

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: P415581

Luminaire Tested: **LXF.LXT-PA1-50-750-U-T3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415581
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-PA1-50-750-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6559 lumens
Efficiency: N/A
Efficacy: 121.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 54
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

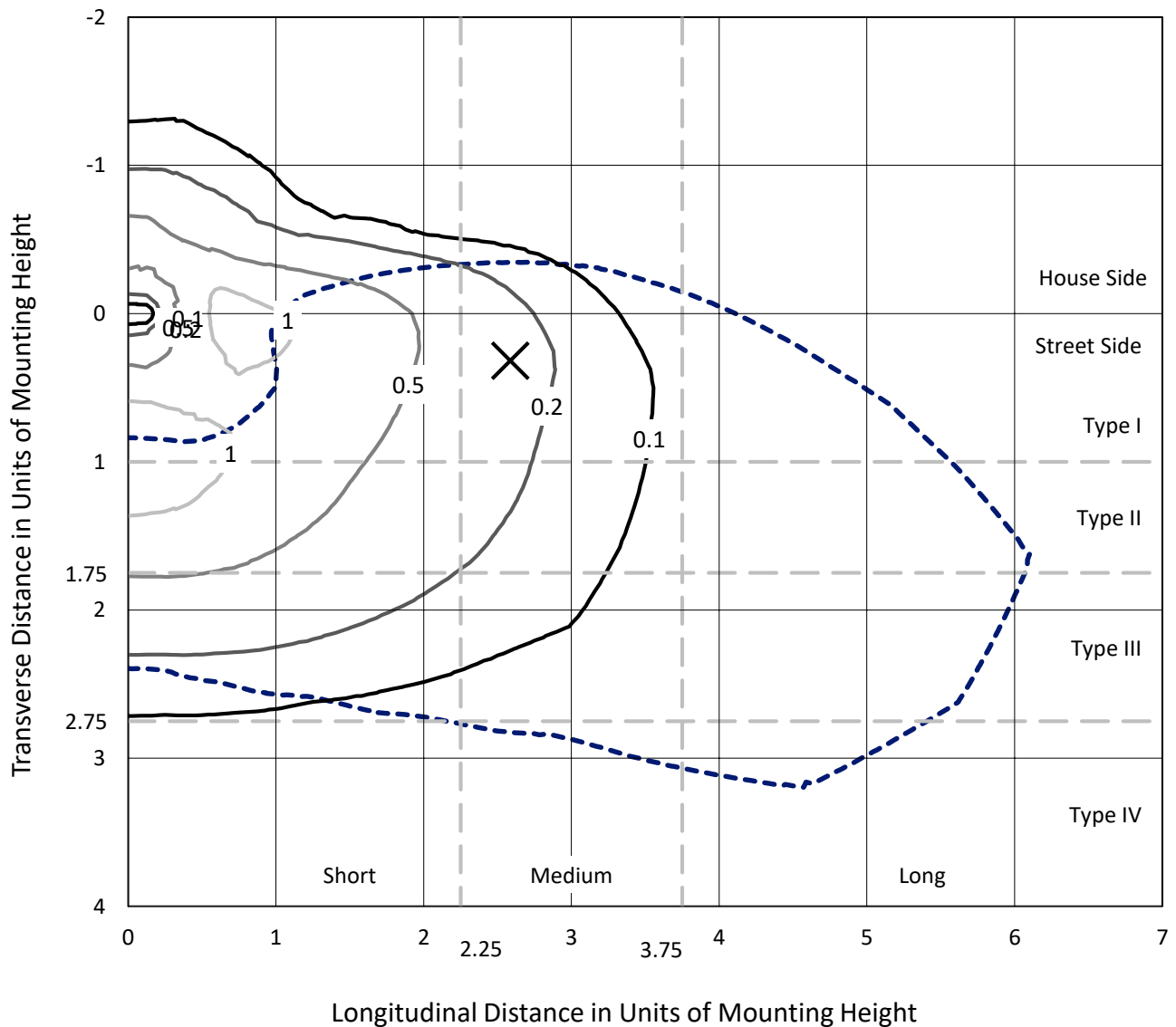


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

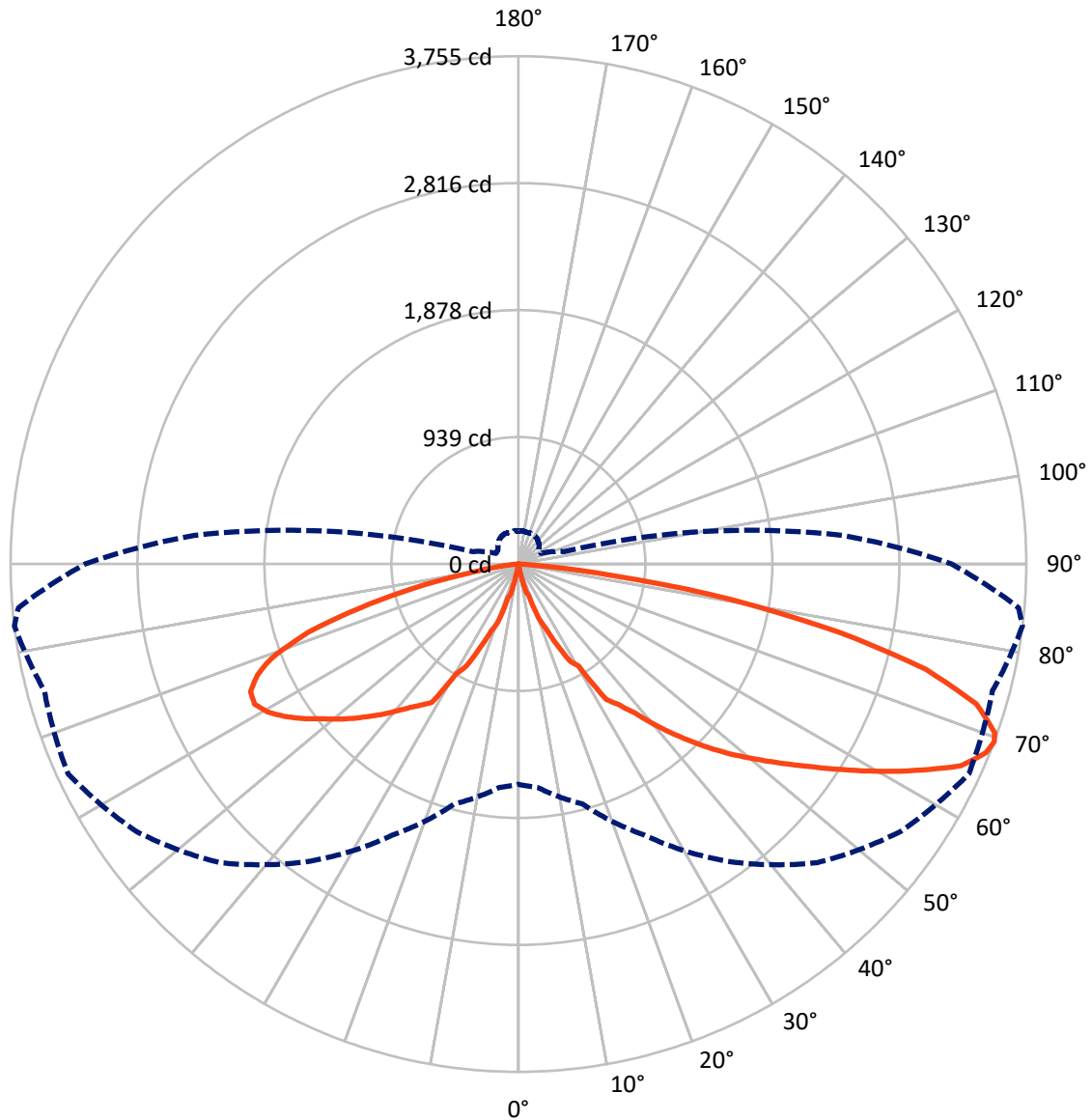


Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type IV - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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

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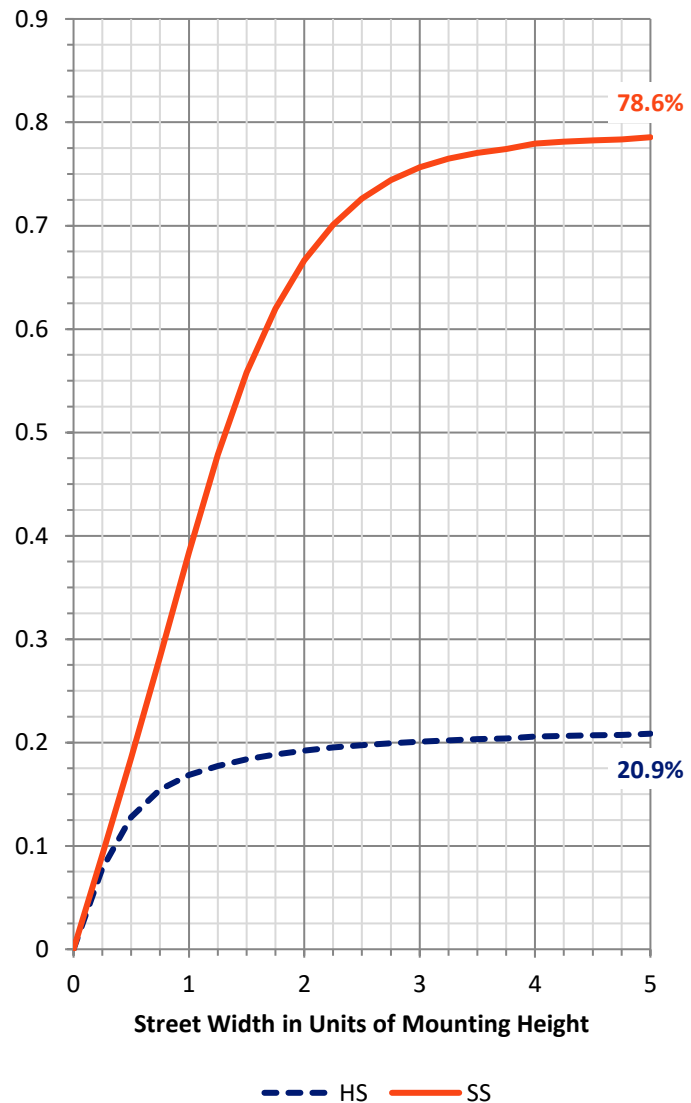
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1391.2	0.0	1391.2
	% Fixture	21.2	0.0	21.2
Street Side	Lumens	5167.8	0.0	5167.8
	% Fixture	78.8	0.0	78.8
Total	Lumens	6559.0	0.0	6559.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.2	0.1
10°-20°	66.7	1.0
20°-30°	263.0	4.0
30°-40°	585.3	8.9
40°-50°	993.9	15.2
50°-60°	1481.2	22.6
60°-70°	1744.3	26.6
