

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: P417410

Luminaire Tested: **LXF.LXT-PA1-90-830-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417410
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-PA1-90-830-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7900 lumens
Efficiency: N/A
Efficacy: 84.0 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

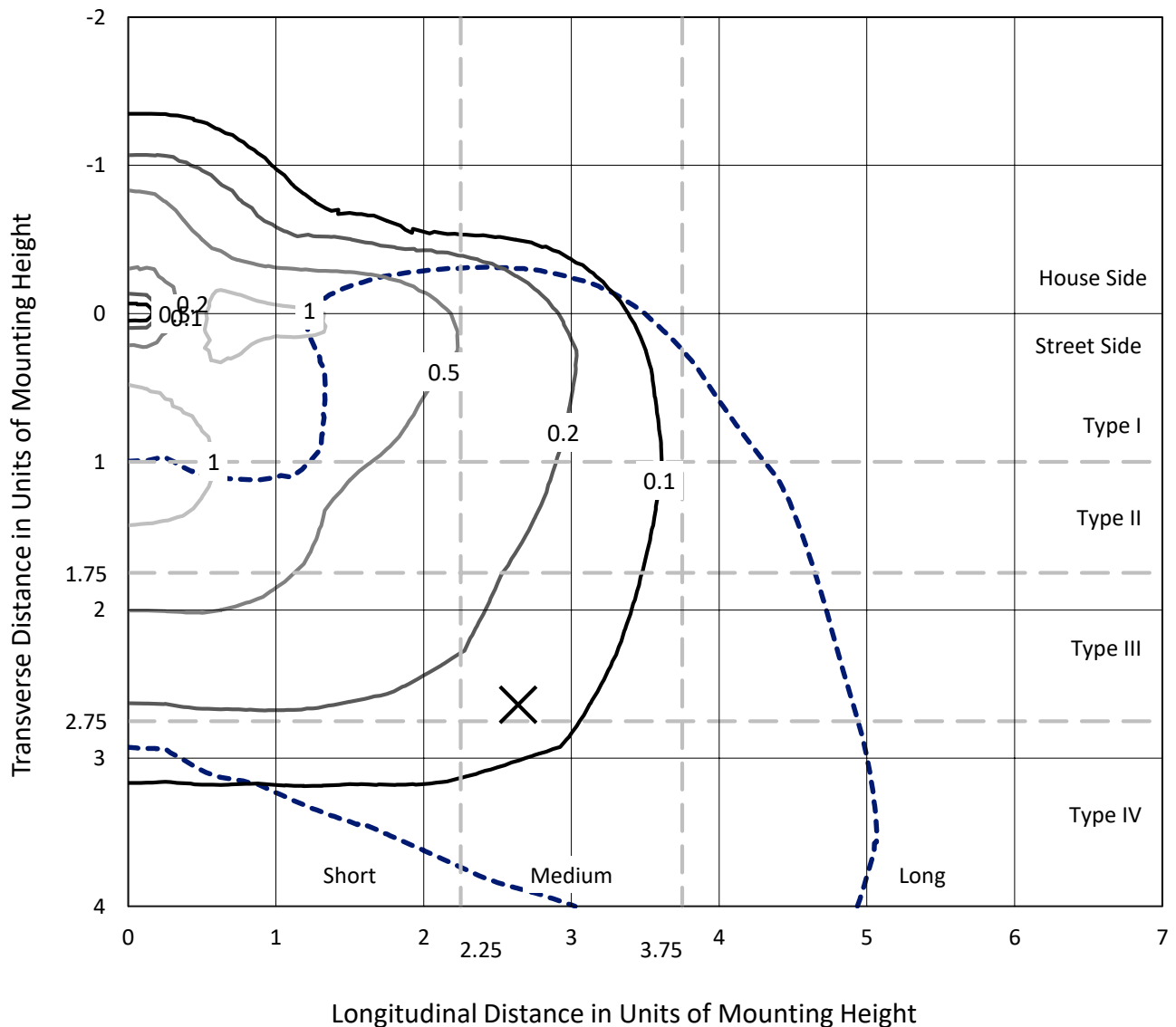
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

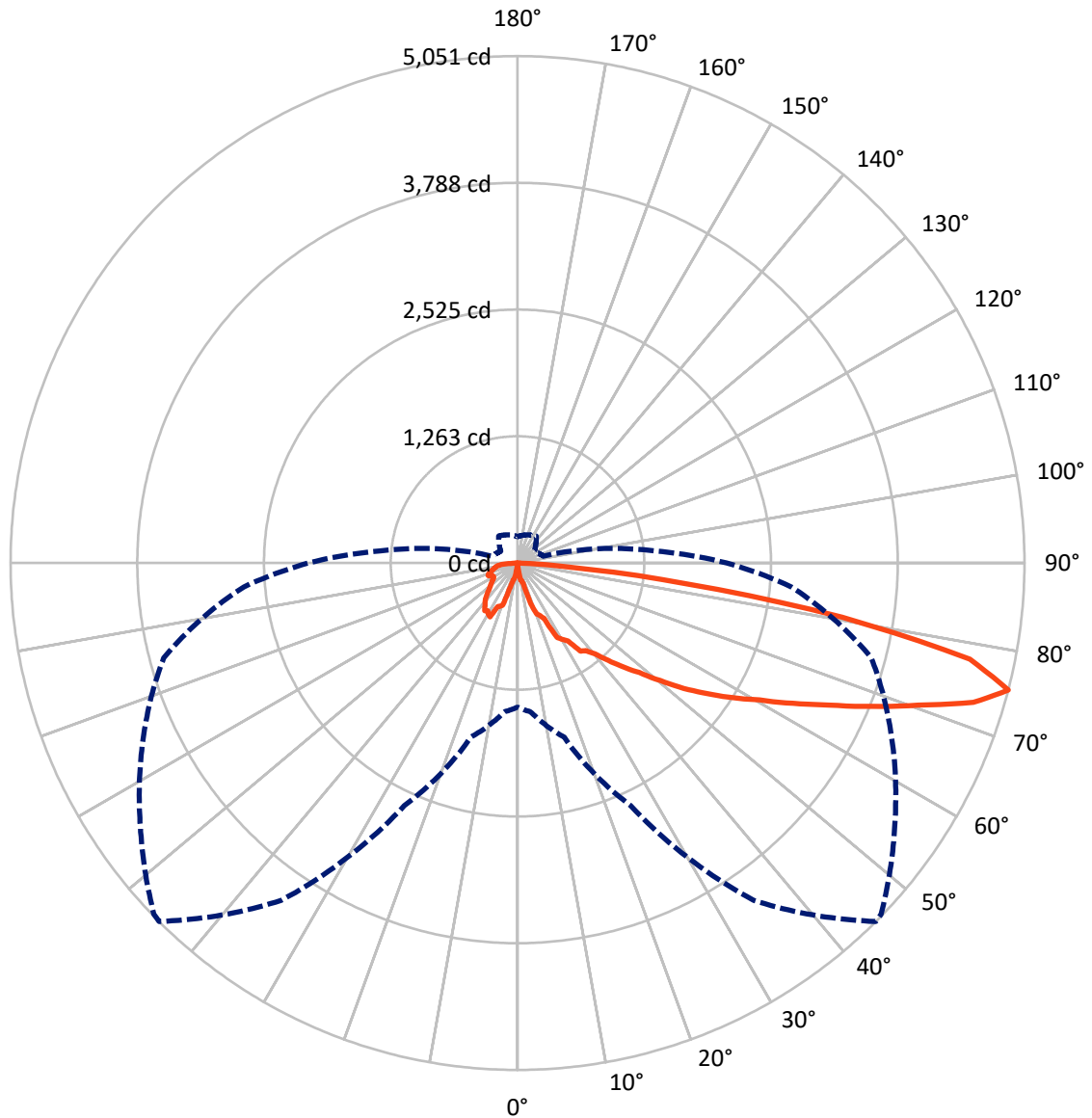
× Max cd
 - - - 1/2 Max cd



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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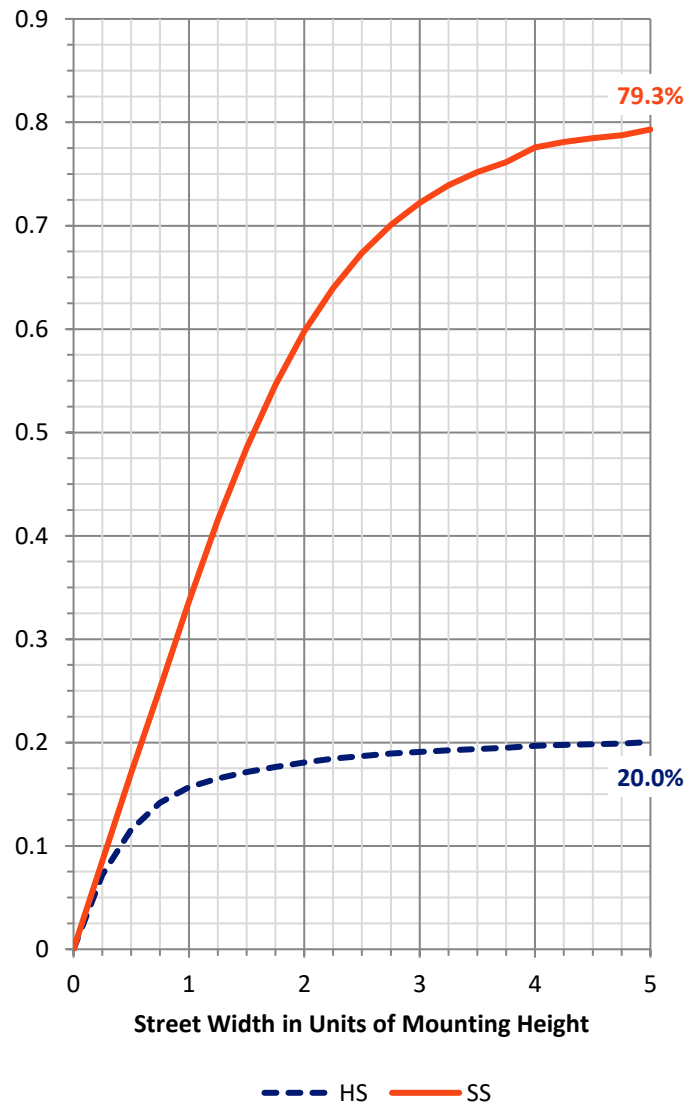
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1620.3	0.0	1620.3
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	6279.7	0.0	6279.7
	% Fixture	79.5	0.0	79.5
Total	Lumens	7900.0	0.0	7900.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.2	0.1
10°-20°	81.6	1.0
20°-30°	303.5	3.8
30°-40°	625.4	7.9
40°-50°	991.7	12.6
50°-60°	1567.6	19.8
60°-70°	2202.4	27.9
70°-80°	1833.5	23.2
80°-90°	289.1	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°	7900.0	100.0
