

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: P416499

Luminaire Tested: **LXF.LXT-PA1-70-827-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416499
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-PA1-70-827-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6130 lumens
Efficiency: N/A
Efficacy: 82.8 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

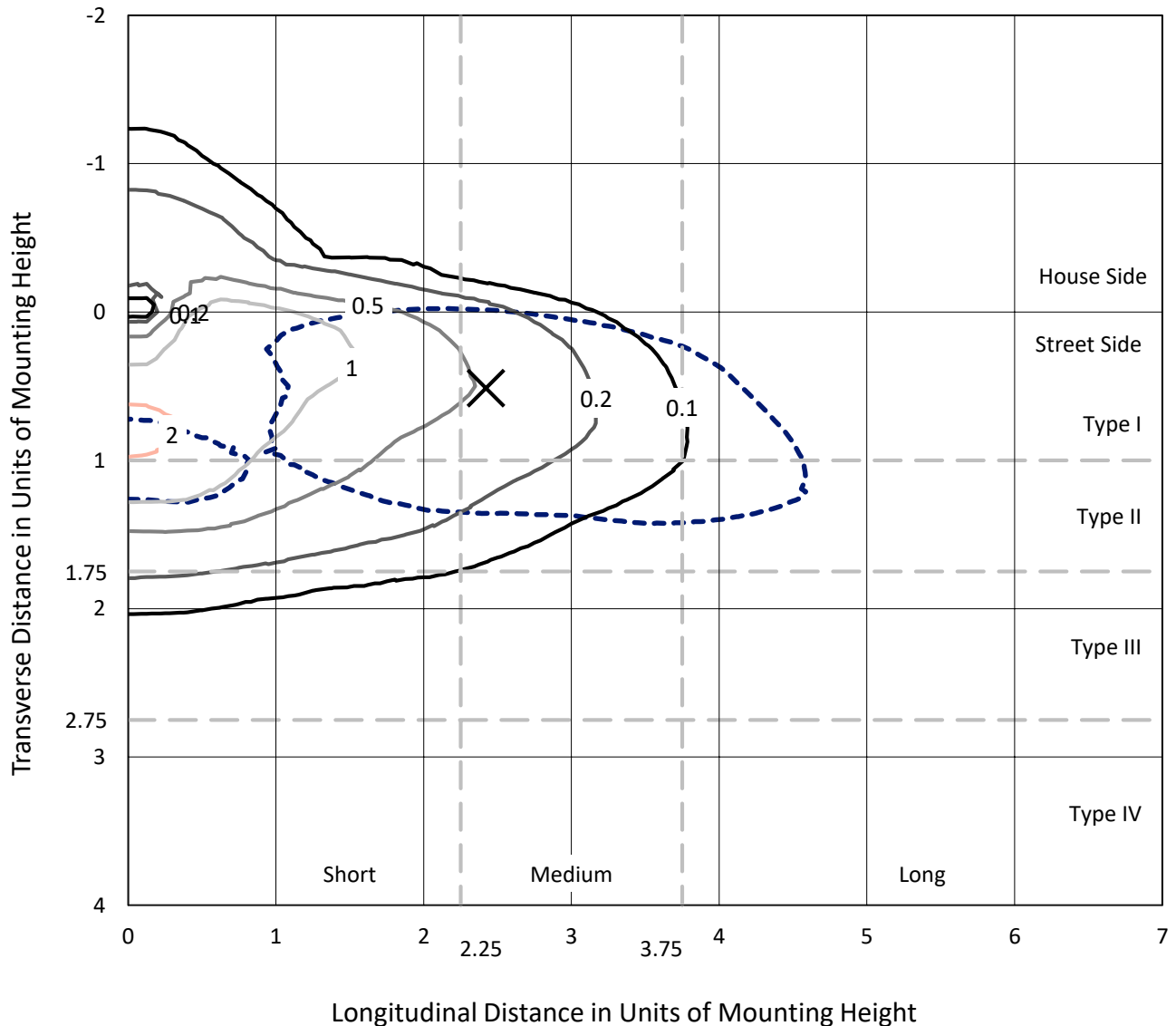
Input Watts (W): 74
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

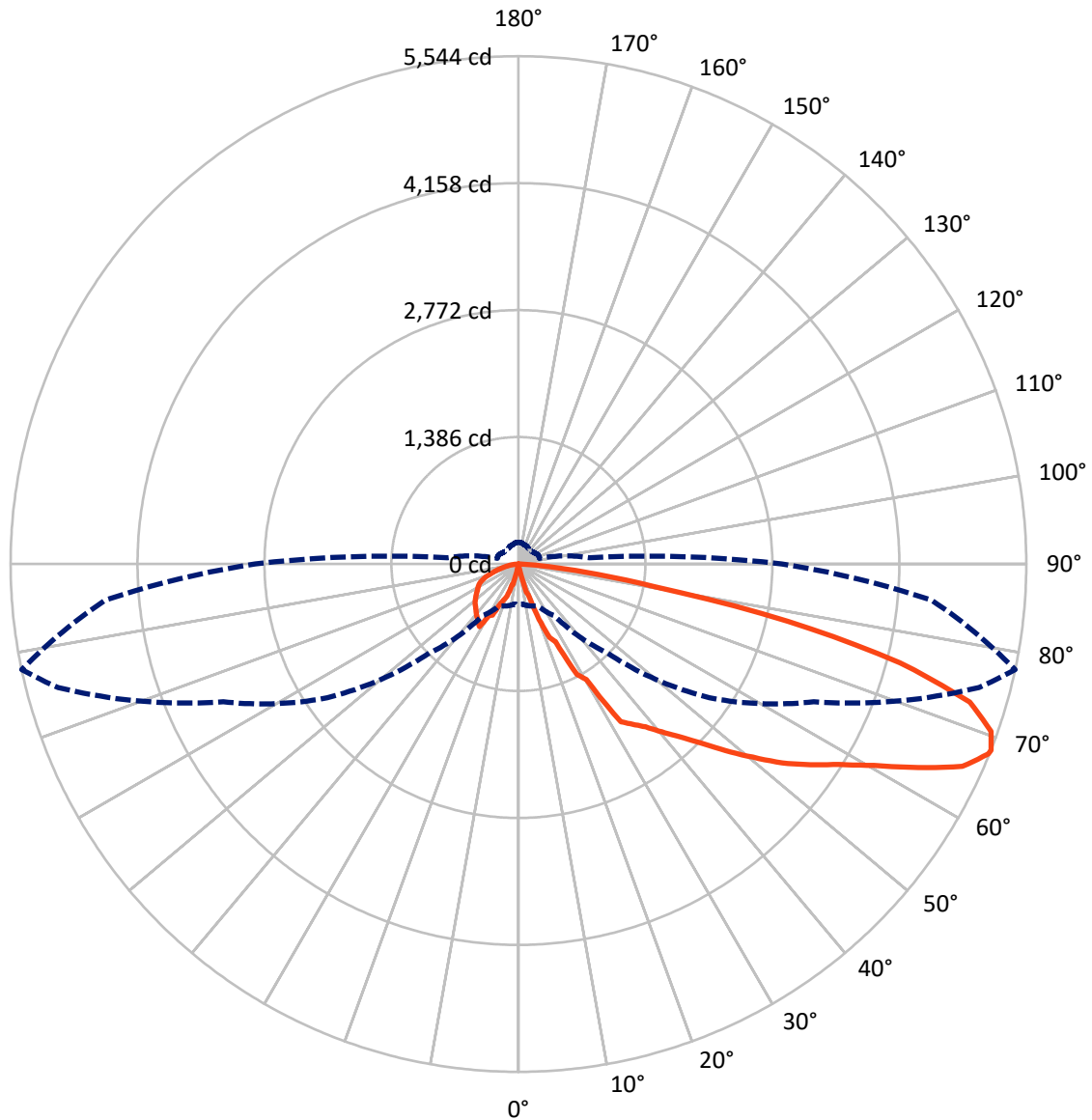


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical



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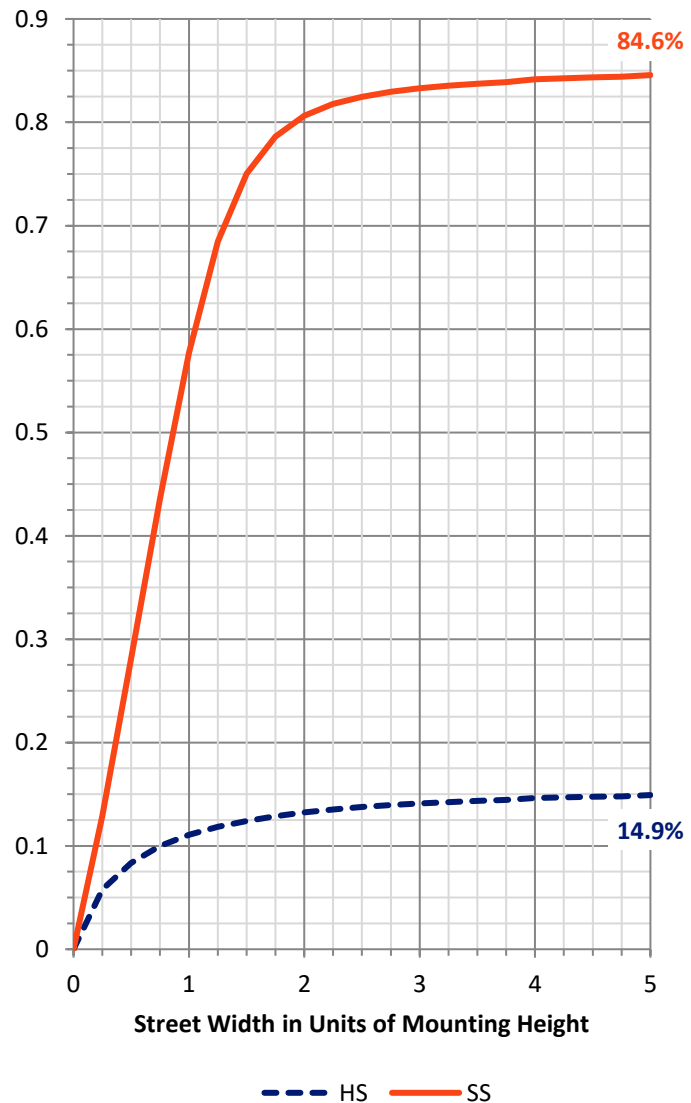
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	930.7	0.0	930.7
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	5199.3	0.0	5199.3
	% Fixture	84.8	0.0	84.8
Total	Lumens	6130.0	0.0	6130.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.1	0.1
10°-20°	88.8	1.4
20°-30°	338.3	5.5
30°-40°	789.8	12.9
40°-50°	1233.0	20.1
50°-60°	1415.4	23.1
60°-70°	1315.2	21.5
70°-80°	812.6	13.3
80°-90°	130.9	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°	6130.0	100.0