70°-80°	1221.0	18.6
80°-90°	199.3	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°	6559.0	100.0
0°-180°	6559.0	100.0

Coefficient of Utilization



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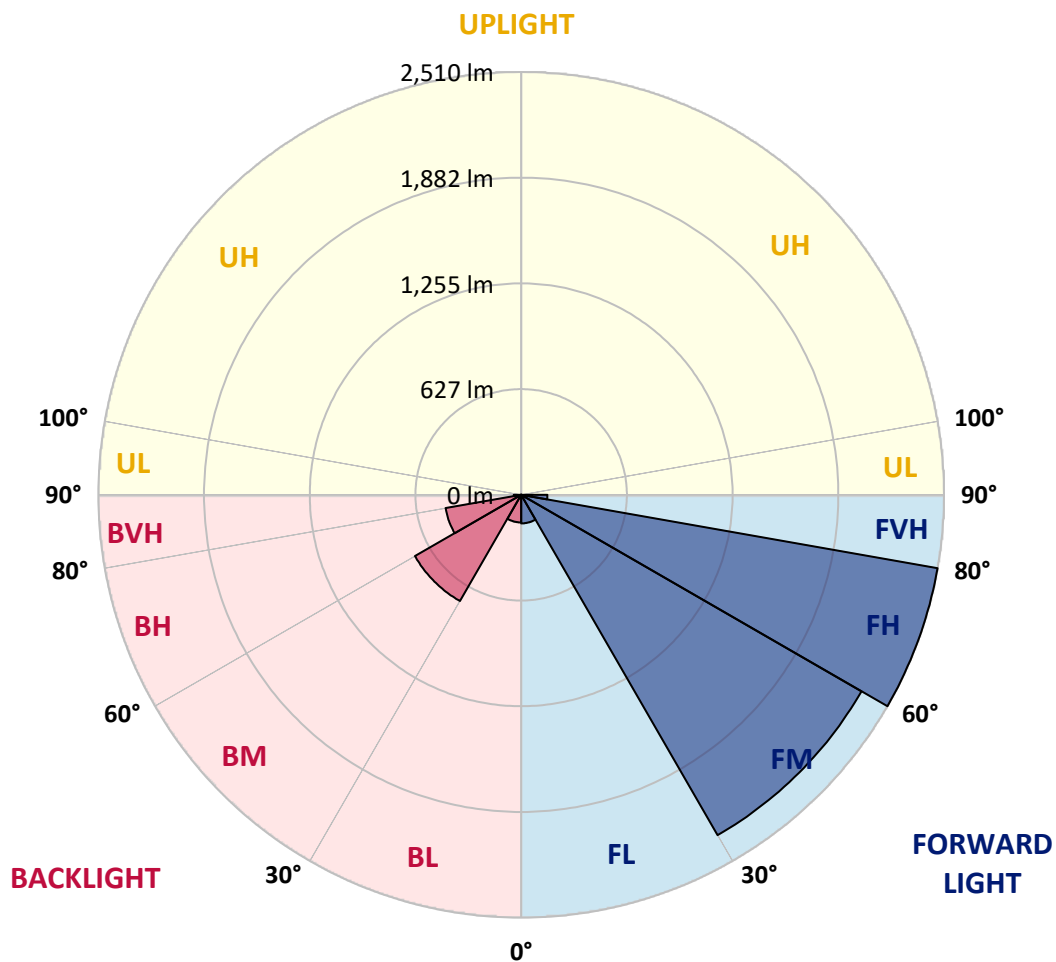
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	169.9	2.6			
FM (30°-60°)	2332.5	35.6			
FH (60°-80°)	2509.7	38.3			G2/5000
FVH (80°-90°)	155.8	2.4			G2/225
BL (0°-30°)	164.1	2.5	B1/500		
BM (30°-60°)	728.0	11.1	B1/1000		
BH (60°-80°)	455.7	6.9	B1/500		G1/500
BVH (80°-90°)	43.5	0.7			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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	83°	85°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	3.5	2.8	3.5	4.2	4.2	3.5	2.8	2.8	2.8	2.8	2.1
5°	57.2	41.7	37.4	33.2	19.8	7.1	4.2	2.8	2.8	2.8	2.8
7.5°	120.7	120.7	120.7	121.5	120.7	89.7	21.2	4.9	2.8	2.8	2.8
10°	122.2	121.5	120.7	121.5	122.9	123.6	119.3	16.9	7.1	6.4	6.4
12.5°	221.0	219.6	211.8	148.3	125.7	126.4	129.2	93.2	33.9	89.7	104.5
15°	234.4	233.0	233.0	233.7	221.7	137.7	194.2	254.2	180.8	216.1	219.6
17.5°	262.7	254.9	248.6	244.3	245.7	274.0	275.4	281.0	210.4	242.2	246.4
20°	402.5	399.7	377.1	288.8	269.7	355.9	317.0	312.1	394.0	427.9	435.0
