

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: P416049

Luminaire Tested: **LXF.LXT-PA1-60-760-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416049
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-2)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-760-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7578 lumens
Efficiency: N/A
Efficacy: 118.4 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): 64
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

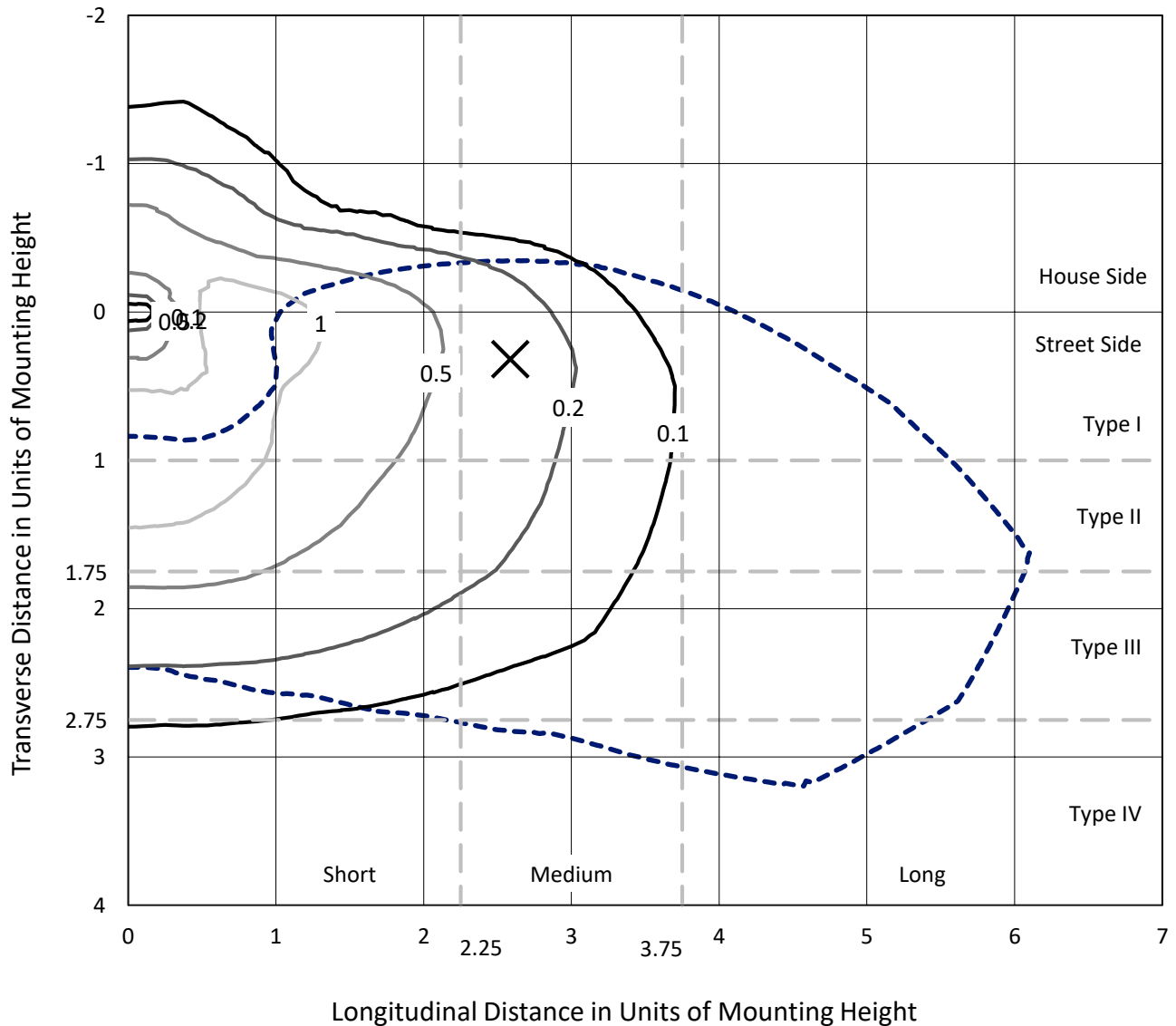


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

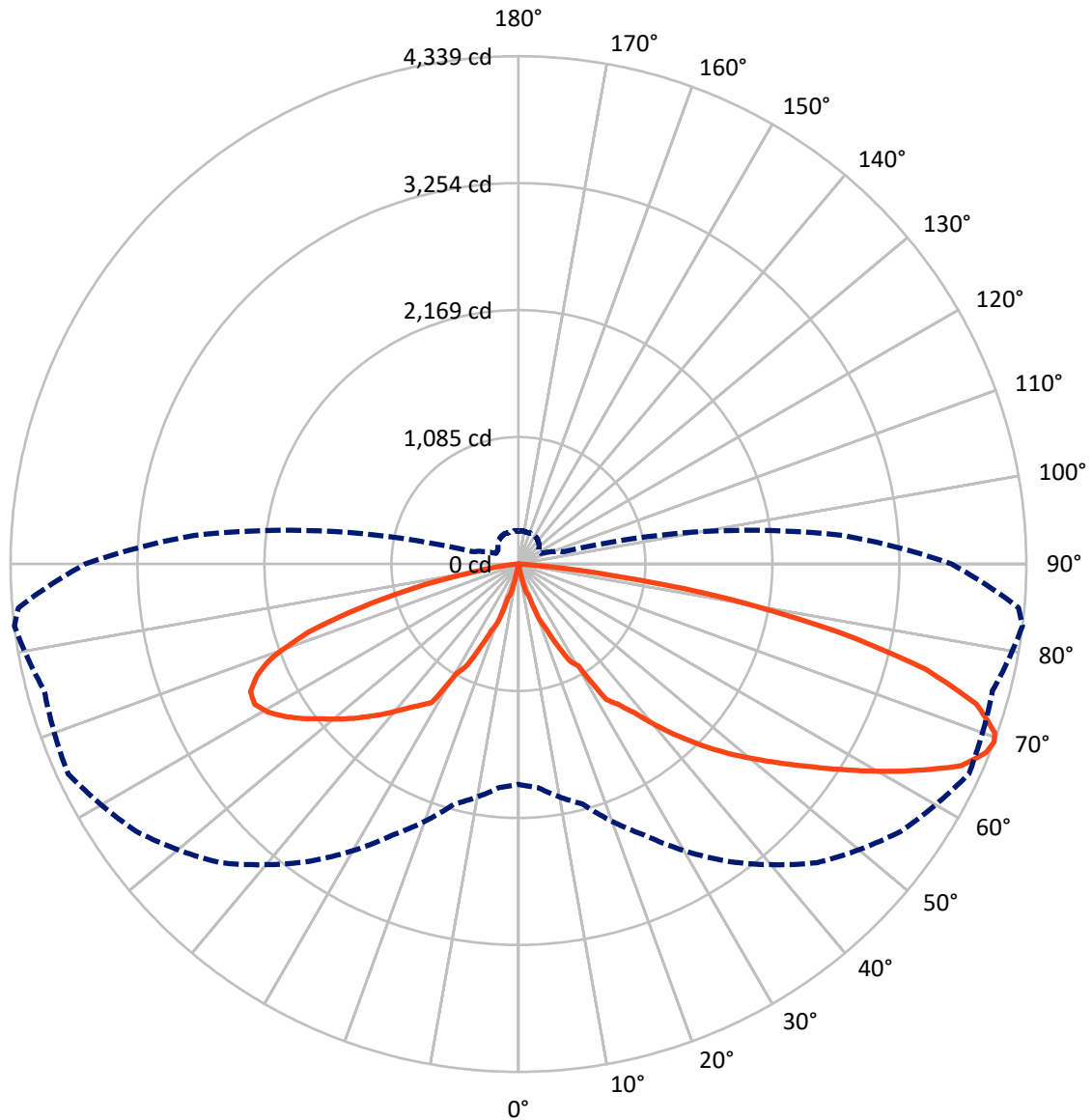


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 83-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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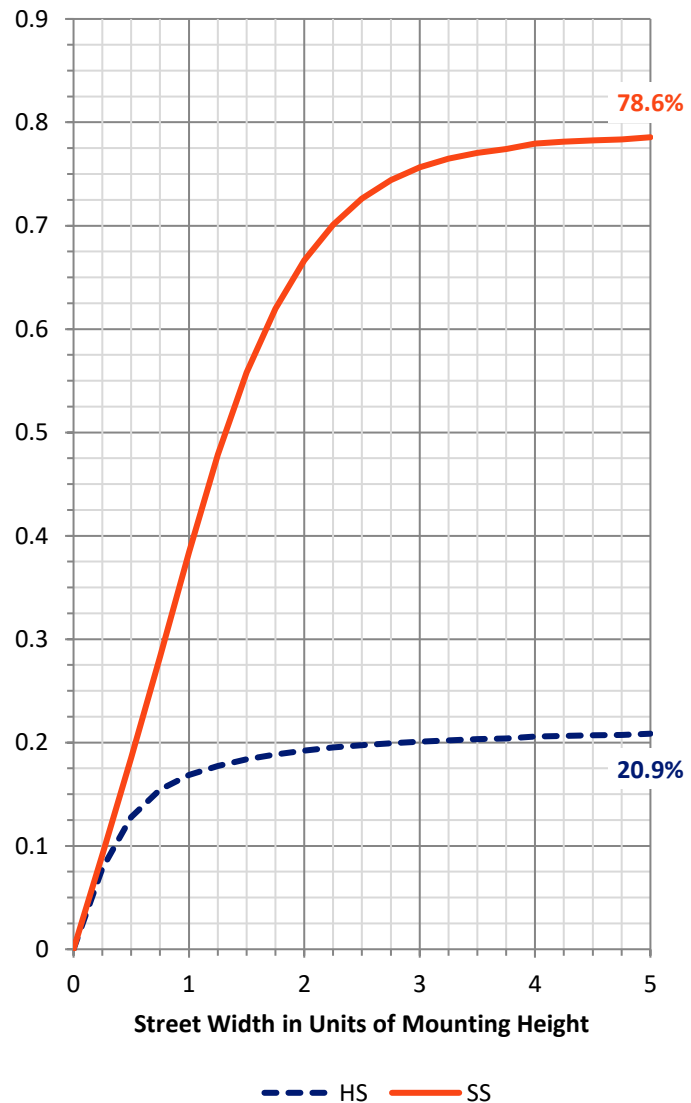
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1607.3	0.0	1607.3
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	5970.7	0.0	5970.7
	% Fixture	78.8	0.0	78.8
Total	Lumens	7578.0	0.0	7578.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.9	0.1
10°-20°	77.0	1.0
20°-30°	303.9	4.0
30°-40°	676.2	8.9
40°-50°	1148.3	15.2
50°-60°	1711.3	22.6
60°-70°	2015.3	26.6
