

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: P416266

Luminaire Tested: **LXF.LXT-PA1-70-727-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416266
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-PA1-70-727-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7055 lumens
Efficiency: N/A
Efficacy: 95.3 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 (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

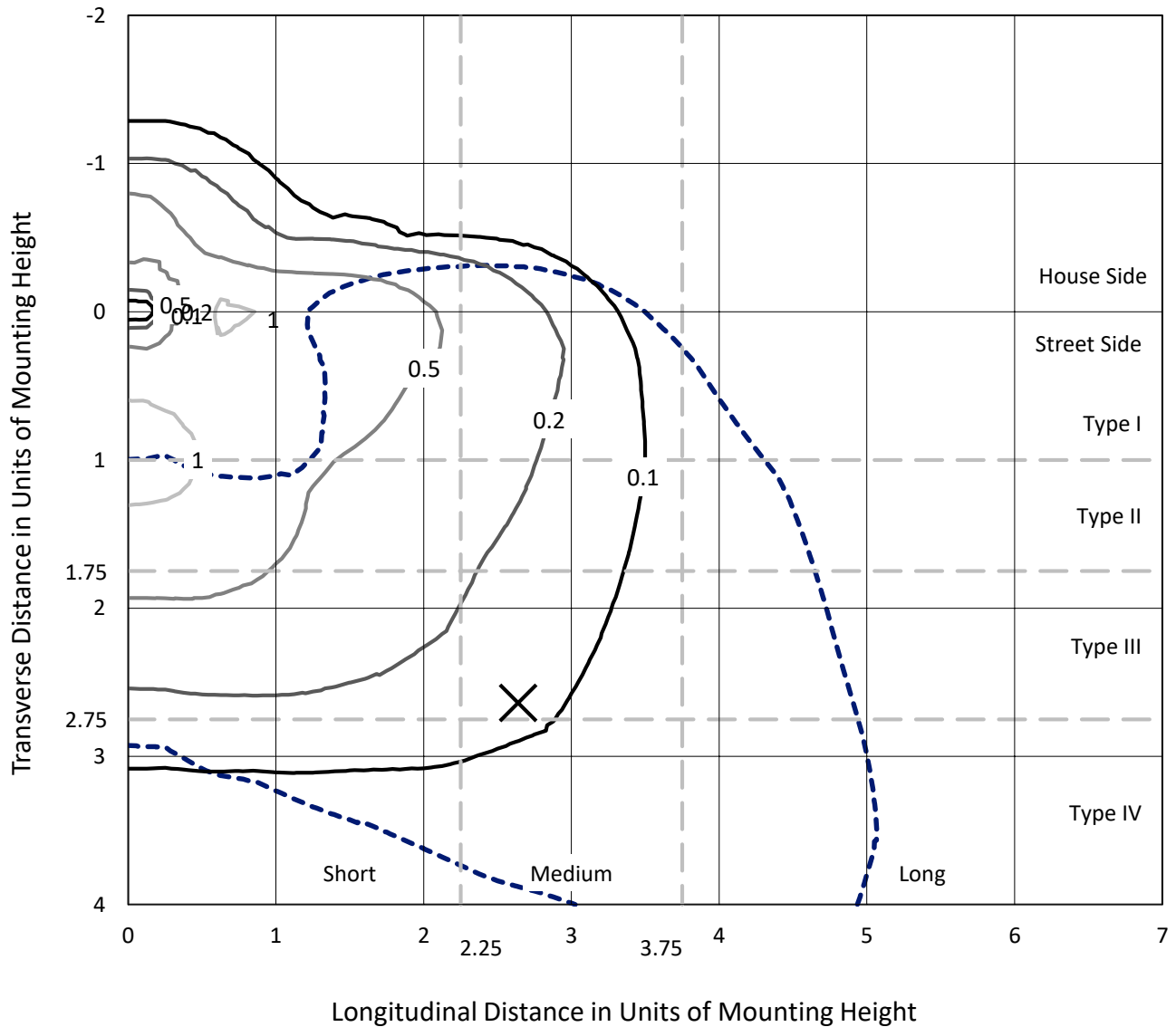


REPORT NUMBER: P416266

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

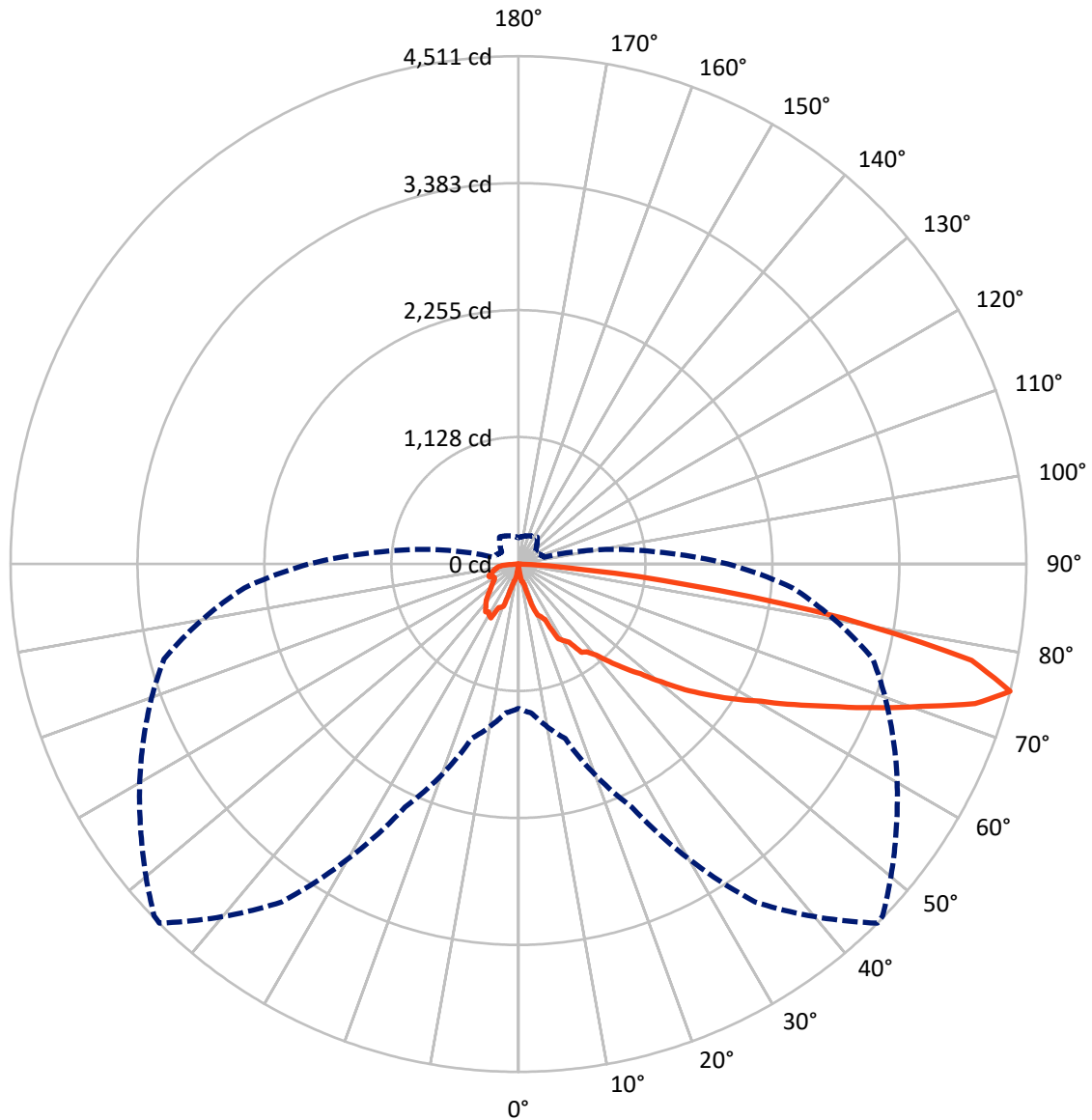


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Medium - Non-Cutoff

REPORT NUMBER: P416266

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T4W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical



REPORT NUMBER: P416266

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T4W

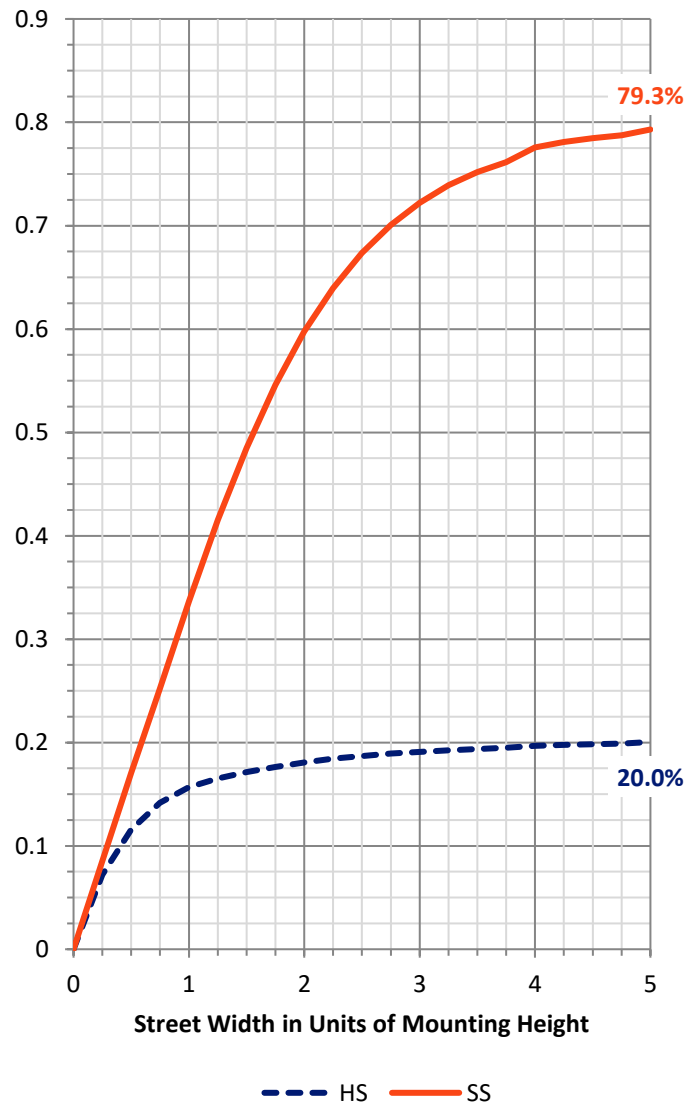
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1447.0	0.0	1447.0
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	5608.0	0.0	5608.0
	% Fixture	79.5	0.0	79.5
Total	Lumens	7055.0	0.0	7055.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.1
10°-20°	72.8	1.0
20°-30°	271.1	3.8
30°-40°	558.5	7.9
40°-50°	885.6	12.6
50°-60°	1400.0	19.8
60°-70°	1966.8	27.9
70°-80°	1637.3	23.2
80°-90°	258.2	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°	7055.0	100.0
0°-180°	7055.0	100.0