0°-180°	7900.0	100.0

Coefficient of Utilization



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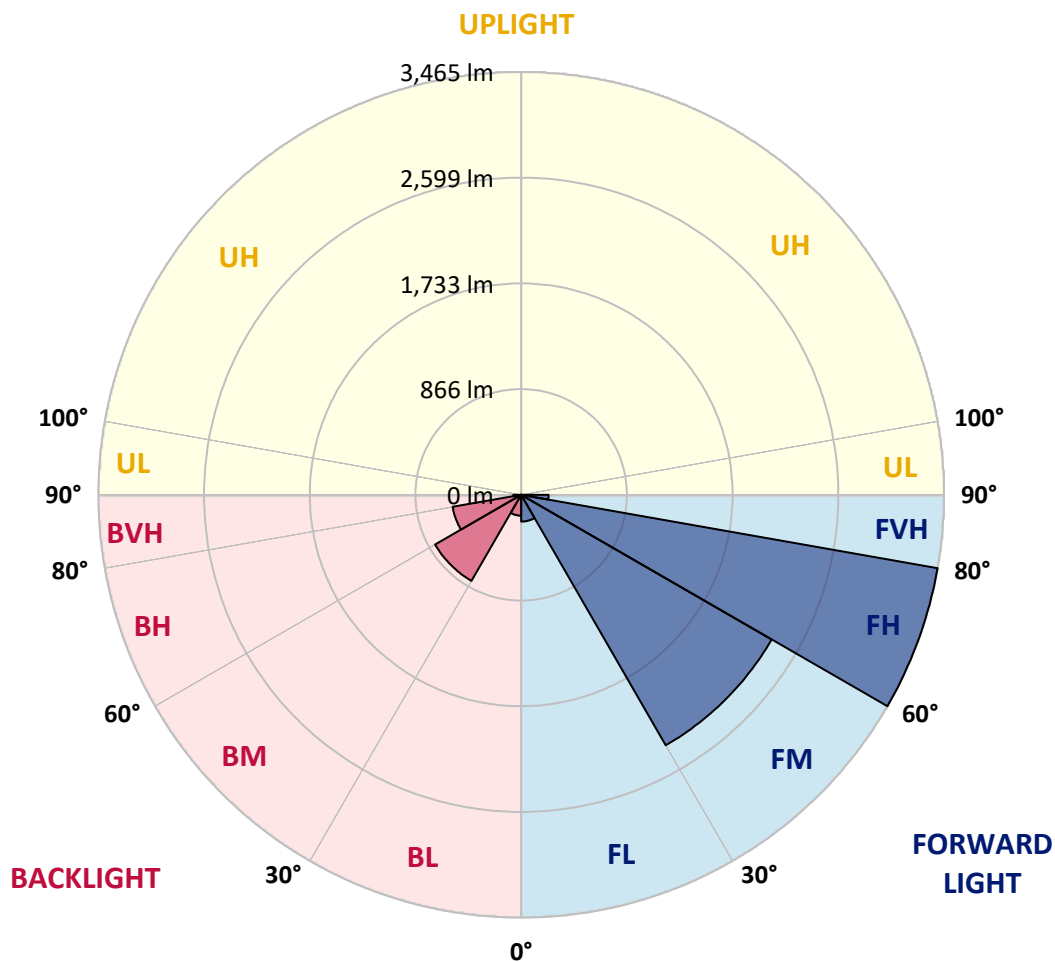
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	219.4	2.8			
FM	(30°-60°)	2370.4	30.0			
FH	(60°-80°)	3465.5	43.9			G2/5000
FVH	(80°-90°)	224.5	2.8			G2/225
BL	(0°-30°)	171.0	2.2	B1/500		
BM	(30°-60°)	814.3	10.3	B1/1000		
BH	(60°-80°)	570.4	7.2	B2/1000		G2/1000
BVH	(80°-90°)	64.6	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°	4.3	4.3	4.3	4.3	4.3	3.4	3.4	2.6	3.4	3.4	3.4
5°	60.8	57.4	45.4	40.3	33.4	13.7	11.1	5.1	4.3	4.3	3.4
7.5°	180.8	179.1	176.5	170.5	162.8	102.0	88.2	31.7	6.0	4.3	3.4
10°	199.6	196.2	191.9	185.9	179.1	170.5	169.6	155.9	28.3	9.4	7.7
12.5°	392.4	385.6	322.1	233.0	192.8	182.5	182.5	176.5	127.7	44.6	104.5
15°	421.5	418.1	406.1	390.7	367.6	211.6	207.3	275.9	340.1	238.2	252.8
17.5°	473.8	466.1	429.2	410.4	393.3	426.7	424.1	395.0	372.7	263.9	283.6
20°	660.6	656.3	640.9	459.2	423.2	539.8	541.5	448.1	405.3	466.9	463.5
22.5°	676.0	675.1	664.0	636.6	670.9	566.3	567.2	595.5	592.0	619.5	562.0
25°	884.2	881.6	715.4	656.3	732.5	610.0	637.4	738.5	659.7	671.7	701.7