70°-80°	1410.7	18.6
80°-90°	230.3	3.0
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°	7578.0	100.0
0°-180°	7578.0	100.0



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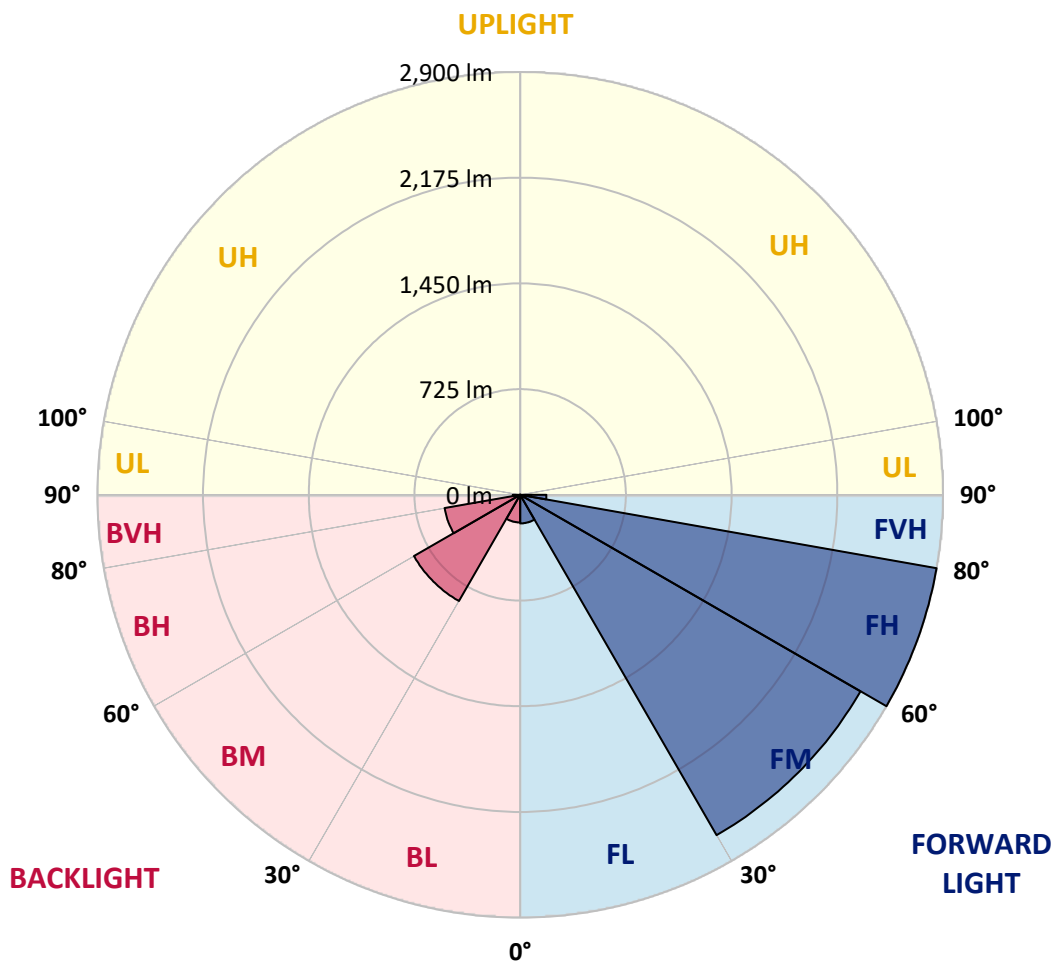
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	196.2	2.6			
FM (30°-60°)	2694.8	35.6			
FH (60°-80°)	2899.6	38.3			G2/5000
FVH (80°-90°)	180.0	2.4			G2/225
BL (0°-30°)	189.6	2.5	B1/500		
BM (30°-60°)	841.0	11.1	B1/1000		
BH (60°-80°)	526.5	6.9	B2/1000		G2/1000
BVH (80°-90°)	50.3	0.7			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°	55°	65°	75°	83°	85°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	4.1	3.3	4.1	4.9	4.9	4.1	3.3	3.3	3.3	3.3	2.4
5°	66.1	48.1	43.2	38.3	22.8	8.2	4.9	3.3	3.3	3.3	3.3
7.5°	139.5	139.5	139.5	140.3	139.5	103.6	24.5	5.7	3.3	3.3	3.3
10°	141.1	140.3	139.5	140.3	142.0	142.8	137.9	19.6	8.2	7.3	7.3
12.5°	255.3	253.7	244.7	171.3	145.2	146.0	149.3	107.7	39.2	103.6	120.7
15°	270.8	269.2	269.2	270.0	256.2	159.1	224.3	293.7	208.8	249.6	253.7
17.5°	303.5	294.5	287.2	282.3	283.9	316.5	318.2	324.7	243.1	279.8	284.7
20°	465.0	461.7	435.6	333.7	311.6	411.2	366.3	360.6	455.2	494.4	502.5
22.5°	531.1	527.8	509.1	491.1	512.3	447.9	521.3	537.6	616.8	593.1	600.4
