

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: P414064

Luminaire Tested: **LXF.LXT-PA1-100-830-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-830-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8057 lumens
Efficiency: N/A
Efficacy: 83.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B2 - U0 - G2

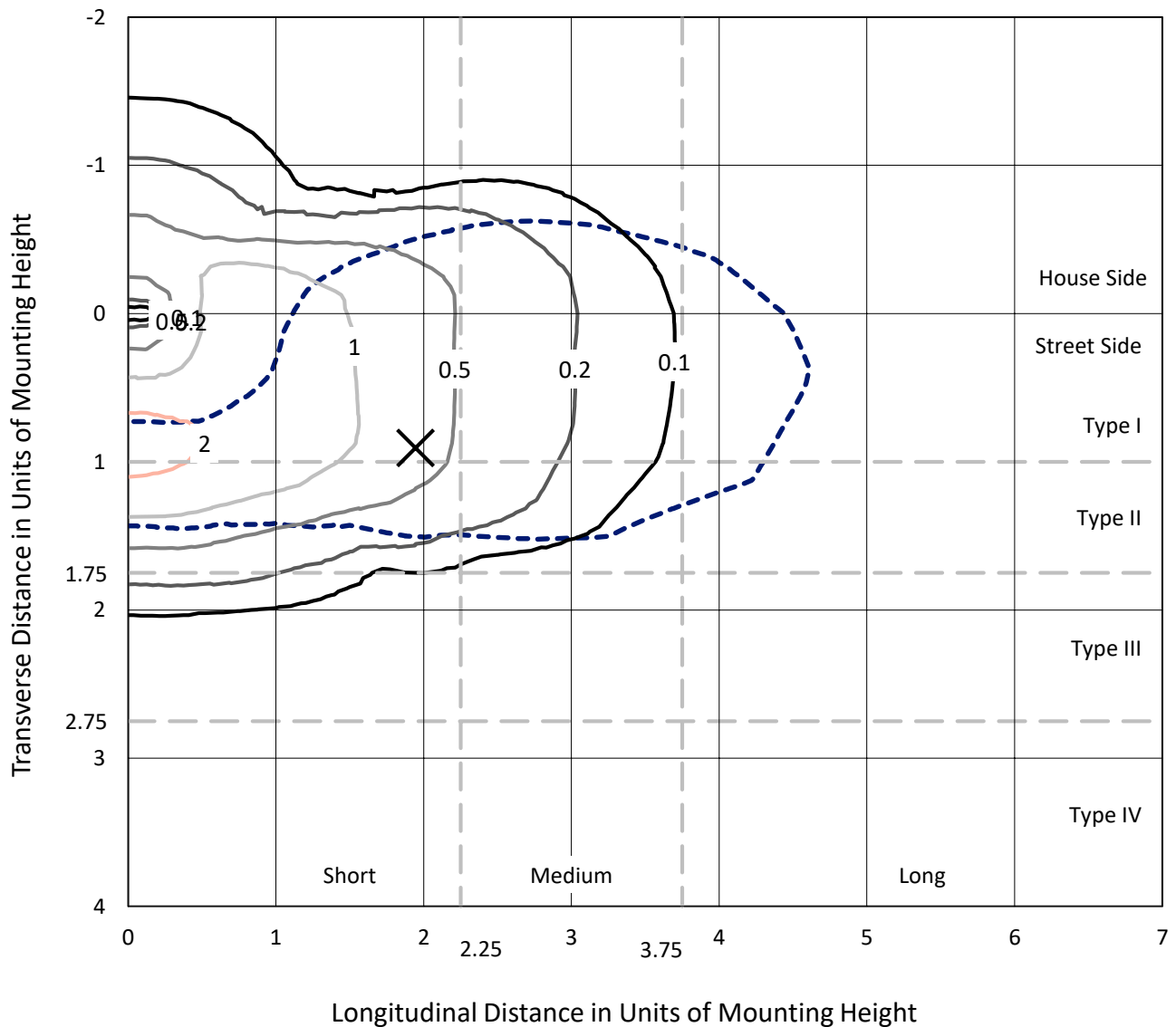
Input Watts (W): 96
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

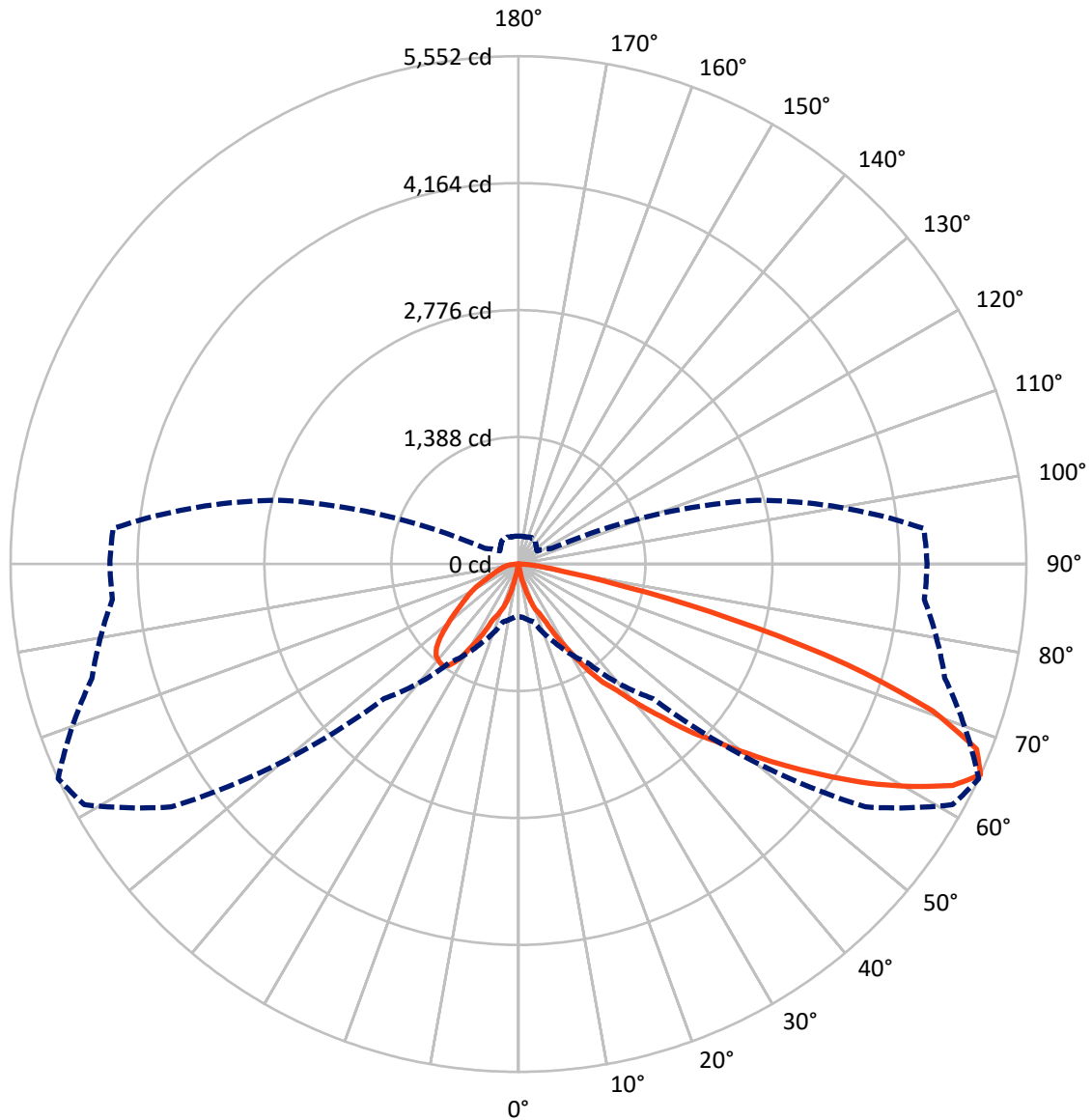
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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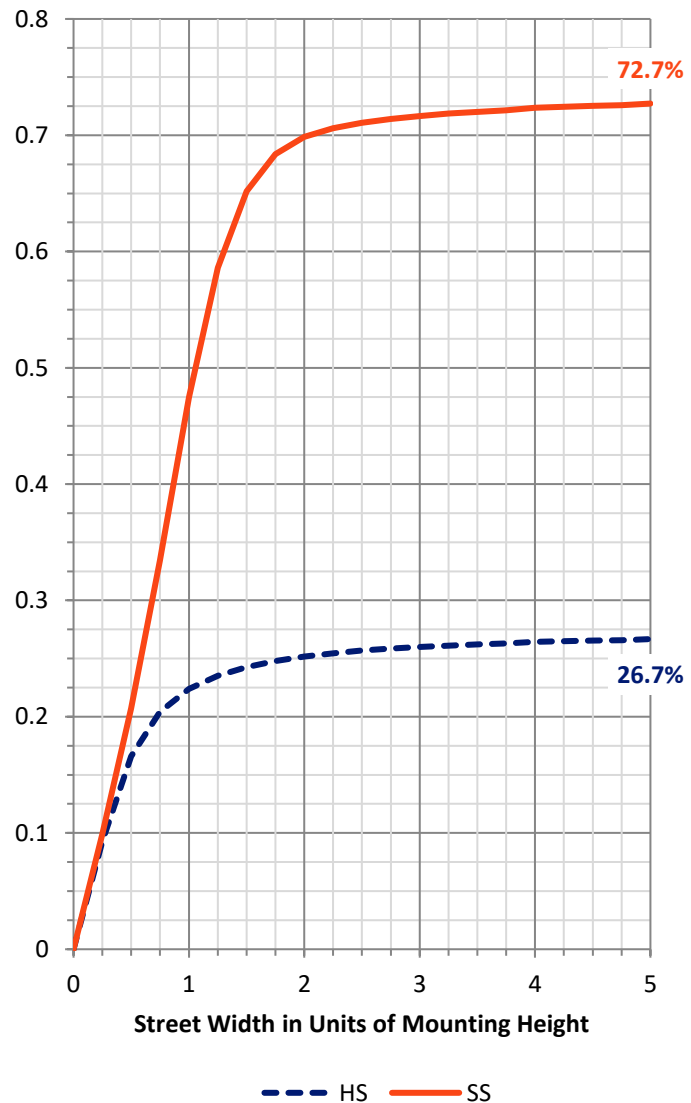
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2174.0	0.0	2174.0
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	5883.0	0.0	5883.0
	% Fixture	73.0	0.0	73.0
Total	Lumens	8057.0	0.0	8057.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.9	0.1
10°-20°	89.0	1.1
20°-30°	342.7	4.3
30°-40°	857.6	10.6
40°-50°	1596.8	19.8
50°-60°	2090.9	26.0
60°-70°	1874.5	23.3
70°-80°	1031.1	12.8
80°-90°	168.5	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°	8057.0	100.0
0°-180°	8057.0	100.0