22.5°	459.7	456.9	440.6	425.1	443.4	387.7	451.2	465.3	533.8	513.3	519.7
25°	624.2	622.1	531.7	492.2	540.9	445.6	557.1	533.1	589.6	657.4	664.5
27.5°	764.0	759.1	740.7	663.7	603.7	668.0	616.4	712.5	800.7	812.0	833.2
30°	907.4	874.9	818.4	821.2	743.5	736.5	734.4	855.1	857.9	875.6	911.6
32.5°	1141.8	1127.0	1079.6	933.5	916.5	818.4	903.8	911.6	1120.6	1194.0	1201.1
35°	1329.6	1266.1	1221.6	1139.0	1010.4	1042.2	1006.9	1146.7	1229.3	1276.6	1305.6
37.5°	1629.0	1637.5	1564.7	1263.9	1183.4	1146.7	1208.2	1283.7	1386.8	1398.1	1441.9
40°	1844.4	1838.7	1740.6	1518.8	1338.8	1301.4	1342.3	1416.5	1556.3	1570.4	1581.0
42.5°	2157.9	2130.3	1993.4	1744.1	1577.5	1498.4	1509.7	1540.7	1680.5	1743.4	1730.7
45°	2448.1	2429.7	2291.3	1984.2	1803.4	1710.9	1694.0	1666.4	1834.5	1918.5	1895.2
47.5°	2675.5	2643.0	2563.9	2251.1	2112.0	1954.5	1869.8	1819.6	1987.0	2094.3	2061.8
50°	2919.1	2869.6	2798.3	2515.9	2378.9	2238.4	2052.0	1989.1	2158.6	2265.2	2239.1
52.5°	3080.8	3003.8	2959.3	2751.7	2625.3	2502.5	2229.2	2186.8	2347.1	2449.5	2443.8
55°	2999.6	2996.7	3041.9	2910.6	2787.7	2657.8	2413.5	2411.4	2544.1	2649.3	2654.3
57.5°	2858.3	2873.2	3001.7	3021.4	2969.2	2816.7	2641.6	2662.7	2775.7	2873.2	2883.8