25°	721.2	718.7	614.3	568.6	624.9	514.8	643.7	615.9	681.2	759.5	767.7
27.5°	882.7	877.0	855.8	766.9	697.5	771.8	712.2	823.2	925.1	938.2	962.7
30°	1048.3	1010.8	945.5	948.8	859.0	850.9	848.4	987.9	991.2	1011.6	1053.2
32.5°	1319.2	1302.0	1247.4	1078.5	1058.9	945.5	1044.2	1053.2	1294.7	1379.5	1387.7
35°	1536.2	1462.7	1411.4	1315.9	1167.4	1204.1	1163.3	1324.9	1420.3	1475.0	1508.4
37.5°	1882.1	1891.9	1807.8	1460.3	1367.3	1324.9	1395.9	1483.1	1602.3	1615.3	1665.9
40°	2130.9	2124.4	2011.0	1754.8	1546.8	1503.5	1550.9	1636.5	1798.0	1814.4	1826.6
42.5°	2493.1	2461.3	2303.0	2015.1	1822.5	1731.2	1744.2	1780.1	1941.6	2014.2	1999.6
45°	2828.4	2807.2	2647.3	2292.4	2083.6	1976.7	1957.1	1925.3	2119.5	2216.6	2189.6
47.5°	3091.1	3053.6	2962.2	2600.8	2440.1	2258.2	2160.3	2102.3	2295.7	2419.7	2382.2
50°	3372.6	3315.5	3233.1	2906.7	2748.5	2586.1	2370.7	2298.1	2493.9	2617.1	2586.9
52.5°	3559.4	3470.5	3419.1	3179.2	3033.2	2891.2	2575.5	2526.6	2711.8	2830.0	2823.5
55°	3465.6	3462.3	3514.5	3362.8	3220.8	3070.7	2788.4	2786.0	2939.4	3060.9	3066.6
57.5°	3302.4	3319.5	3468.0	3490.9	3430.5	3254.3	3051.9	3076.4	3207.0	3319.5	3331.8
60°	3094.4	3141.7	3355.4	3476.2	3524.3	3437.0	3305.7	3343.2	3499.0	3596.1	3592.8