0°-180°	6130.0	100.0



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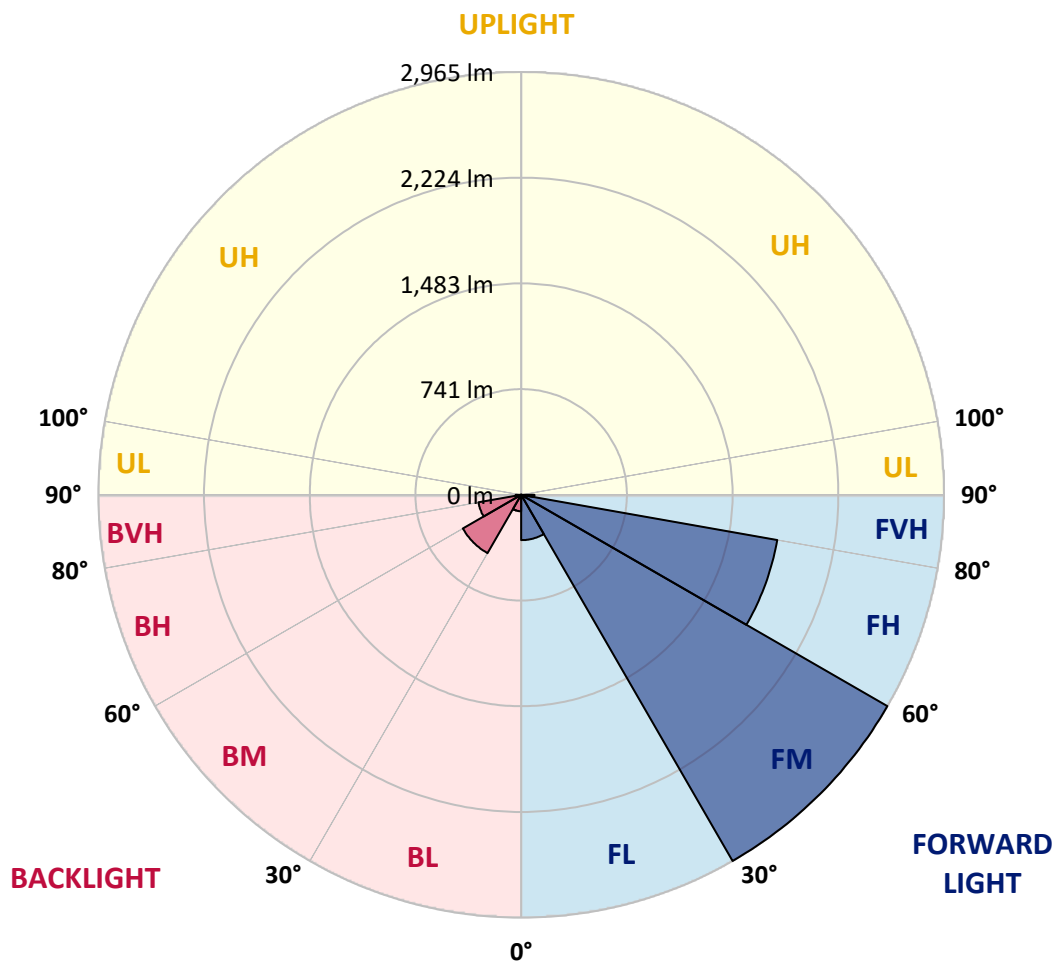
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	317.9	5.2			
FM (30°-60°)	2965.3	48.4			
FH (60°-80°)	1823.6	29.7			G2/5000
FVH (80°-90°)	92.6	1.5			G1/100
BL (0°-30°)	115.3	1.9	B1/500		
BM (30°-60°)	472.8	7.7	B1/1000		
BH (60°-80°)	304.2	5.0	B1/500		G1/500
BVH (80°-90°)	38.3	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°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
2.5°	4.7	4.7	5.4	6.1	7.4	6.7	4.7	3.4	2.7	2.7	2.7
5°	217.2	199.7	111.6	57.8	20.2	12.1	6.1	4.7	3.4	3.4	2.7
7.5°	245.5	244.1	242.1	240.1	236.7	224.0	23.5	6.7	4.0	4.0	2.7
10°	265.0	263.0	261.6	260.3	255.6	248.8	237.4	20.8	7.4	6.7	6.1
12.5°	514.5	513.1	511.1	326.9	277.1	269.7	259.6	185.6	21.5	32.3	97.5
15°	513.1	511.1	517.2	527.9	536.7	295.2	297.9	521.2	322.8	310.0	330.2
17.5°	535.3	532.6	525.9	533.3	549.5	617.4	583.8	564.3	380.0	362.5	352.4
20°	784.8	784.8	792.9	786.2	570.3	788.9	747.2	606.0	686.7	645.6	600.6
22.5°	830.6	827.2	828.6	842.0	990.0	817.8	824.5	934.8	954.3	871.6	747.2
25°	1181.0	1180.3	1133.9	889.8	1043.8	985.9	1139.3	1000.1	1035.0	937.5	916.7
