

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: P416239

Luminaire Tested: **LXF.LXT-PA1-70-727-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416239
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-PA1-70-727-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 6974 lumens
Efficiency: N/A
Efficacy: 94.2 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

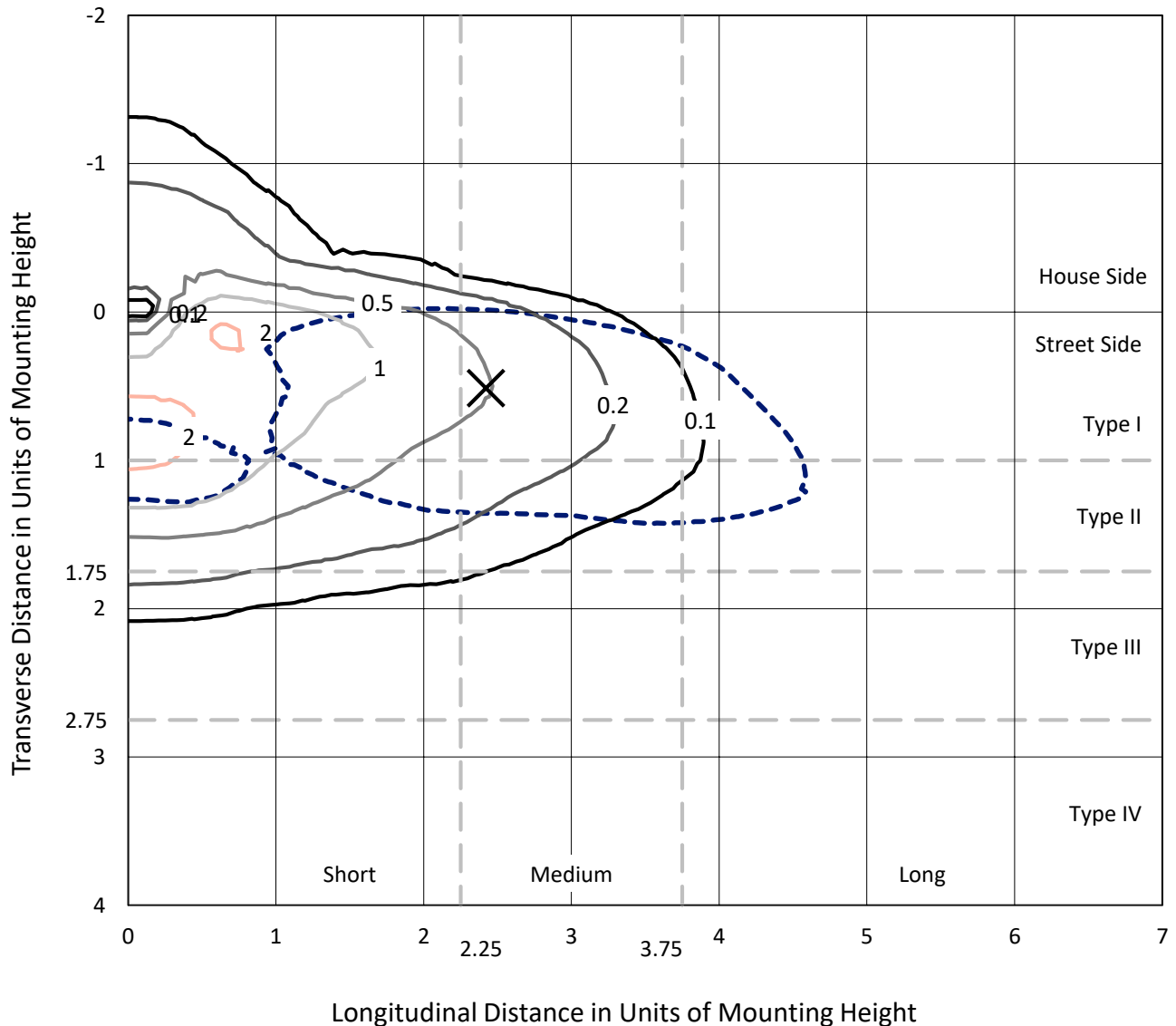
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

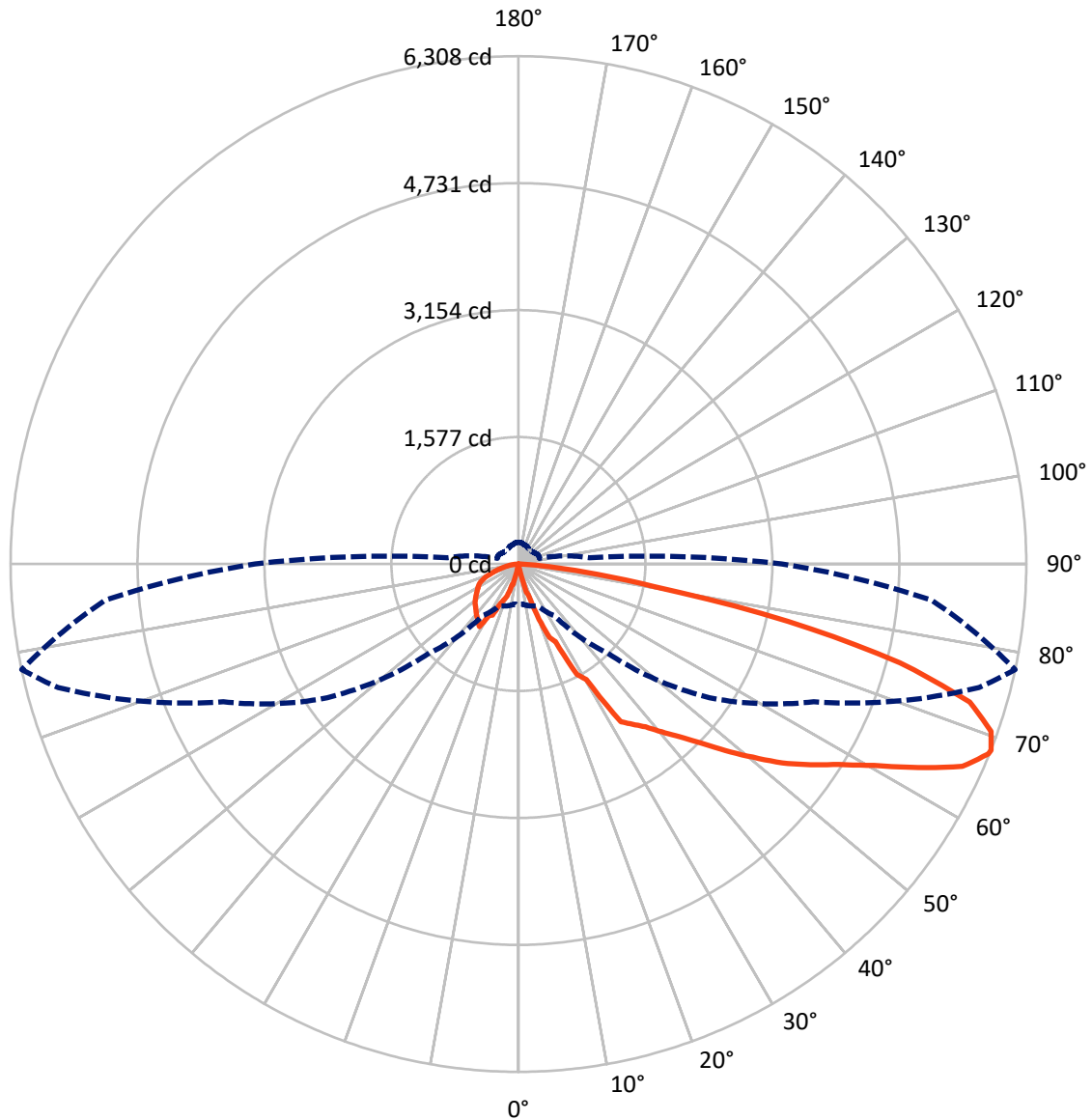


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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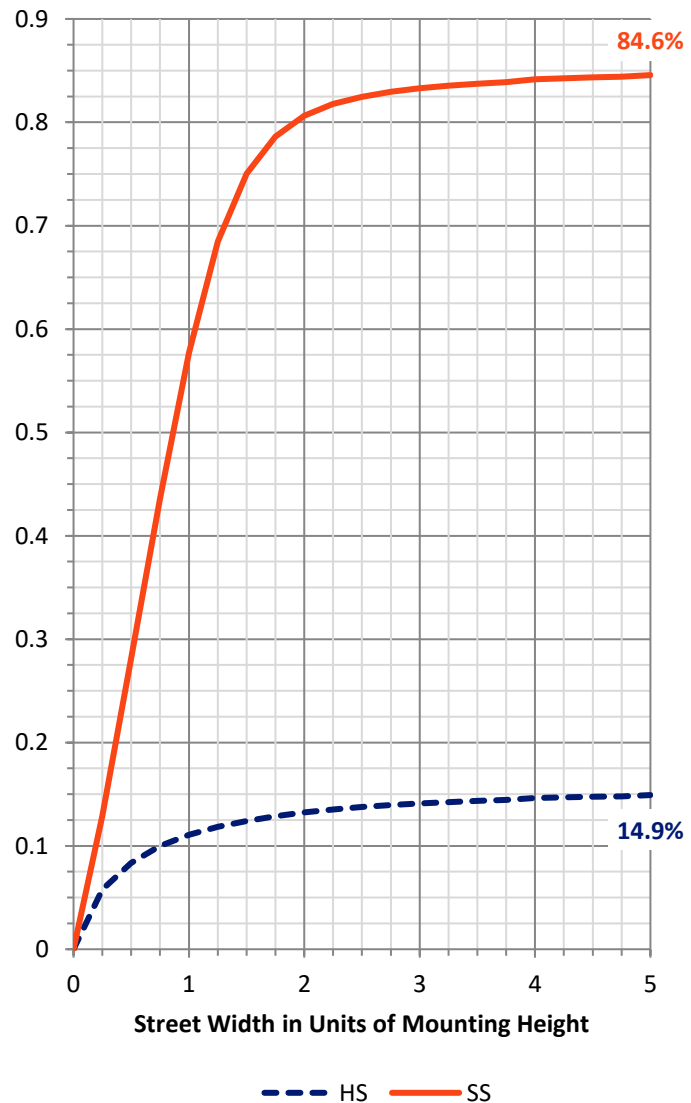
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1058.8	0.0	1058.8
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	5915.2	0.0	5915.2
	% Fixture	84.8	0.0	84.8
Total	Lumens	6974.0	0.0	6974.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.9	0.1
10°-20°	101.1	1.4
20°-30°	384.8	5.5
30°-40°	898.5	12.9
40°-50°	1402.7	20.1
50°-60°	1610.2	23.1
60°-70°	1496.2	21.5
70°-80°	924.5	13.3
80°-90°	148.9	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°	6974.0	100.0
0°-180°	6974.0	100.0



