

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: P415590

Luminaire Tested: **LXF.LXT-PA1-50-750-U-T4W**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415590
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-PA1-50-750-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6511 lumens
Efficiency: N/A
Efficacy: 120.6 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

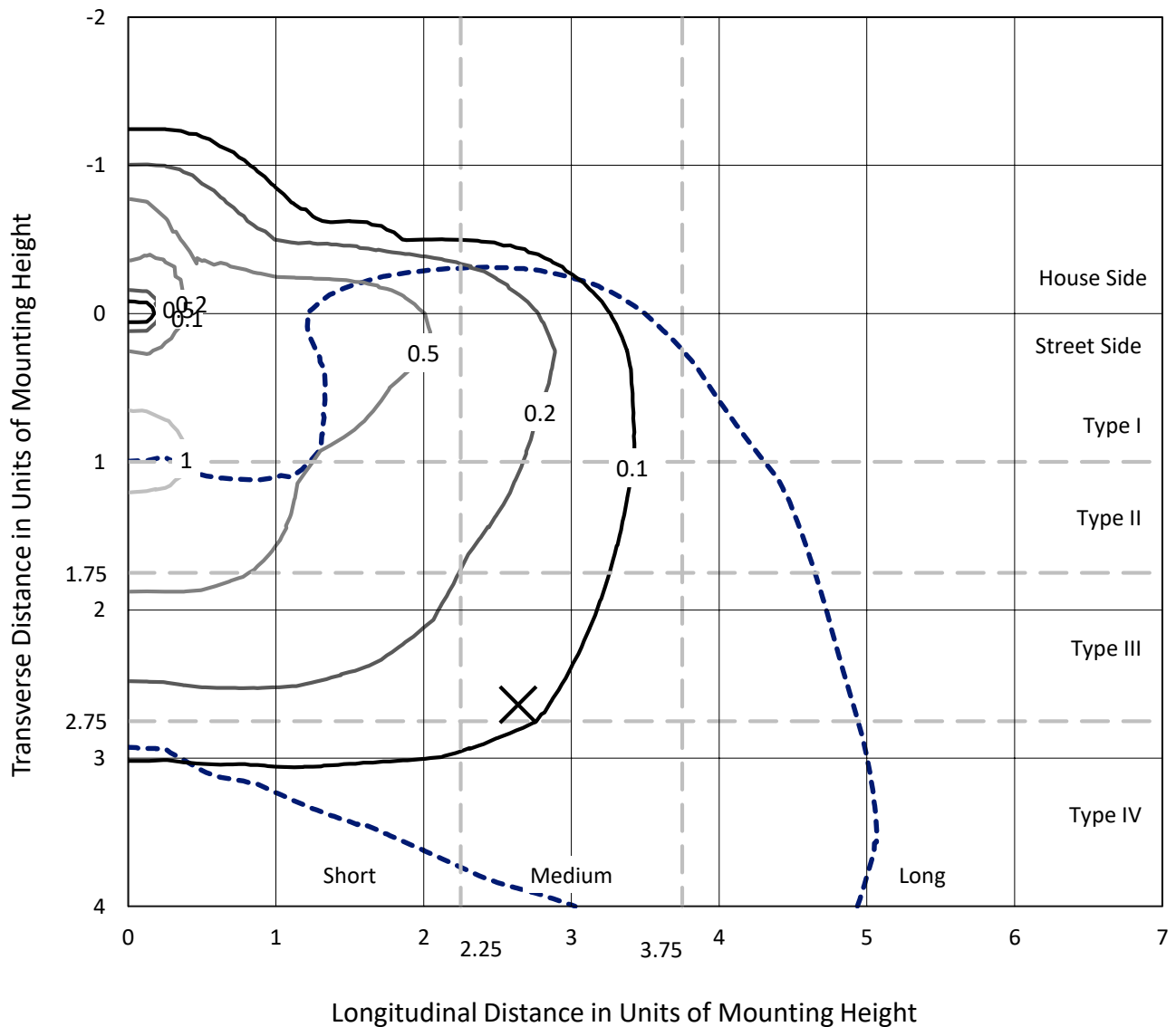
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

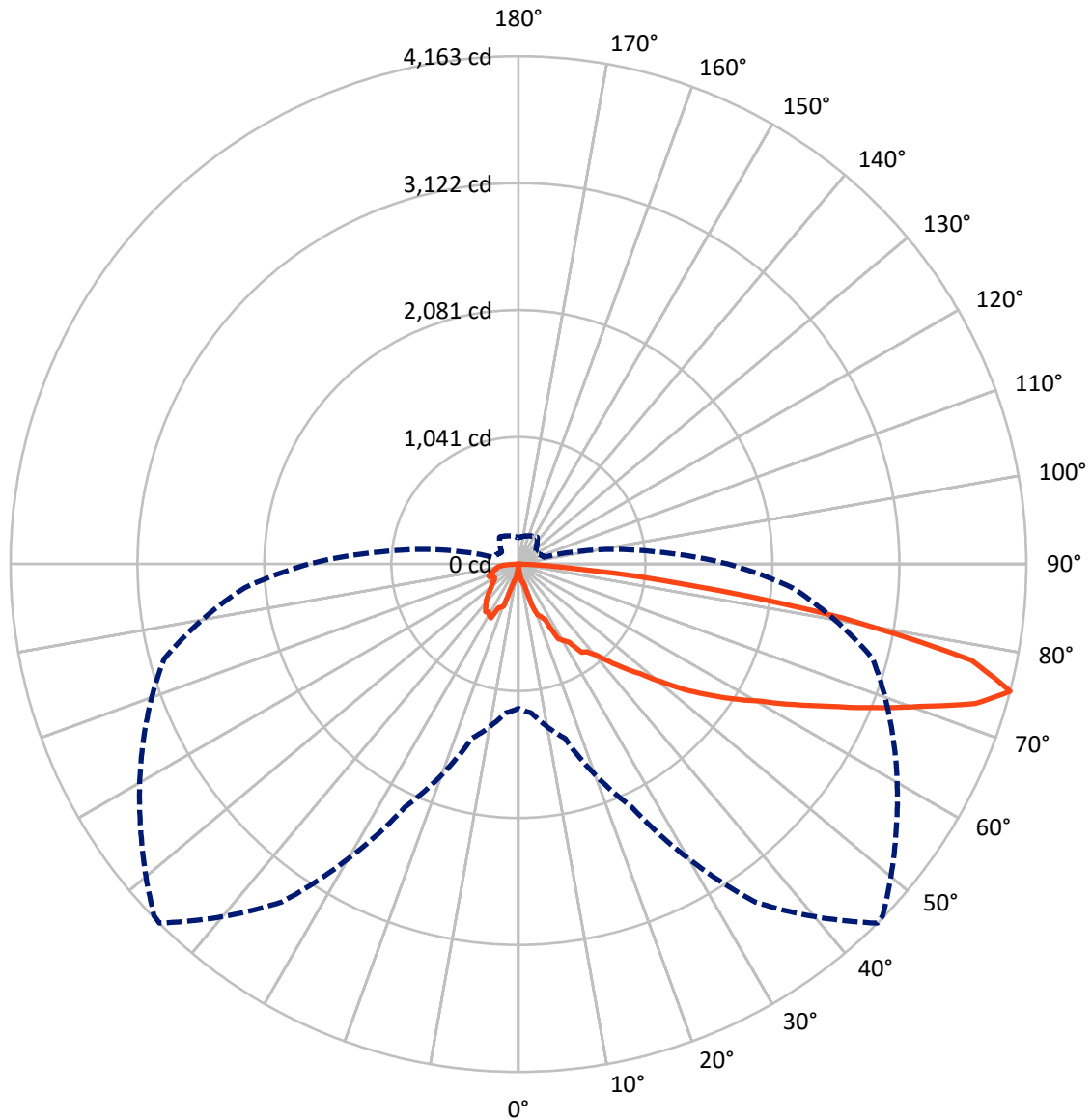
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 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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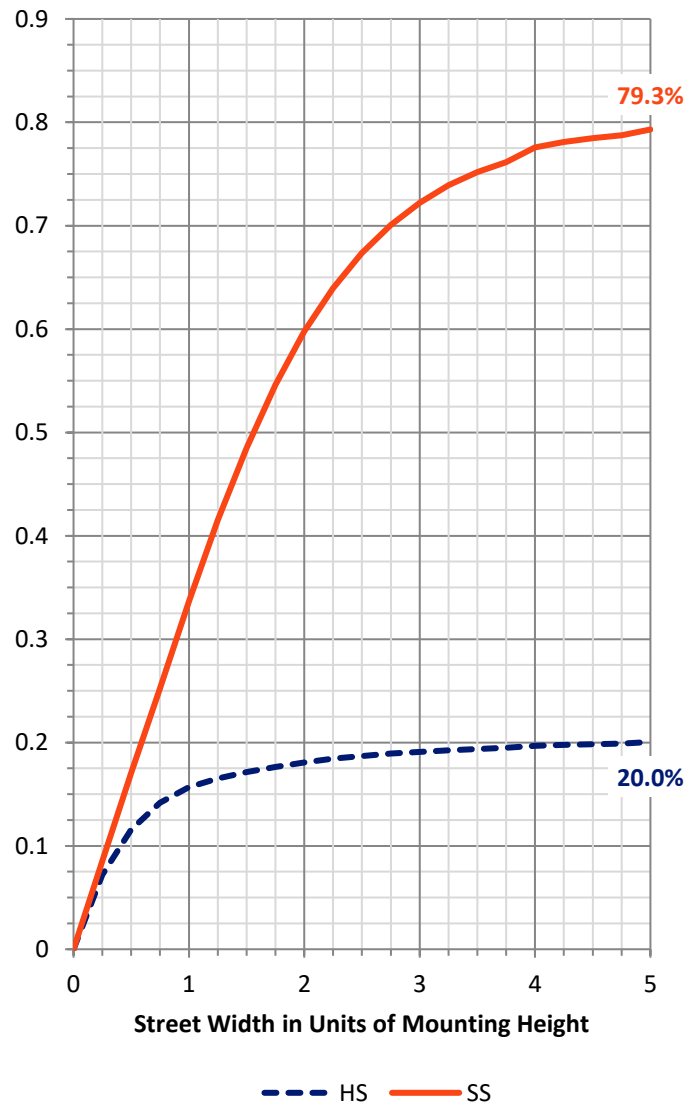
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1335.4	0.0	1335.4
	% Fixture	20.5	0.0	20.5
Street Side	Lumens	5175.6	0.0	5175.6
	% Fixture	79.5	0.0	79.5
Total	Lumens	6511.0	0.0	6511.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.3	0.1
10°-20°	67.2	1.0
20°-30°	250.2	3.8
30°-40°	515.4	7.9
40°-50°	817.3	12.6
50°-60°	1292.0	19.8
60°-70°	1815.2	27.9
70°-80°	1511.1	23.2