27.5°	1328.9	1330.3	1292.6	1259.0	1103.0	1278.5	1209.2	1316.8	1470.2	1365.9	1174.2
30°	1788.3	1770.8	1474.9	1441.9	1349.8	1347.8	1464.1	1554.9	1511.9	1462.8	1311.4
32.5°	2125.2	2107.7	2042.5	1814.5	1604.7	1501.1	1682.0	1626.9	1972.5	2053.2	1778.2
35°	2646.4	2640.4	2294.0	2058.6	1884.4	1815.2	1767.4	1982.0	2135.3	2147.4	1893.9
37.5°	3046.6	3027.1	2824.0	2409.0	2121.2	1961.1	2074.8	2078.1	2313.5	2256.3	2074.8
40°	3229.5	3217.4	3061.4	2672.0	2339.1	2158.2	2203.9	2223.4	2508.5	2409.7	2206.6
42.5°	3368.7	3353.9	3255.1	2830.0	2530.7	2357.9	2337.0	2354.5	2697.5	2577.1	2347.8
45°	3440.7	3431.9	3385.5	2942.3	2664.6	2485.0	2479.6	2470.2	2826.0	2783.6	2501.1
47.5°	3400.3	3390.9	3411.8	3095.0	2748.0	2589.2	2612.1	2595.3	2973.3	3042.5	2667.9
50°	3176.4	3185.1	3268.5	3101.0	2801.1	2674.0	2752.0	2710.3	3173.7	3315.6	2870.4
52.5°	2528.0	2563.7	2916.8	2966.5	2806.5	2713.7	2877.8	2885.8	3422.5	3607.5	3136.7
55°	1886.5	1936.9	2249.6	2638.3	2698.9	2715.0	2958.5	3046.6	3670.7	3867.1	3360.6
57.5°	1485.0	1515.9	1715.0	2105.0	2439.3	2667.3	3041.2	3177.0	3901.4	4126.7	3580.6
60°	1187.0	1168.2	1298.0	1593.9	2033.1	2533.4	3077.5	3347.2	4188.5	4461.6	3839.5