27.5°	907.3	905.6	896.2	855.1	758.3	840.5	840.5	763.4	840.5	879.9	885.1
30°	1031.6	999.0	933.0	913.3	883.3	882.5	885.1	884.2	972.4	921.0	972.4
32.5°	1213.2	1206.3	1182.4	990.4	981.9	925.3	954.5	1021.3	1015.3	1171.2	1238.0
35°	1475.4	1382.0	1297.2	1142.9	1019.6	1077.8	1082.1	1059.0	1182.4	1232.0	1326.3
37.5°	1841.2	1815.5	1695.6	1286.9	1136.1	1107.8	1110.4	1185.8	1256.9	1311.7	1417.1
40°	2107.7	2094.0	2010.9	1575.6	1245.8	1189.2	1195.2	1244.0	1310.0	1407.7	1517.4
42.5°	2363.0	2363.0	2314.2	1822.4	1481.4	1328.0	1323.7	1334.0	1381.1	1483.9	1665.6
45°	2529.2	2519.8	2560.9	2054.6	1657.0	1477.1	1460.8	1458.2	1475.4	1597.0	1864.4
47.5°	2696.3	2670.6	2710.0	2289.3	1886.6	1631.3	1633.0	1601.3	1624.5	1811.2	2136.0
50°	2872.8	2877.9	2872.8	2487.2	2112.0	1841.2	1826.7	1786.4	1832.7	2062.3	2440.1
52.5°	3124.7	3106.7	3056.1	2739.1	2399.8	2074.3	2051.1	1992.9	2101.7	2357.9	2820.5
55°	3308.0	3290.9	3277.2	3009.0	2620.9	2299.6	2285.9	2221.6	2425.5	2656.0	3212.9
57.5°	3507.7	3487.1	3526.5	3377.4	2967.9	2535.2	2517.2	2477.8	2758.0	2996.2	3612.2
60°	3642.2	3643.0	3751.0	3643.0	3257.5	2770.8	2753.7	2782.8	3062.1	3308.0	4043.1