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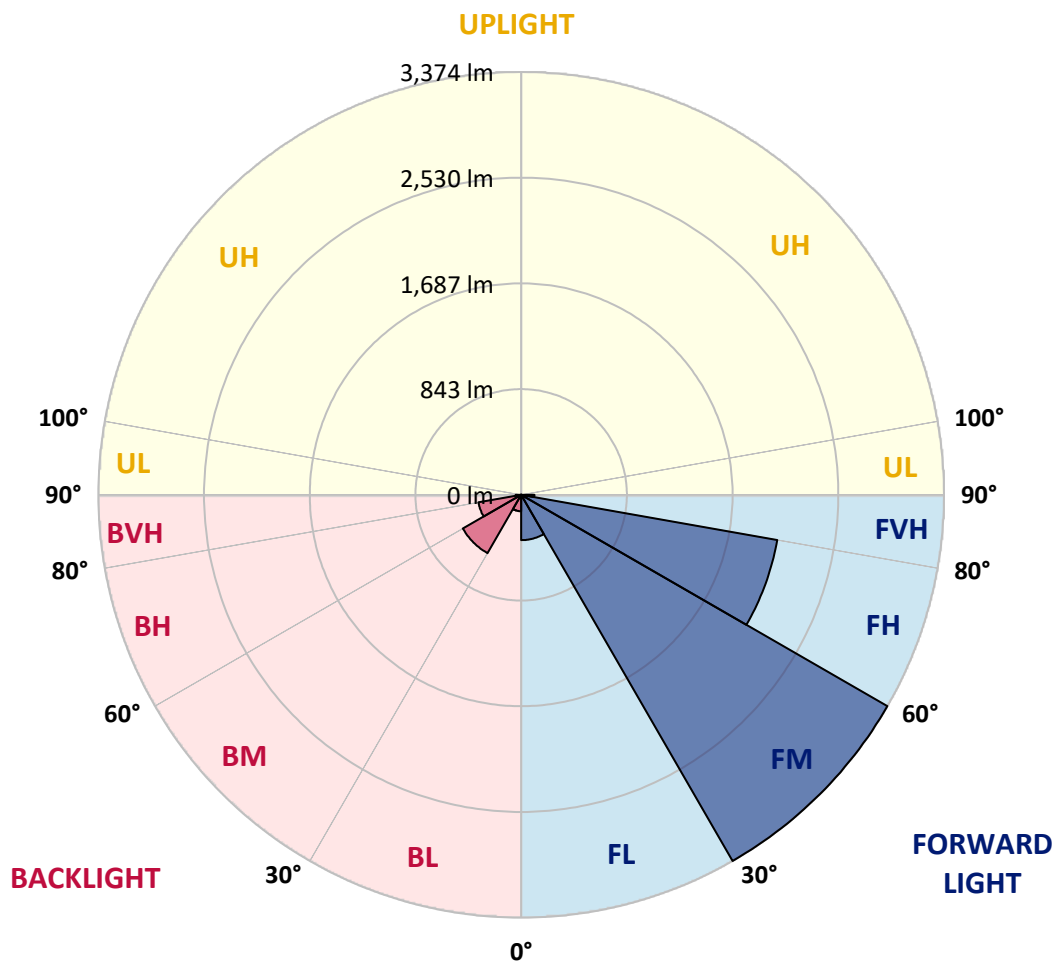
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	361.6	5.2			
FM (30°-60°)	3373.6	48.4			
FH (60°-80°)	2074.7	29.7			G2/5000
FVH (80°-90°)	105.3	1.5			G2/225
BL (0°-30°)	131.2	1.9	B1/500		
BM (30°-60°)	538.0	7.7	B1/1000		
BH (60°-80°)	346.1	5.0	B1/500		G1/500
BVH (80°-90°)	43.5	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°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	5.4	5.4	6.1	6.9	8.4	7.7	5.4	3.8	3.1	3.1	3.1
5°	247.1	227.2	127.0	65.8	23.0	13.8	6.9	5.4	3.8	3.8	3.1
7.5°	279.3	277.7	275.4	273.2	269.3	254.8	26.8	7.7	4.6	4.6	3.1
10°	301.5	299.2	297.6	296.1	290.7	283.1	270.1	23.7	8.4	7.7	6.9
12.5°	585.3	583.8	581.5	371.9	315.2	306.8	295.3	211.2	24.5	36.7	110.9
15°	583.8	581.5	588.4	600.6	610.6	335.9	339.0	593.0	367.3	352.7	375.7
17.5°	609.0	606.0	598.3	606.7	625.1	702.4	664.1	641.9	432.3	412.4	400.9
20°	892.9	892.9	902.1	894.4	648.8	897.5	850.1	689.4	781.2	734.5	683.3
22.5°	944.9	941.1	942.6	957.9	1126.3	930.4	938.0	1063.5	1085.7	991.6	850.1
25°	1343.6	1342.8	1290.0	1012.3	1187.5	1121.7	1296.1	1137.7	1177.5	1066.6	1042.9