80°-90°	238.3	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°	6511.0	100.0
0°-180°	6511.0	100.0



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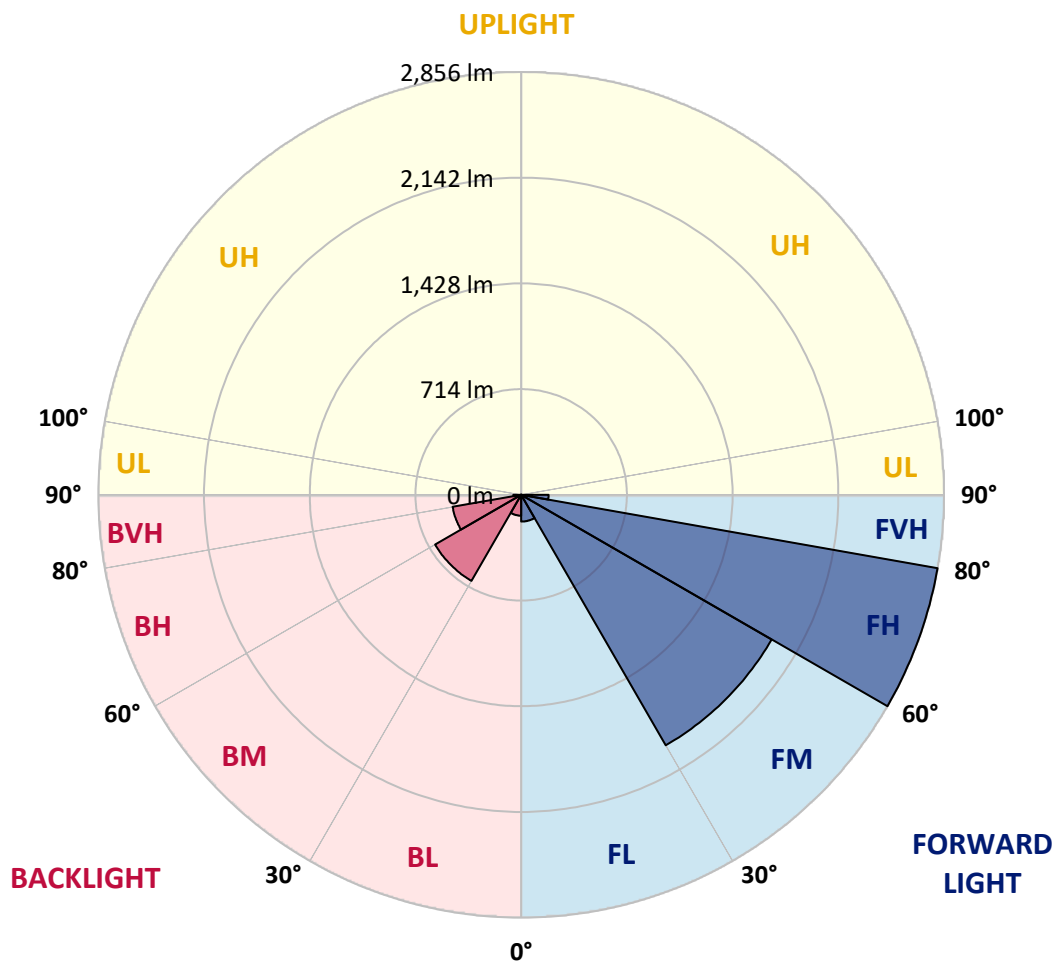
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	180.8	2.8			
FM	(30°-60°)	1953.6	30.0			
FH	(60°-80°)	2856.2	43.9			G2/5000
FVH	(80°-90°)	185.0	2.8			G2/225
BL	(0°-30°)	140.9	2.2	B1/500		
BM	(30°-60°)	671.2	10.3	B1/1000		
BH	(60°-80°)	470.1	7.2	B1/500		G1/500
BVH	(80°-90°)	53.3	0.8			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°	46°	55°	65°	75°	85°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	3.5	3.5	3.5	3.5	3.5	2.8	2.8	2.1	2.8	2.8	2.8
5°	50.1	47.3	37.4	33.2	27.5	11.3	9.2	4.2	3.5	3.5	2.8
7.5°	149.0	147.6	145.5	140.5	134.2	84.0	72.7	26.1	4.9	3.5	2.8
10°	164.5	161.7	158.2	153.2	147.6	140.5	139.8	128.5	23.3	7.8	6.4
12.5°	323.4	317.8	265.5	192.1	158.9	150.4	150.4	145.5	105.2	36.7	86.1
15°	347.4	344.6	334.7	322.0	302.9	174.4	170.9	227.4	280.3	196.3	208.3
17.5°	390.5	384.1	353.8	338.2	324.1	351.7	349.5	325.5	307.2	217.5	233.7
20°	544.4	540.9	528.2	378.5	348.8	444.9	446.3	369.3	334.0	384.8	382.0
22.5°	557.1	556.4	547.3	524.7	552.9	466.8	467.5	490.8	487.9	510.5	463.2