REPORT NUMBER: P416266

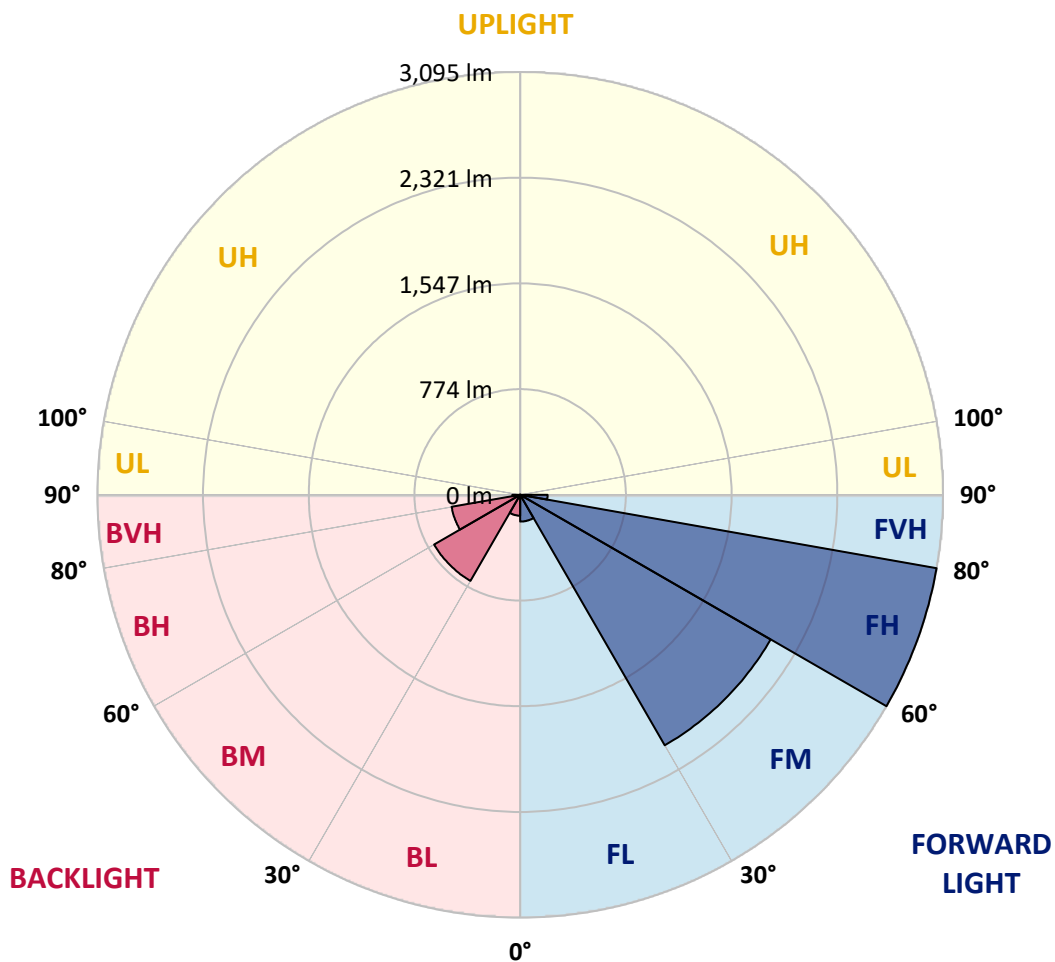
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	195.9	2.8			
FM	(30°-60°)	2116.8	30.0			
FH	(60°-80°)	3094.8	43.9			G2/5000
FVH	(80°-90°)	200.5	2.8			G2/225
BL	(0°-30°)	152.7	2.2	B1/500		
BM	(30°-60°)	727.2	10.3	B1/1000		
BH	(60°-80°)	509.4	7.2	B2/1000		G2/1000
BVH	(80°-90°)	57.7	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