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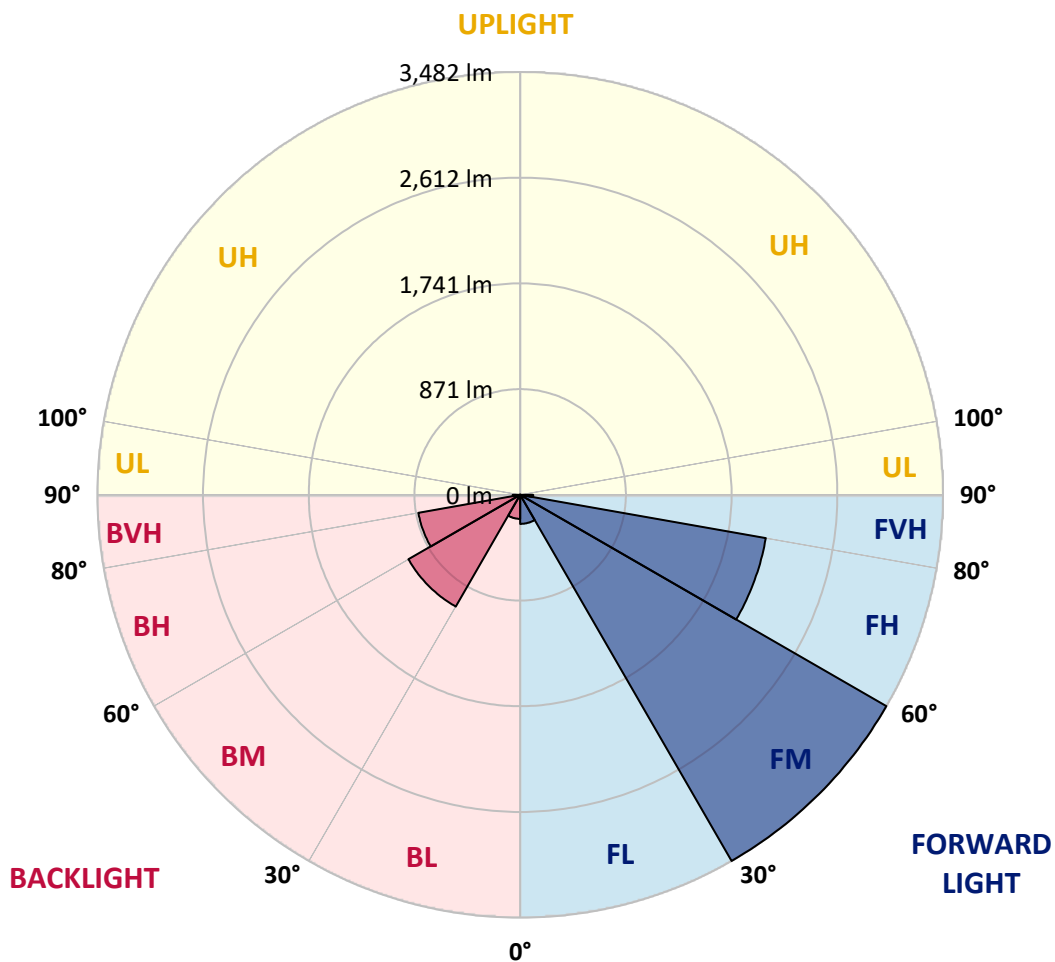
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	239.5	3.0			
FM (30°-60°)	3482.4	43.2			
FH (60°-80°)	2054.2	25.5			G2/5000
FVH (80°-90°)	106.9	1.3			G2/225
BL (0°-30°)	198.0	2.5	B1/500		
BM (30°-60°)	1063.0	13.2	B2/2500		
BH (60°-80°)	851.4	10.6	B2/1000		G2/1000
BVH (80°-90°)	61.6	0.8			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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	61°	65°	75°	85°
0°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	4.3	4.3	5.2	6.1	6.1	5.2	4.3	3.5	2.6	1.7	1.7
5°	39.9	35.6	27.8	19.1	11.3	8.7	6.9	5.2	4.3	2.6	1.7
7.5°	195.2	194.3	193.5	194.3	190.0	74.6	13.9	8.7	6.9	3.5	2.6
10°	196.1	195.2	194.3	196.1	196.1	193.5	183.9	26.9	13.9	8.7	8.7
12.5°	348.8	336.6	232.5	204.7	197.8	197.8	197.8	177.0	168.3	124.1	150.1
15°	366.1	363.5	362.6	364.4	322.7	213.4	298.4	281.1	284.6	242.9	288.0
17.5°	385.2	380.8	377.4	378.2	363.5	419.0	392.1	400.8	404.3	307.1	336.6
20°	596.9	596.9	551.8	418.2	458.9	525.7	433.8	476.3	527.5	458.9	471.1
22.5°	677.5	671.5	665.4	630.7	576.9	573.4	630.7	552.6	586.5	674.1	622.9