27.5°	1511.9	1513.4	1470.6	1432.3	1254.8	1454.5	1375.7	1498.1	1672.6	1554.0	1335.9
30°	2034.5	2014.6	1677.9	1640.4	1535.6	1533.3	1665.7	1769.0	1720.0	1664.2	1492.0
32.5°	2417.8	2397.9	2323.7	2064.3	1825.6	1707.8	1913.6	1850.8	2244.1	2335.9	2023.0
35°	3010.8	3003.9	2609.9	2342.1	2143.9	2065.1	2010.8	2254.8	2429.3	2443.1	2154.6
37.5°	3466.0	3443.8	3212.8	2740.7	2413.2	2231.1	2360.4	2364.2	2632.0	2567.0	2360.4
40°	3674.1	3660.4	3482.9	3039.9	2661.1	2455.3	2507.3	2529.5	2853.9	2741.5	2510.4
42.5°	3832.5	3815.7	3703.2	3219.7	2879.2	2682.5	2658.8	2678.7	3068.9	2932.0	2671.1
45°	3914.4	3904.5	3851.7	3347.4	3031.4	2827.1	2821.0	2810.3	3215.1	3166.9	2845.5
47.5°	3868.5	3857.8	3881.5	3521.1	3126.3	2945.7	2971.8	2952.6	3382.6	3461.4	3035.3
50°	3613.7	3623.6	3718.5	3528.0	3186.8	3042.2	3130.9	3083.5	3610.6	3772.1	3265.6
52.5°	2876.1	2916.7	3318.4	3375.0	3192.9	3087.3	3274.0	3283.2	3893.7	4104.1	3568.6
55°	2146.2	2203.6	2559.4	3001.6	3070.5	3088.8	3365.8	3466.0	4176.1	4399.5	3823.3
57.5°	1689.4	1724.6	1951.1	2394.9	2775.1	3034.5	3459.9	3614.5	4438.5	4694.8	4073.5
60°	1350.5	1329.0	1476.7	1813.4	2313.0	2882.2	3501.2	3808.0	4765.2	5075.9	4368.1