62.5°	858.2	859.5	958.4	1127.2	1609.4	2269.1	3049.3	3512.0	4554.4	4894.7	4184.5
65°	608.6	614.7	681.9	772.7	1163.5	1906.0	2909.4	3624.3	4967.3	5327.8	4464.9
67.5°	463.4	467.4	499.0	541.4	751.9	1450.0	2622.2	3601.4	5194.0	5532.9	4546.3
68°	444.5	437.8	473.5	504.4	692.0	1374.7	2543.5	3555.7	5204.7	5544.4	4526.8
70°	374.6	374.6	390.7	398.1	490.3	1016.2	2158.2	3279.3	5166.4	5473.7	4378.9
72.5°	312.7	310.7	320.1	314.1	346.4	665.1	1567.7	2828.0	4892.7	5151.6	3938.3
75°	260.3	260.3	261.6	256.9	265.7	445.9	1018.9	2215.3	4322.4	4301.5	3205.3
77.5°	221.9	216.6	215.2	208.5	215.9	324.2	624.8	1576.4	3120.5	3008.2	2035.1
80°	176.2	175.5	176.9	172.8	178.9	236.1	380.7	921.4	1699.5	1495.7	948.9
82.5°	109.0	119.7	131.8	131.8	150.6	166.8	230.7	493.0	823.9	724.3	402.8
85°	35.6	43.7	77.3	80.0	96.8	78.0	132.5	158.7	275.1	245.5	77.3
87.5°	1.3	2.0	6.1	9.4	8.7	5.4	9.4	7.4	15.5	11.4	12.1
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°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
2.5°	2.7	2.7	2.7	3.4	3.4	2.0	1.3	2.7	2.7	2.7	2.7
5°	2.7	2.7	3.4	3.4	3.4	2.7	3.4	4.7	5.4	5.4	5.4
7.5°	2.7	2.7	2.7	4.0	4.0	4.7	6.7	40.4	92.8	101.6	100.2
10°	5.4	4.7	5.4	6.1	7.4	86.1	113.0	119.0	121.7	123.7	123.1