25°	728.7	726.6	589.6	540.9	603.7	502.8	525.4	608.7	543.7	553.6	578.3
27.5°	747.8	746.4	738.6	704.7	624.9	692.7	692.7	629.2	692.7	725.2	729.4
30°	850.2	823.4	769.0	752.7	728.0	727.3	729.4	728.7	801.5	759.1	801.5
32.5°	999.9	994.2	974.5	816.3	809.2	762.6	786.6	841.7	836.8	965.3	1020.4
35°	1216.0	1139.0	1069.1	942.0	840.3	888.3	891.9	872.8	974.5	1015.4	1093.1
37.5°	1517.5	1496.3	1397.4	1060.6	936.3	913.0	915.2	977.3	1035.9	1081.1	1168.0
40°	1737.1	1725.8	1657.3	1298.6	1026.7	980.1	985.1	1025.3	1079.7	1160.2	1250.6
42.5°	1947.5	1947.5	1907.3	1502.0	1220.9	1094.5	1091.0	1099.5	1138.3	1223.0	1372.7
45°	2084.5	2076.8	2110.6	1693.3	1365.7	1217.4	1204.0	1201.8	1216.0	1316.2	1536.6
47.5°	2222.2	2201.0	2233.5	1886.8	1554.9	1344.5	1345.9	1319.8	1338.8	1492.8	1760.4
50°	2367.7	2371.9	2367.7	2049.9	1740.6	1517.5	1505.5	1472.3	1510.4	1699.7	2011.1
52.5°	2575.3	2560.5	2518.8	2257.5	1977.9	1709.6	1690.5	1642.5	1732.2	1943.3	2324.6
55°	2726.4	2712.3	2701.0	2480.0	2160.1	1895.3	1884.0	1831.0	1999.1	2189.0	2648.0
57.5°	2890.9	2874.0	2906.5	2783.6	2446.1	2089.5	2074.6	2042.2	2273.1	2469.4	2977.1