62.5°	3642.2	3670.4	3907.8	3933.5	3567.6	3078.4	3048.4	3064.7	3392.8	3635.3	4397.0
65°	3296.9	3332.0	3885.5	4017.4	3878.6	3410.8	3396.3	3386.0	3705.6	3894.1	4674.6
67.5°	2944.8	2988.4	3547.9	4021.7	4133.1	3814.4	3761.3	3674.7	3975.5	4086.8	4823.7
70°	2700.6	2736.6	3181.2	3883.8	4297.6	4237.6	4202.5	3974.6	4156.2	4209.4	4655.7
72.5°	2303.9	2307.3	2703.1	3592.5	4408.1	4749.1	4666.9	4307.0	4258.2	4129.7	3948.0
75°	1436.0	1488.2	1796.7	2666.3	4103.1	5050.7	5035.3	4586.3	4112.5	3649.0	2737.4
77.5°	534.6	565.5	751.4	1369.1	2936.2	4606.9	4620.6	4283.0	3478.5	2644.0	1470.2
80°	173.9	186.8	248.5	441.2	1304.0	3278.9	3386.0	3038.1	2133.4	1343.4	619.5
82.5°	96.8	93.4	143.9	228.8	556.9	1699.0	1769.3	1460.8	1005.9	562.0	231.3
85°	44.6	46.3	68.5	124.2	297.3	473.8	511.5	499.5	381.3	231.3	84.8
87.5°	9.4	11.1	15.4	29.1	46.3	40.3	29.1	51.4	74.5	54.8	14.6
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°	3.4	3.4	2.6	2.6	1.7	1.7	0.9	0.9	1.7	1.7	1.7
5°	3.4	3.4	2.6	2.6	2.6	2.6	3.4	6.0	6.9	7.7	6.9
7.5°	3.4	3.4	3.4	3.4	4.3	8.6	40.3	123.4	131.1	133.7	137.1
10°	7.7	6.9	6.9	7.7	26.6	129.4	155.9	164.5	168.8	171.4	170.5