25°	921.3	923.1	773.8	727.9	805.9	702.7	753.0	748.7	708.8	817.2	789.5
27.5°	1166.0	1169.4	1153.0	1026.3	921.3	904.0	857.1	923.9	913.5	906.6	971.6
30°	1394.1	1393.3	1318.7	1265.7	1209.3	1108.7	1056.7	1070.5	1112.2	1074.0	1212.0
32.5°	1939.8	1925.1	1845.3	1509.5	1422.8	1328.2	1313.5	1274.4	1357.7	1330.8	1458.3
35°	2303.3	2299.8	2155.0	1965.8	1691.7	1586.7	1588.5	1515.6	1584.1	1618.8	1638.8
37.5°	3115.3	3103.2	2882.8	2328.5	2112.5	1896.4	1856.5	1821.8	1750.7	1851.3	1850.5
40°	3552.6	3517.9	3323.5	2958.3	2480.3	2220.0	2136.7	2062.1	2011.0	2069.9	2062.1
42.5°	3892.6	3865.8	3728.7	3350.4	2960.0	2757.9	2447.3	2376.2	2273.0	2343.2	2306.8
45°	4136.4	4122.5	4000.2	3719.1	3419.8	3271.5	2797.8	2686.8	2597.4	2587.9	2566.2
47.5°	4183.3	4153.8	4117.3	3959.4	3831.9	3787.7	3231.6	3039.9	2892.4	2864.6	2828.2
50°	3962.1	3953.4	4001.1	3972.5	4127.8	4231.0	3732.2	3466.7	3260.2	3162.2	3091.9
52.5°	3449.3	3467.6	3650.6	3778.1	4165.1	4539.8	4202.4	3945.6	3663.6	3447.6	3353.0
55°	2740.6	2806.5	3078.0	3343.5	3931.7	4673.4	4648.3	4446.1	4082.6	3766.9	3627.2
57.5°	2104.7	2097.7	2447.3	2688.5	3458.0	4584.1	4938.0	4880.8	4523.4	4098.3	3889.2
60°	1363.8	1357.7	1770.6	2079.5	2665.1	4126.0	5088.1	5238.2	4937.2	4384.5	4125.1