62.5°	2819.4	2857.8	3123.7	3397.0	3494.9	3577.3	3539.8	3660.5	3783.7	3875.1	3898.8
65°	2494.8	2510.3	2798.2	3167.0	3419.9	3649.1	3735.6	3955.1	4014.6	4154.9	4159.8
67.5°	2135.0	2139.9	2390.3	2830.0	3256.7	3643.4	3902.0	4172.9	4157.4	4306.7	4295.2
69°	1882.1	1917.2	2122.7	2555.9	3098.5	3608.3	3984.4	4244.7	4192.5	4338.5	4288.7
70°	1704.2	1701.8	1936.7	2323.4	2958.9	3563.5	4036.6	4263.4	4193.3	4316.5	4241.4
72.5°	1085.8	1102.2	1305.3	1648.8	2384.6	3304.0	4101.1	4213.7	4103.5	4091.3	3930.6
75°	479.7	435.6	562.9	872.9	1499.5	2569.8	3946.1	3989.3	3848.2	3596.1	3320.4
77.5°	168.1	174.6	212.1	354.9	722.0	1531.3	3270.6	3509.6	3398.7	2792.5	2485.0
80°	119.9	120.7	142.0	198.2	350.0	540.1	2082.0	2538.8	2615.5	1841.3	1582.7
82.5°	84.8	84.8	105.2	126.5	242.3	241.5	895.8	1396.7	1492.1	816.6	611.0
85°	71.0	72.6	80.8	73.4	142.0	123.2	221.1	430.7	353.2	99.5	87.3
87.5°	10.6	9.8	27.7	24.5	21.2	17.9	24.5	27.7	18.8	14.7	10.6
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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	3.3	3.3	3.3	3.3	2.4	1.6	1.6	1.6	2.4	2.4	2.4
5°	3.3	3.3	3.3	3.3	3.3	3.3	4.1	5.7	6.5	7.3	7.3
7.5°	3.3	3.3	3.3	4.1	4.9	7.3	40.0	138.7	151.7	158.3	162.3