62.5°	976.3	977.8	1090.3	1282.4	1831.0	2581.5	3469.1	3995.5	5181.5	5568.6	4760.6
65°	692.4	699.3	775.8	879.1	1323.7	2168.4	3309.9	4123.3	5651.2	6061.3	5079.7
67.5°	527.2	531.8	567.7	615.9	855.4	1649.6	2983.2	4097.3	5909.1	6294.7	5172.3
68°	505.7	498.1	538.7	573.8	787.3	1563.9	2893.7	4045.2	5921.3	6307.7	5150.1
70°	426.2	426.2	444.5	453.0	557.8	1156.1	2455.3	3730.8	5877.7	6227.4	4981.8
72.5°	355.8	353.5	364.2	357.3	394.0	756.7	1783.5	3217.4	5566.3	5860.9	4480.6
75°	296.1	296.1	297.6	292.3	302.2	507.3	1159.2	2520.3	4917.5	4893.8	3646.6
77.5°	252.5	246.4	244.8	237.2	245.6	368.8	710.8	1793.5	3550.2	3422.4	2315.3
80°	200.5	199.7	201.2	196.6	203.5	268.6	433.1	1048.2	1933.5	1701.6	1079.6
82.5°	124.0	136.2	150.0	150.0	171.4	189.8	262.4	560.8	937.3	824.0	458.3
85°	40.6	49.7	88.0	91.1	110.2	88.8	150.7	180.6	312.9	279.3	88.0
87.5°	1.5	2.3	6.9	10.7	9.9	6.1	10.7	8.4	17.6	13.0	13.8
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°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
2.5°	3.1	3.1	3.1	3.8	3.8	2.3	1.5	3.1	3.1	3.1	3.1
5°	3.1	3.1	3.8	3.8	3.8	3.1	3.8	5.4	6.1	6.1	6.1
7.5°	3.1	3.1	3.1	4.6	4.6	5.4	7.7	45.9	105.6	115.5	114.0
10°	6.1	5.4	6.1	6.9	8.4	97.9	128.5	135.4	138.5	140.8	140.0