62.5°	890.1	927.4	1084.4	1523.4	1903.4	3190.8	5037.8	5460.3	5331.0	4650.0	4351.6
65°	572.6	586.5	655.0	949.1	1319.5	2081.2	4630.1	5427.3	5552.3	4827.0	4454.8
67.5°	426.8	430.3	463.3	589.9	897.9	1087.9	3634.1	4969.3	5402.2	4839.1	4421.0
70°	374.8	381.7	413.8	445.0	668.0	684.5	2124.6	3995.0	4800.1	4664.8	4250.1
72.5°	320.1	327.1	369.6	414.7	511.0	513.6	794.7	2654.7	3758.2	4310.8	3975.9
75°	261.1	265.5	302.8	363.5	426.0	412.1	459.8	1199.8	2405.7	3582.9	3546.5
77.5°	210.8	214.3	241.2	289.8	377.4	315.8	342.7	514.5	1195.5	2587.0	2873.3
80°	152.7	154.4	180.4	222.1	283.7	282.0	255.9	326.2	493.6	1511.3	1902.5
82.5°	97.2	97.2	124.1	145.7	188.3	278.5	179.6	219.5	275.9	752.2	915.3
85°	54.7	56.4	78.1	85.0	110.2	169.2	129.3	121.5	149.2	272.4	225.6
87.5°	10.4	13.0	22.6	24.3	28.6	39.9	46.8	42.5	44.2	63.3	37.3
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°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	1.7	2.6	3.5	3.5	3.5	3.5	3.5	3.5	3.5	2.6	2.6
5°	1.7	2.6	3.5	3.5	4.3	6.1	6.9	6.9	7.8	8.7	7.8
7.5°	1.7	2.6	3.5	5.2	6.9	13.9	50.3	177.8	190.9	193.5	196.9
10°	7.8	7.8	8.7	9.5	39.0	186.5	200.4	202.1	203.9	204.7	205.6