10°	6.5	7.3	7.3	7.3	17.9	153.4	182.7	189.3	195.8	199.1	198.2
12.5°	126.5	130.5	32.6	23.7	142.8	191.7	197.4	204.0	210.5	215.4	214.6
15°	260.2	266.8	256.2	265.1	281.5	208.0	212.9	360.6	390.8	396.5	397.3
17.5°	290.4	295.3	300.2	390.8	400.6	308.4	368.7	395.7	398.9	400.6	401.4
20°	553.1	550.7	445.4	428.3	424.2	535.2	391.6	398.9	477.2	543.3	546.6
22.5°	610.2	617.6	588.2	629.0	557.2	541.7	493.6	528.6	558.0	557.2	554.8
25°	791.3	801.1	674.7	654.3	668.1	538.4	615.9	527.8	536.0	536.8	541.7
27.5°	989.6	992.0	936.6	736.7	657.5	666.5	580.0	562.1	628.2	632.3	632.3
30°	1077.7	1093.2	989.6	853.3	681.2	629.8	562.1	612.7	583.3	588.2	588.2
32.5°	1431.7	1419.5	1292.2	845.2	705.7	579.2	587.4	567.8	629.0	645.3	646.9
35°	1524.8	1499.5	1299.6	944.7	658.4	591.5	536.8	576.8	576.8	576.0	571.9
37.5°	1639.8	1595.7	1284.1	874.5	662.4	540.1	518.0	518.9	566.2	576.8	569.4
40°	1776.0	1709.9	1281.6	816.6	600.4	511.5	475.6	499.3	498.5	484.6	476.4
42.5°	1923.7	1836.4	1275.9	748.1	539.3	479.7	448.7	441.4	445.4	420.1	417.7
45°	2096.6	1966.9	1259.6	687.7	490.3	445.4	410.4	398.9	400.6	381.0	376.1
47.5°	2280.2	2101.5	1255.5	640.4	449.5	411.2	382.6	367.9	373.6	351.6	346.7
50°	2485.0	2240.2	1241.7	596.4	404.6	379.4	358.1	341.0	341.8	324.7	320.6