12.5°	146.9	131.6	24.5	13.8	92.6	137.7	140.0	145.4	150.7	153.0	153.0
15°	344.3	308.3	235.7	177.5	158.4	146.9	149.2	195.9	266.3	273.2	273.9
17.5°	365.7	320.6	246.4	271.6	280.0	218.1	239.5	269.3	272.4	273.2	273.2
20°	689.4	577.7	350.4	286.2	285.4	365.0	255.6	263.2	267.8	304.5	309.1
22.5°	746.0	619.0	420.8	406.3	307.6	365.0	334.4	325.2	355.8	352.7	355.0
25°	938.0	742.9	443.0	407.8	430.8	353.5	392.5	323.6	329.0	327.5	327.5
27.5°	1192.8	937.3	619.0	456.8	418.5	408.6	363.4	311.4	373.4	374.9	374.9
30°	1263.2	964.1	619.0	493.5	435.4	401.7	335.9	368.0	347.4	341.2	338.2
32.5°	1750.6	1307.6	749.1	475.1	429.2	368.8	368.0	342.0	341.2	355.0	355.0
35°	1839.4	1327.5	684.0	543.2	404.8	380.3	349.7	345.8	330.5	325.2	324.4
37.5°	1927.4	1339.7	634.3	498.9	415.5	362.7	344.3	317.5	334.4	334.4	332.8
40°	2021.5	1352.7	589.1	458.3	381.8	362.7	319.1	316.8	293.8	295.3	293.8
42.5°	2122.5	1358.1	540.9	424.6	350.4	340.5	308.3	284.6	283.9	289.2	287.7
45°	2238.0	1365.0	496.6	381.8	319.1	299.9	275.4	277.0	291.5	303.8	303.8
47.5°	2361.2	1371.1	459.8	343.5	296.9	272.4	254.0	260.1	286.2	298.4	302.2
50°	2528.0	1378.8	417.8	312.2	281.6	251.7	248.7	254.0	282.3	291.5	287.7