60°	2678.3	2719.2	2904.2	3008.7	3050.4	2974.8	2861.2	2893.6	3028.5	3112.5	3109.7
62.5°	2440.3	2473.5	2703.7	2940.2	3025.0	3096.3	3063.8	3168.3	3274.9	3354.0	3374.5
65°	2159.3	2172.7	2422.0	2741.1	2960.0	3158.4	3233.3	3423.2	3474.8	3596.2	3600.5
67.5°	1847.9	1852.1	2068.9	2449.5	2818.8	3153.5	3377.3	3611.8	3598.3	3727.6	3717.7
69°	1629.0	1659.4	1837.3	2212.2	2681.8	3123.1	3448.6	3673.9	3628.7	3755.1	3712.0
70°	1475.1	1472.9	1676.3	2011.0	2561.1	3084.3	3493.8	3690.1	3629.4	3736.0	3671.1
72.5°	939.8	954.0	1129.8	1427.0	2064.0	2859.7	3549.6	3647.1	3551.7	3541.1	3402.0
75°	415.2	377.1	487.2	755.5	1297.8	2224.2	3415.5	3452.9	3330.7	3112.5	2873.9
77.5°	145.5	151.1	183.6	307.2	624.9	1325.4	2830.8	3037.7	2941.7	2417.0	2150.8
80°	103.8	104.5	122.9	171.6	302.9	467.4	1802.0	2197.4	2263.8	1593.7	1369.9
82.5°	73.4	73.4	91.1	109.4	209.7	209.0	775.3	1208.9	1291.5	706.8	528.9
85°	61.4	62.8	69.9	63.5	122.9	106.6	191.4	372.8	305.7	86.1	75.6
87.5°	9.2	8.5	24.0	21.2	18.4	15.5	21.2	24.0	16.2	12.7	9.2
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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	2.8	2.8	2.8	2.8	2.1	1.4	1.4	1.4	2.1	2.1	2.1
5°	2.8	2.8	2.8	2.8	2.8	2.8	3.5	4.9	5.6	6.4	6.4
7.5°	2.8	2.8	2.8	3.5	4.2	6.4	34.6	120.0	131.3	137.0	140.5