60°	3001.8	3002.5	3091.5	3002.5	2684.7	2283.7	2269.5	2293.5	2523.7	2726.4	3332.3
62.5°	3001.8	3025.1	3220.7	3241.9	2940.4	2537.2	2512.4	2525.9	2796.3	2996.1	3623.9
65°	2717.2	2746.2	3202.3	3311.1	3196.7	2811.1	2799.1	2790.7	3054.0	3209.4	3852.7
67.5°	2427.0	2463.0	2924.1	3314.6	3406.4	3143.7	3099.9	3028.6	3276.5	3368.3	3975.6
70°	2225.7	2255.4	2621.9	3200.9	3542.0	3492.6	3463.6	3275.8	3425.5	3469.3	3837.2
72.5°	1898.8	1901.6	2227.9	2960.8	3633.1	3914.1	3846.3	3549.8	3509.5	3403.6	3253.9
75°	1183.5	1226.6	1480.8	2197.5	3381.7	4162.7	4150.0	3780.0	3389.5	3007.4	2256.1
77.5°	440.6	466.1	619.3	1128.4	2419.9	3796.9	3808.2	3530.0	2866.9	2179.1	1211.7
80°	143.3	153.9	204.8	363.7	1074.7	2702.4	2790.7	2504.0	1758.3	1107.2	510.5
82.5°	79.8	77.0	118.6	188.5	459.0	1400.3	1458.2	1204.0	829.0	463.2	190.7
85°	36.7	38.1	56.5	102.4	245.0	390.5	421.6	411.7	314.2	190.7	69.9
87.5°	7.8	9.2	12.7	24.0	38.1	33.2	24.0	42.4	61.4	45.2	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	2.8	2.8	2.1	2.1	1.4	1.4	0.7	0.7	1.4	1.4	1.4
5°	2.8	2.8	2.1	2.1	2.1	2.1	2.8	4.9	5.6	6.4	5.6
7.5°	2.8	2.8	2.8	2.8	3.5	7.1	33.2	101.7	108.0	110.2	113.0
10°	6.4	5.6	5.6	6.4	21.9	106.6	128.5	135.6	139.1	141.2	140.5