12.5°	119.1	118.2	43.7	26.6	124.2	163.6	167.9	173.1	181.6	190.2	186.8
15°	251.9	251.0	231.3	239.9	241.6	178.2	181.6	297.3	317.0	329.9	334.1
17.5°	274.2	276.7	269.0	331.6	339.3	269.9	302.4	331.6	338.4	342.7	343.6
20°	508.9	457.5	391.5	371.0	361.6	445.5	337.6	341.0	440.4	472.1	475.5
22.5°	559.5	555.2	519.2	534.6	451.5	464.4	437.0	460.9	505.5	514.9	514.9
25°	722.3	714.6	592.9	556.9	573.2	477.2	551.8	502.1	518.4	535.5	537.2
27.5°	887.6	878.2	791.7	626.3	568.0	602.3	560.3	605.7	655.4	679.4	680.3
30°	964.7	951.9	825.9	706.0	591.2	589.5	588.6	670.0	665.7	681.1	685.4
32.5°	1281.7	1261.2	1055.6	694.0	613.5	560.3	624.6	652.0	749.7	797.7	802.8
35°	1358.9	1333.1	1060.7	767.7	579.2	577.5	579.2	669.1	722.3	756.5	764.2
37.5°	1447.1	1412.0	1048.7	719.7	592.9	538.1	550.9	604.0	719.7	796.8	802.8
40°	1556.8	1502.8	1045.3	671.7	552.6	508.9	506.4	577.5	628.9	676.0	680.3
42.5°	1708.4	1621.9	1040.1	622.0	505.5	473.8	478.1	508.9	550.1	545.8	552.6
45°	1909.8	1770.1	1031.6	578.3	457.5	430.1	427.5	449.8	468.7	441.2	433.5
47.5°	2161.7	1953.5	1045.3	536.3	413.0	387.3	388.1	397.5	401.0	371.0	364.1
50°	2447.8	2160.8	1059.8	490.1	377.0	357.3	353.0	356.4	351.3	322.1	319.6