52.5°	2707.7	2374.8	1226.2	536.0	363.9	352.4	340.2	327.1	341.8	319.0	314.1
55°	2936.1	2538.8	1205.8	465.8	327.1	332.0	319.8	329.6	350.8	314.9	308.4
57.5°	3189.8	2693.0	1167.4	389.1	297.8	309.2	317.4	330.4	347.5	314.1	301.9
60°	3430.5	2841.5	1076.1	328.8	272.5	290.4	312.5	325.5	323.9	308.4	300.2
62.5°	3675.2	2963.8	907.2	282.3	251.3	281.5	305.1	310.8	303.5	297.8	292.9
65°	3809.8	2994.0	703.2	251.3	234.1	269.2	296.1	301.0	290.4	290.4	286.3
67.5°	3787.8	2896.9	518.9	226.0	219.5	257.0	280.6	292.1	284.7	290.4	283.9
69°	3699.7	2786.0	407.9	212.9	212.1	247.2	271.7	284.7	279.0	287.2	279.0
70°	3596.1	2674.2	360.6	205.6	204.8	239.8	266.0	279.0	272.5	279.0	271.7
72.5°	3198.8	2294.9	258.6	185.2	187.6	225.2	252.1	261.9	256.2	257.8	248.0
75°	2557.6	1705.9	204.8	168.1	170.5	208.0	236.6	242.3	238.2	230.9	225.2
77.5°	1798.0	1099.7	168.1	152.6	153.4	187.6	220.3	219.5	212.9	205.6	198.2
80°	980.6	517.2	142.8	133.8	136.2	167.2	196.6	194.2	186.0	178.7	169.7
82.5°	424.2	208.8	111.0	106.9	114.2	140.3	168.9	162.3	155.0	158.3	123.2
85°	75.9	71.8	64.4	68.5	77.5	99.5	119.1	113.4	109.3	93.0	85.7
87.5°	6.5	9.8	9.8	12.2	17.1	18.8	33.4	24.5	25.3	9.8	4.9
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)