12.5°	129.1	115.7	21.5	12.1	81.4	121.1	123.1	127.8	132.5	134.5	134.5
15°	302.6	271.0	207.1	156.0	139.2	129.1	131.1	172.2	234.0	240.1	240.8
17.5°	321.5	281.8	216.6	238.7	246.1	191.7	210.5	236.7	239.4	240.1	240.1
20°	606.0	507.8	308.0	251.5	250.9	320.8	224.6	231.4	235.4	267.7	271.7
22.5°	655.7	544.1	369.9	357.1	270.4	320.8	293.9	285.8	312.7	310.0	312.1
25°	824.5	653.0	389.4	358.5	378.6	310.7	345.0	284.5	289.2	287.8	287.8
27.5°	1048.5	823.9	544.1	401.5	367.9	359.1	319.5	273.7	328.2	329.5	329.5
30°	1110.4	847.4	544.1	433.8	382.7	353.1	295.2	323.5	305.3	299.9	297.3
32.5°	1538.8	1149.4	658.4	417.6	377.3	324.2	323.5	300.6	299.9	312.1	312.1
35°	1616.8	1166.8	601.2	477.5	355.8	334.2	307.3	304.0	290.5	285.8	285.2
37.5°	1694.1	1177.6	557.5	438.5	365.2	318.8	302.6	279.1	293.9	293.9	292.6
40°	1776.8	1189.0	517.8	402.8	335.6	318.8	280.4	278.4	258.3	259.6	258.3
42.5°	1865.6	1193.7	475.5	373.3	308.0	299.3	271.0	250.2	249.5	254.2	252.9
45°	1967.2	1199.8	436.5	335.6	280.4	263.6	242.1	243.5	256.2	267.0	267.0
47.5°	2075.4	1205.2	404.2	302.0	260.9	239.4	223.3	228.7	251.5	262.3	265.7
50°	2222.0	1211.9	367.2	274.4	247.5	221.3	218.6	223.3	248.2	256.2	252.9