12.5°	98.2	97.4	36.0	21.9	102.4	134.9	138.4	142.6	149.7	156.8	153.9
15°	207.6	206.9	190.7	197.7	199.1	146.9	149.7	245.0	261.3	271.9	275.4
17.5°	226.0	228.1	221.7	273.3	279.6	222.4	249.3	273.3	278.9	282.5	283.2
20°	419.4	377.1	322.7	305.8	298.0	367.2	278.2	281.0	363.0	389.1	391.9
22.5°	461.1	457.6	427.9	440.6	372.1	382.7	360.1	379.9	416.6	424.4	424.4
25°	595.3	588.9	488.6	459.0	472.4	393.3	454.8	413.8	427.2	441.3	442.7
27.5°	731.6	723.8	652.5	516.2	468.2	496.4	461.8	499.2	540.2	560.0	560.7
30°	795.1	784.5	680.7	581.9	487.2	485.8	485.1	552.2	548.7	561.4	564.9
32.5°	1056.4	1039.4	870.0	572.0	505.6	461.8	514.8	537.4	617.9	657.4	661.7
35°	1119.9	1098.8	874.2	632.7	477.3	475.9	477.3	551.5	595.3	623.5	629.9
37.5°	1192.7	1163.7	864.3	593.2	488.6	443.5	454.0	497.8	593.2	656.7	661.7
40°	1283.1	1238.6	861.5	553.6	455.5	419.4	417.3	475.9	518.3	557.1	560.7
42.5°	1408.0	1336.7	857.3	512.7	416.6	390.5	394.0	419.4	453.3	449.8	455.5
45°	1574.0	1458.9	850.2	476.6	377.1	354.5	352.4	370.7	386.3	363.7	357.3
47.5°	1781.6	1610.0	861.5	442.0	340.4	319.2	319.9	327.6	330.5	305.8	300.1
50°	2017.4	1780.9	873.5	403.9	310.7	294.5	290.9	293.8	289.5	265.5	263.4