10°	5.6	6.4	6.4	6.4	15.5	132.7	158.2	163.8	169.5	172.3	171.6
12.5°	109.4	113.0	28.2	20.5	123.6	165.9	170.9	176.5	182.2	186.4	185.7
15°	225.2	230.9	221.7	229.5	243.6	180.1	184.3	312.1	338.2	343.2	343.9
17.5°	251.4	255.6	259.8	338.2	346.7	266.9	319.2	342.5	345.3	346.7	347.4
20°	478.7	476.6	385.5	370.7	367.2	463.2	338.9	345.3	413.1	470.3	473.1
22.5°	528.2	534.5	509.1	544.4	482.3	468.9	427.2	457.6	483.0	482.3	480.2
25°	684.9	693.4	584.0	566.3	578.3	466.0	533.1	456.9	463.9	464.6	468.9
27.5°	856.5	858.6	810.6	637.6	569.1	576.9	502.0	486.5	543.7	547.2	547.2
30°	932.8	946.2	856.5	738.6	589.6	545.1	486.5	530.3	504.9	509.1	509.1
32.5°	1239.2	1228.6	1118.5	731.5	610.8	501.3	508.4	491.5	544.4	558.5	559.9
35°	1319.7	1297.8	1124.8	817.7	569.8	511.9	464.6	499.2	499.2	498.5	495.0
37.5°	1419.3	1381.2	1111.4	757.0	573.4	467.4	448.4	449.1	490.0	499.2	492.9
40°	1537.2	1480.0	1109.3	706.8	519.7	442.7	411.7	432.1	431.4	419.4	412.4
42.5°	1665.0	1589.5	1104.4	647.5	466.7	415.2	388.4	382.0	385.5	363.6	361.5
45°	1814.7	1702.4	1090.2	595.3	424.4	385.5	355.2	345.3	346.7	329.8	325.5
47.5°	1973.6	1818.9	1086.7	554.3	389.1	355.9	331.2	318.5	323.4	304.3	300.1
50°	2150.8	1939.0	1074.7	516.2	350.2	328.3	310.0	295.2	295.9	281.0	277.5