52.5°	2378.1	1199.8	330.9	256.9	233.4	201.1	205.8	217.9	244.8	248.8	246.1
55°	2505.9	1169.5	302.6	245.5	223.3	192.3	199.1	213.9	239.4	241.4	242.1
57.5°	2654.5	1129.9	280.4	236.7	217.2	188.3	196.4	213.2	228.7	238.1	238.1
60°	2800.4	1083.4	267.0	232.0	212.5	188.3	196.4	212.5	226.6	236.7	236.1
62.5°	2971.2	1031.0	258.9	234.7	206.5	190.3	197.7	214.5	226.0	237.4	236.1
65°	3031.1	930.8	252.9	238.7	205.8	193.0	198.4	217.2	225.3	238.7	237.4
67.5°	2912.7	798.3	242.8	238.7	211.8	196.4	197.7	215.9	223.3	239.4	233.4
68°	2873.1	778.8	239.4	238.1	212.5	197.1	197.7	215.2	221.9	238.7	232.0
70°	2652.5	655.0	222.6	231.4	215.2	199.7	194.4	210.5	215.2	237.4	229.3
72.5°	2295.4	510.5	194.4	215.2	212.5	203.8	188.3	201.1	203.8	221.9	208.5
75°	1835.3	388.1	160.7	187.0	199.7	203.8	179.6	188.3	187.6	196.4	184.3
77.5°	1154.1	277.1	129.8	158.7	181.6	198.4	171.5	171.5	163.4	164.8	159.4
80°	559.5	189.7	104.9	131.1	152.0	187.6	157.4	144.6	134.5	131.8	125.1
82.5°	275.1	122.4	72.6	98.9	120.4	155.4	141.2	119.0	101.6	100.2	89.4
85°	63.9	50.4	39.7	52.5	76.0	101.6	101.6	74.7	63.2	82.0	60.5
87.5°	6.1	7.4	8.1	7.4	9.4	8.7	21.5	21.5	19.5	12.8	8.7
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)