REPORT NUMBER: P416266

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	3.8	3.8	3.8	3.8	3.8	3.1	3.1	2.3	3.1	3.1	3.1
5°	54.3	51.3	40.6	36.0	29.8	12.2	9.9	4.6	3.8	3.8	3.1
7.5°	161.4	159.9	157.6	152.3	145.4	91.1	78.8	28.3	5.4	3.8	3.1
10°	178.3	175.2	171.4	166.0	159.9	152.3	151.5	139.3	25.2	8.4	6.9
12.5°	350.4	344.3	287.7	208.1	172.2	163.0	163.0	157.6	114.0	39.8	93.3
15°	376.4	373.4	362.7	348.9	328.2	189.0	185.2	246.4	303.8	212.7	225.7
17.5°	423.1	416.2	383.3	366.5	351.2	381.0	378.7	352.7	332.8	235.7	253.3
20°	589.9	586.1	572.3	410.1	378.0	482.0	483.6	400.2	361.9	417.0	413.9
22.5°	603.7	602.9	593.0	568.5	599.1	505.8	506.5	531.8	528.7	553.2	501.9
25°	789.6	787.3	638.9	586.1	654.2	544.8	569.3	659.5	589.2	599.9	626.6
27.5°	810.3	808.7	800.3	763.6	677.1	750.6	750.6	681.7	750.6	785.8	790.4
30°	921.2	892.1	833.2	815.6	788.9	788.1	790.4	789.6	868.4	822.5	868.4
32.5°	1083.4	1077.3	1055.9	884.5	876.8	826.3	852.4	912.0	906.7	1045.9	1105.6
35°	1317.6	1234.2	1158.4	1020.7	910.5	962.5	966.4	945.7	1055.9	1100.3	1184.4
37.5°	1644.3	1621.3	1514.2	1149.2	1014.6	989.3	991.6	1058.9	1122.5	1171.4	1265.5
40°	1882.2	1870.0	1795.8	1407.1	1112.5	1062.0	1067.4	1111.0	1169.9	1257.1	1355.1
42.5°	2110.2	2110.2	2066.6	1627.4	1322.9	1186.0	1182.1	1191.3	1233.4	1325.2	1487.4
45°	2258.7	2250.3	2287.0	1834.8	1479.8	1319.1	1304.6	1302.3	1317.6	1426.2	1664.9
47.5°	2407.9	2384.9	2420.1	2044.4	1684.8	1456.8	1458.4	1430.0	1450.7	1617.5	1907.5
50°	2565.5	2570.1	2565.5	2221.2	1886.1	1644.3	1631.3	1595.3	1636.6	1841.7	2179.1
52.5°	2790.5	2774.4	2729.2	2446.1	2143.1	1852.4	1831.7	1779.7	1876.9	2105.7	2518.8
55°	2954.2	2938.9	2926.6	2687.2	2340.6	2053.6	2041.4	1984.0	2166.1	2371.9	2869.3
57.5°	3132.5	3114.1	3149.3	3016.2	2650.4	2264.0	2248.0	2212.8	2463.0	2675.7	3225.8
60°	3252.6	3253.4	3349.8	3253.4	2909.1	2474.5	2459.1	2485.2	2734.6	2954.2	3610.7
62.5°	3252.6	3277.8	3489.8	3512.7	3186.0	2749.1	2722.4	2736.9	3029.9	3246.5	3926.7
65°	2944.2	2975.6	3469.9	3587.7	3463.8	3046.0	3033.0	3023.8	3309.2	3477.5	4174.6
67.5°	2629.8	2668.8	3168.4	3591.6	3691.0	3406.4	3359.0	3281.7	3550.2	3649.7	4307.7
70°	2411.7	2443.8	2841.0	3468.4	3837.9	3784.4	3753.0	3549.5	3711.7	3759.1	4157.8
72.5°	2057.5	2060.5	2414.0	3208.2	3936.6	4241.2	4167.7	3846.3	3802.7	3688.0	3525.8
75°	1282.4	1329.0	1604.5	2381.1	3664.2	4510.5	4496.7	4095.8	3672.7	3258.7	2444.6
77.5°	477.4	505.0	671.0	1222.7	2622.1	4114.1	4126.4	3824.9	3106.5	2361.2	1313.0
80°	155.3	166.8	221.9	394.0	1164.5	2928.2	3023.8	2713.2	1905.2	1199.7	553.2
82.5°	86.5	83.4	128.5	204.3	497.3	1517.3	1580.0	1304.6	898.3	501.9	206.6
85°	39.8	41.3	61.2	110.9	265.5	423.1	456.8	446.1	340.5	206.6	75.7
87.5°	8.4	9.9	13.8	26.0	41.3	36.0	26.0	45.9	66.6	49.0	13.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P416266