52.5°	2298.5	1981.4	879.8	367.9	286.7	274.0	269.7	267.6	261.3	245.0	242.9
55°	2624.0	2222.2	893.3	338.9	266.9	254.9	252.8	250.0	247.9	238.7	237.3
57.5°	2957.3	2487.7	885.5	309.3	247.9	237.3	241.5	246.4	252.1	248.6	247.9
60°	3263.1	2699.6	789.5	283.2	229.5	226.7	245.0	268.3	272.6	276.1	275.4
62.5°	3491.9	2806.2	626.3	260.6	216.8	227.4	271.9	304.3	300.1	290.9	288.8
65°	3572.4	2776.5	482.3	243.6	210.4	246.4	300.1	317.1	293.0	276.1	272.6
67.5°	3518.7	2630.4	373.5	229.5	206.9	262.7	310.0	305.1	277.5	264.8	259.9
70°	3244.0	2326.0	296.6	217.5	203.4	252.8	305.1	290.9	264.8	253.5	245.7
72.5°	2654.4	1839.5	254.2	204.1	188.5	232.3	289.5	271.9	253.5	238.7	231.6
75°	1716.6	1131.2	221.0	188.5	168.8	210.4	269.7	253.5	238.0	223.1	216.1
77.5°	826.2	514.1	193.5	169.5	150.4	194.2	253.5	234.4	218.9	204.1	195.6
80°	348.1	242.9	165.2	150.4	137.0	182.2	235.9	214.0	196.3	185.7	176.5
82.5°	169.5	134.2	125.7	122.2	119.3	165.9	216.8	190.0	171.6	161.7	141.2
85°	57.2	57.9	77.7	75.6	84.0	132.8	177.2	144.1	128.5	111.6	104.5
87.5°	5.6	7.8	10.6	13.4	27.5	36.7	60.7	49.4	38.8	14.8	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)