52.5°	2788.8	2404.1	1067.5	446.4	347.9	332.4	327.3	324.7	317.0	297.3	294.7
55°	3183.8	2696.3	1083.8	411.3	323.9	309.3	306.7	303.3	300.7	289.6	287.9
57.5°	3588.2	3018.4	1074.4	375.3	300.7	287.9	293.0	299.0	305.9	301.6	300.7
60°	3959.2	3275.5	957.9	343.6	278.5	275.0	297.3	325.6	330.7	335.0	334.1
62.5°	4236.8	3404.8	760.0	316.2	263.0	275.9	329.9	369.3	364.1	353.0	350.4
65°	4334.4	3368.9	585.2	295.6	255.3	299.0	364.1	384.7	355.6	335.0	330.7
67.5°	4269.3	3191.5	453.2	278.5	251.0	318.7	376.1	370.1	336.7	321.3	315.3
70°	3936.0	2822.2	359.8	263.9	246.8	306.7	370.1	353.0	321.3	307.6	298.2
72.5°	3220.6	2231.9	308.4	247.6	228.8	281.9	351.3	329.9	307.6	289.6	281.0
75°	2082.8	1372.6	268.2	228.8	204.8	255.3	327.3	307.6	288.7	270.7	262.2
77.5°	1002.4	623.7	234.8	205.6	182.5	235.6	307.6	284.5	265.6	247.6	237.3
80°	422.4	294.7	200.5	182.5	166.2	221.0	286.2	259.6	238.2	225.3	214.2
82.5°	205.6	162.8	152.5	148.2	144.8	201.3	263.0	230.5	208.2	196.2	171.4
85°	69.4	70.3	94.2	91.7	102.0	161.1	215.1	174.8	155.9	135.4	126.8
87.5°	6.9	9.4	12.9	16.3	33.4	44.6	73.7	60.0	47.1	18.0	12.0
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)