	1625.9
45°	2469.0	2459.8	2500.0	2005.7	1617.6	1441.9	1426.0	1423.5	1440.3	1559.0	1820.0
47.5°	2632.1	2607.0	2645.5	2234.8	1841.7	1592.5	1594.2	1563.2	1585.8	1768.1	2085.1
50°	2804.4	2809.4	2804.4	2428.0	2061.7	1797.4	1783.2	1743.9	1789.0	2013.2	2382.0
52.5°	3050.3	3032.8	2983.4	2673.9	2342.7	2024.9	2002.3	1945.4	2051.7	2301.7	2753.4
55°	3229.3	3212.6	3199.2	2937.4	2558.5	2244.9	2231.5	2168.8	2367.8	2592.8	3136.5
57.5°	3424.2	3404.1	3442.6	3297.1	2897.3	2474.9	2457.3	2418.8	2692.3	2924.9	3526.2
60°	3555.5	3556.3	3661.7	3556.3	3180.0	2704.9	2688.2	2716.6	2989.3	3229.3	3946.9
62.5°	3555.5	3583.1	3814.8	3839.9	3482.7	3005.2	2975.9	2991.8	3312.1	3548.8	4292.4
65°	3218.4	3252.7	3793.0	3921.8	3786.3	3329.7	3315.5	3305.4	3617.4	3801.4	4563.3
67.5°	2874.7	2917.3	3463.5	3926.0	4034.7	3723.6	3671.8	3587.3	3880.9	3989.6	4708.9
70°	2636.3	2671.4	3105.5	3791.4	4195.3	4136.8	4102.5	3880.0	4057.3	4109.2	4544.9
72.5°	2249.1	2252.4	2638.8	3507.0	4303.2	4636.1	4555.8	4204.5	4156.9	4031.4	3854.1
75°	1401.8	1452.8	1753.9	2602.8	4005.5	4930.5	4915.5	4477.2	4014.7	3562.2	2672.3
77.5°	521.9	552.0	733.5	1336.6	2866.3	4497.3	4510.7	4181.1	3395.7	2581.1	1435.2
80°	169.8	182.3	242.6	430.7	1273.0	3200.9	3305.4	2965.8	2082.6	1311.5	604.7
82.5°	94.5	91.2	140.5	223.3	543.7	1658.6	1727.1	1426.0	981.9	548.7	225.8
85°	43.5	45.2	66.9	121.3	290.2	462.5	499.3	487.6	372.2	225.8	82.8
87.5°	9.2	10.9	15.1	28.4	45.2	39.3	28.4	50.2	72.8	53.5	14.2
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	3.3	3.3	2.5	2.5	1.7	1.7	0.8	0.8	1.7	1.7	1.7
5°	3.3	3.3	2.5	2.5	2.5	2.5	3.3	5.9	6.7	7.5	6.7
7.5°	3.3	3.3	3.3	3.3	4.2	8.4	39.3	120.4	128.0	130.5	133.8
10°	7.5	6.7	6.7	7.5	25.9	126.3	152.2	160.6	164.8	167.3	166.4
12.5°	116.3	115.4	42.7	25.9	121.3	159.8	163.9	169.0	177.3	185.7	182.3
15°	245.9	245.1	225.8	234.2	235.9	174.0	177.3	290.2	309.5	322.0	326.2
17.5°	267.6	270.2	262.6	323.7	331.2	263.5	295.2	323.7	330.4	334.6	335.4
20°	496.8	446.6	382.2	362.2	353.0	434.9	329.5	332.9	429.9	460.9	464.2
22.5°	546.2	542.0	506.9	521.9	440.8	453.3	426.6	450.0	493.5	502.7	502.7
25°	705.1	697.5	578.8	543.7	559.5	465.9	538.6	490.1	506.0	522.7	524.4
27.5°	866.5	857.3	772.8	611.4	554.5	588.0	547.0	591.3	639.8	663.3	664.1
30°	941.8	929.2	806.3	689.2	577.1	575.4	574.6	654.1	649.9	664.9	669.1
32.5°	1251.2	1231.2	1030.4	677.5	598.9	547.0	609.7	636.5	731.8	778.7	783.7
35°	1326.5	1301.4	1035.5	749.4	565.4	563.7	565.4	653.2	705.1	738.5	746.1
37.5°	1412.7	1378.4	1023.7	702.6	578.8	525.3	537.8	589.7	702.6	777.8	783.7
40°	1519.7	1467.0	1020.4	655.7	539.5	496.8	494.3	563.7	613.9	659.9	664.1
42.5°	1667.8	1583.3	1015.4	607.2	493.5	462.5	466.7	496.8	537.0	532.8	539.5
45°	1864.3	1728.0	1007.0	564.6	446.6	419.9	417.4	439.1	457.5	430.7	423.2
47.5°	2110.2	1907.0	1020.4	523.6	403.1	378.0	378.9	388.1	391.4	362.2	355.5
50°	2389.6	2109.4	1034.6	478.4	368.0	348.8	344.6	347.9	342.9	314.5	312.0
52.5°	2722.5	2346.9	1042.1	435.8	339.6	324.5	319.5	317.0	309.5	290.2	287.7
55°	3108.0	2632.1	1058.0	401.5	316.2	301.9	299.4	296.1	293.6	282.7	281.0
57.5°	3502.8	2946.6	1048.8	366.3	293.6	281.0	286.0	291.9	298.6	294.4	293.6
60°	3865.0	3197.5	935.1	335.4	271.8	268.5	290.2	317.8	322.8	327.0	326.2
62.5°	4136.0	3323.8	741.9	308.6	256.8	269.3	322.0	360.5	355.5	344.6	342.1
65°	4231.3	3288.7	571.3	288.6	249.2	291.9	355.5	375.5	347.1	327.0	322.8
67.5°	4167.7	3115.6	442.5	271.8	245.1	311.1	367.2	361.3	328.7	313.6	307.8
70°	3842.4	2755.1	351.3	257.6	240.9	299.4	361.3	344.6	313.6	300.3	291.1
72.5°	3144.0	2178.8	301.1	241.7	223.3	275.2	342.9	322.0	300.3	282.7	274.3
75°	2033.3	1339.9	261.8	223.3	199.9	249.2	319.5	300.3	281.9	264.3	255.9
77.5°	978.6	608.9	229.2	200.7	178.2	230.0	300.3	277.7	259.3	241.7	231.7
80°	412.3	287.7	195.7	178.2	162.3	215.8	279.4	253.4	232.5	220.0	209.1
82.5°	200.7	158.9	148.9	144.7	141.4	196.6	256.8	225.0	203.2	191.5	167.3
85°	67.7	68.6	92.0	89.5	99.5	157.2	209.9	170.6	152.2	132.1	123.8
87.5°	6.7	9.2	12.5	15.9	32.6	43.5	71.9	58.5	46.0	17.6	11.7
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)