52.5°	2705.5	1365.0	376.4	292.3	265.5	228.8	234.1	247.9	278.5	283.1	280.0
55°	2850.9	1330.6	344.3	279.3	254.0	218.8	226.5	243.3	272.4	274.7	275.4
57.5°	3020.0	1285.4	319.1	269.3	247.1	214.2	223.4	242.5	260.1	270.9	270.9
60°	3186.0	1232.6	303.8	264.0	241.8	214.2	223.4	241.8	257.8	269.3	268.6
62.5°	3380.3	1172.9	294.6	267.0	234.9	216.5	224.9	244.1	257.1	270.1	268.6
65°	3448.4	1058.9	287.7	271.6	234.1	219.6	225.7	247.1	256.3	271.6	270.1
67.5°	3313.8	908.2	276.2	271.6	241.0	223.4	224.9	245.6	254.0	272.4	265.5
68°	3268.6	886.0	272.4	270.9	241.8	224.2	224.9	244.8	252.5	271.6	264.0
70°	3017.7	745.2	253.3	263.2	244.8	227.2	221.1	239.5	244.8	270.1	260.9
72.5°	2611.4	580.7	221.1	244.8	241.8	231.8	214.2	228.8	231.8	252.5	237.2
75°	2088.0	441.5	182.9	212.7	227.2	231.8	204.3	214.2	213.5	223.4	209.6
77.5°	1313.0	315.2	147.7	180.6	206.6	225.7	195.1	195.1	185.9	187.5	181.3
80°	636.6	215.8	119.4	149.2	172.9	213.5	179.0	164.5	153.0	150.0	142.3
82.5°	312.9	139.3	82.6	112.5	137.0	176.7	160.7	135.4	115.5	114.0	101.8
85°	72.7	57.4	45.1	59.7	86.5	115.5	115.5	84.9	71.9	93.3	68.9
87.5°	6.9	8.4	9.2	8.4	10.7	9.9	24.5	24.5	22.2	14.5	9.9
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)