12.5°	152.7	151.0	150.1	115.4	177.8	205.6	208.2	209.9	212.5	253.3	274.1
15°	291.5	292.4	277.6	266.3	309.7	225.6	240.3	371.3	384.3	388.7	391.3
17.5°	334.0	348.8	309.7	411.2	407.7	343.5	378.2	398.2	399.9	402.5	403.4
20°	474.5	471.1	451.1	515.3	441.6	564.8	468.5	403.4	507.5	558.7	559.6
22.5°	616.0	616.8	588.2	595.1	635.0	581.3	469.3	532.7	545.7	544.8	542.2
25°	793.8	786.9	773.0	661.9	749.6	632.4	624.6	516.2	517.9	559.6	586.5
27.5°	970.8	953.4	898.8	858.0	778.2	703.6	589.9	558.7	602.1	599.5	600.3
30°	1215.4	1188.5	1037.6	1032.4	825.9	696.6	600.3	556.1	541.3	544.8	543.1
32.5°	1460.1	1411.5	1275.3	1231.0	880.6	648.9	550.9	513.6	556.1	562.2	558.7
35°	1611.0	1571.1	1524.3	1348.2	886.6	597.7	498.8	507.5	504.9	502.3	504.0
37.5°	1787.1	1722.1	1681.3	1388.1	836.3	533.5	475.4	468.5	510.1	511.0	507.5
40°	1984.1	1910.3	1819.2	1369.8	721.8	483.2	441.6	464.1	466.7	456.3	453.7
42.5°	2206.2	2098.6	1963.2	1345.6	598.6	453.7	428.6	431.2	432.9	421.6	417.3
45°	2430.0	2304.2	2086.4	1277.9	509.2	424.2	408.6	407.7	399.1	388.7	386.1
47.5°	2680.7	2533.2	2187.9	1159.9	445.9	401.7	395.6	379.1	381.7	372.2	371.3
50°	2939.2	2780.5	2246.1	1018.5	404.3	382.6	372.2	367.0	373.9	362.6	360.9