52.5°	2343.6	2055.5	1061.3	463.9	314.9	305.0	294.4	283.2	295.9	276.1	271.9
55°	2541.3	2197.4	1043.6	403.2	283.2	287.4	276.8	285.3	303.6	272.6	266.9
57.5°	2760.9	2330.9	1010.4	336.8	257.7	267.6	274.7	286.0	300.8	271.9	261.3
60°	2969.2	2459.4	931.4	284.6	235.8	251.4	270.4	281.7	280.3	266.9	259.8
62.5°	3181.0	2565.3	785.2	244.3	217.5	243.6	264.1	269.0	262.7	257.7	253.5
65°	3297.5	2591.4	608.7	217.5	202.7	233.0	256.3	260.6	251.4	251.4	247.8
67.5°	3278.5	2507.4	449.1	195.6	189.9	222.4	242.9	252.8	246.4	251.4	245.7
69°	3202.2	2411.4	353.1	184.3	183.6	214.0	235.1	246.4	241.5	248.6	241.5
70°	3112.5	2314.6	312.1	177.9	177.2	207.6	230.2	241.5	235.8	241.5	235.1
72.5°	2768.7	1986.3	223.8	160.3	162.4	194.9	218.2	226.7	221.7	223.1	214.7
75°	2213.7	1476.5	177.2	145.5	147.6	180.1	204.8	209.7	206.2	199.8	194.9
77.5°	1556.3	951.8	145.5	132.0	132.7	162.4	190.6	189.9	184.3	177.9	171.6
80°	848.7	447.7	123.6	115.8	117.9	144.8	170.2	168.1	161.0	154.6	146.9
82.5°	367.2	180.8	96.0	92.5	98.9	121.5	146.2	140.5	134.2	137.0	106.6
85°	65.7	62.1	55.8	59.3	67.1	86.1	103.1	98.1	94.6	80.5	74.1
87.5°	5.6	8.5	8.5	10.6	14.8	16.2	29.0	21.2	21.9	8.5	4.2
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)