CATALOG NUMBER: LXF.LXT-PA1-70-727-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
2.5°	3.1	3.1	2.3	2.3	1.5	1.5	0.8	0.8	1.5	1.5	1.5
5°	3.1	3.1	2.3	2.3	2.3	2.3	3.1	5.4	6.1	6.9	6.1
7.5°	3.1	3.1	3.1	3.1	3.8	7.7	36.0	110.2	117.1	119.4	122.4
10°	6.9	6.1	6.1	6.9	23.7	115.5	139.3	146.9	150.7	153.0	152.3
12.5°	106.4	105.6	39.0	23.7	110.9	146.1	150.0	154.6	162.2	169.9	166.8
15°	225.0	224.2	206.6	214.2	215.8	159.1	162.2	265.5	283.1	294.6	298.4
17.5°	244.8	247.1	240.3	296.1	303.0	241.0	270.1	296.1	302.2	306.1	306.8
20°	454.5	408.6	349.7	331.3	322.9	397.9	301.5	304.5	393.3	421.6	424.7
22.5°	499.6	495.8	463.7	477.4	403.2	414.7	390.2	411.6	451.4	459.8	459.8
25°	645.0	638.1	529.5	497.3	511.9	426.2	492.7	448.4	462.9	478.2	479.7
27.5°	792.7	784.3	707.0	559.3	507.3	537.9	500.4	541.0	585.3	606.8	607.5
30°	861.5	850.1	737.6	630.5	527.9	526.4	525.6	598.3	594.5	608.3	612.1
32.5°	1144.6	1126.3	942.6	619.8	547.8	500.4	557.8	582.3	669.5	712.3	716.9
35°	1213.5	1190.6	947.2	685.6	517.2	515.7	517.2	597.6	645.0	675.6	682.5
37.5°	1292.3	1260.9	936.5	642.7	529.5	480.5	492.0	539.4	642.7	711.6	716.9
40°	1390.3	1342.1	933.5	599.9	493.5	454.5	452.2	515.7	561.6	603.7	607.5
42.5°	1525.7	1448.4	928.9	555.5	451.4	423.1	426.9	454.5	491.2	487.4	493.5
45°	1705.5	1580.8	921.2	516.5	408.6	384.1	381.8	401.7	418.5	394.0	387.2
47.5°	1930.4	1744.5	933.5	479.0	368.8	345.8	346.6	355.0	358.1	331.3	325.2
50°	2186.0	1929.7	946.5	437.7	336.7	319.1	315.2	318.3	313.7	287.7	285.4
52.5°	2490.5	2147.0	953.4	398.6	310.6	296.9	292.3	290.0	283.1	265.5	263.2
55°	2843.2	2407.9	967.9	367.3	289.2	276.2	273.9	270.9	268.6	258.6	257.1
57.5°	3204.4	2695.6	959.5	335.1	268.6	257.1	261.7	267.0	273.2	269.3	268.6
60°	3535.7	2925.1	855.4	306.8	248.7	245.6	265.5	290.8	295.3	299.2	298.4
62.5°	3783.6	3040.7	678.7	282.3	234.9	246.4	294.6	329.8	325.2	315.2	312.9
65°	3870.8	3008.5	522.6	264.0	228.0	267.0	325.2	343.5	317.5	299.2	295.3
67.5°	3812.7	2850.1	404.8	248.7	224.2	284.6	335.9	330.5	300.7	286.9	281.6
70°	3515.0	2520.4	321.4	235.7	220.4	273.9	330.5	315.2	286.9	274.7	266.3
72.5°	2876.1	1993.2	275.4	221.1	204.3	251.7	313.7	294.6	274.7	258.6	251.0
75°	1860.0	1225.7	239.5	204.3	182.9	228.0	292.3	274.7	257.9	241.8	234.1
77.5°	895.2	557.0	209.6	183.6	163.0	210.4	274.7	254.0	237.2	221.1	211.9
80°	377.2	263.2	179.0	163.0	148.4	197.4	255.6	231.8	212.7	201.2	191.3
82.5°	183.6	145.4	136.2	132.4	129.3	179.8	234.9	205.8	185.9	175.2	153.0
85°	62.0	62.7	84.2	81.9	91.1	143.8	192.0	156.1	139.3	120.9	113.2
87.5°	6.1	8.4	11.5	14.5	29.8	39.8	65.8	53.6	42.1	16.1	10.7
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)