52.5°	3192.5	3059.8	2338.0	891.8	368.7	366.1	361.8	363.5	366.1	354.0	353.1
55°	3467.6	3372.1	2422.2	771.2	337.5	343.5	358.3	357.4	356.6	345.3	345.3
57.5°	3720.0	3673.2	2508.1	678.4	313.2	323.6	350.5	350.5	346.1	336.6	335.7
60°	4013.2	3978.5	2589.6	595.1	292.4	305.4	340.9	341.8	334.0	327.1	325.3
62.5°	4279.6	4253.5	2654.7	507.5	269.8	289.8	327.1	333.1	321.9	316.7	316.7
65°	4467.0	4448.7	2690.2	399.1	248.1	274.1	312.3	321.0	306.2	305.4	305.4
67.5°	4483.4	4472.2	2616.5	333.1	232.5	259.4	294.1	302.8	289.8	292.4	287.2
70°	4329.9	4247.5	2407.4	277.6	216.9	240.3	272.4	282.8	269.8	270.7	262.0
72.5°	4005.4	3767.7	2037.9	236.0	199.5	219.5	249.0	258.5	246.4	243.8	234.2
75°	3459.7	3092.8	1418.4	204.7	181.3	196.9	220.4	229.9	222.1	209.1	206.5
77.5°	2679.8	2266.9	869.3	177.0	164.8	173.5	190.9	196.1	188.3	172.6	170.0
80°	1689.1	1359.4	419.0	153.6	143.1	147.5	158.8	163.1	157.0	141.4	132.7
82.5°	773.8	587.3	221.2	124.1	116.3	116.3	127.5	124.1	118.9	104.1	84.2
85°	180.4	185.7	102.4	76.3	73.7	65.9	76.3	75.5	67.7	52.1	43.4
87.5°	29.5	33.0	26.0	23.4	19.1	14.7	16.5	13.9	12.1	6.1	2.6
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)