

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: P416126

Luminaire Tested: **LXF.LXT-PA1-60-830-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416126
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-830-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5962 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

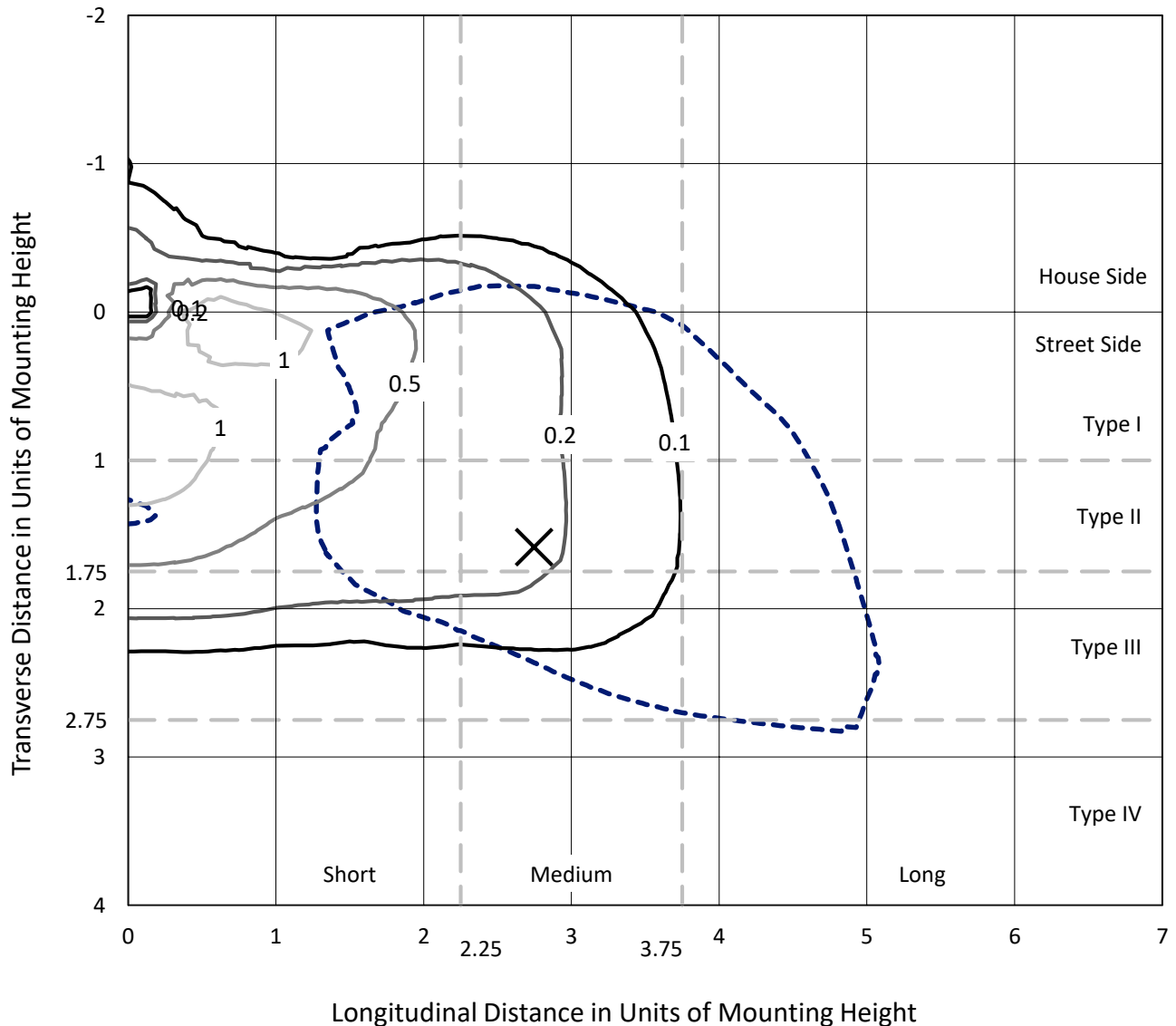
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

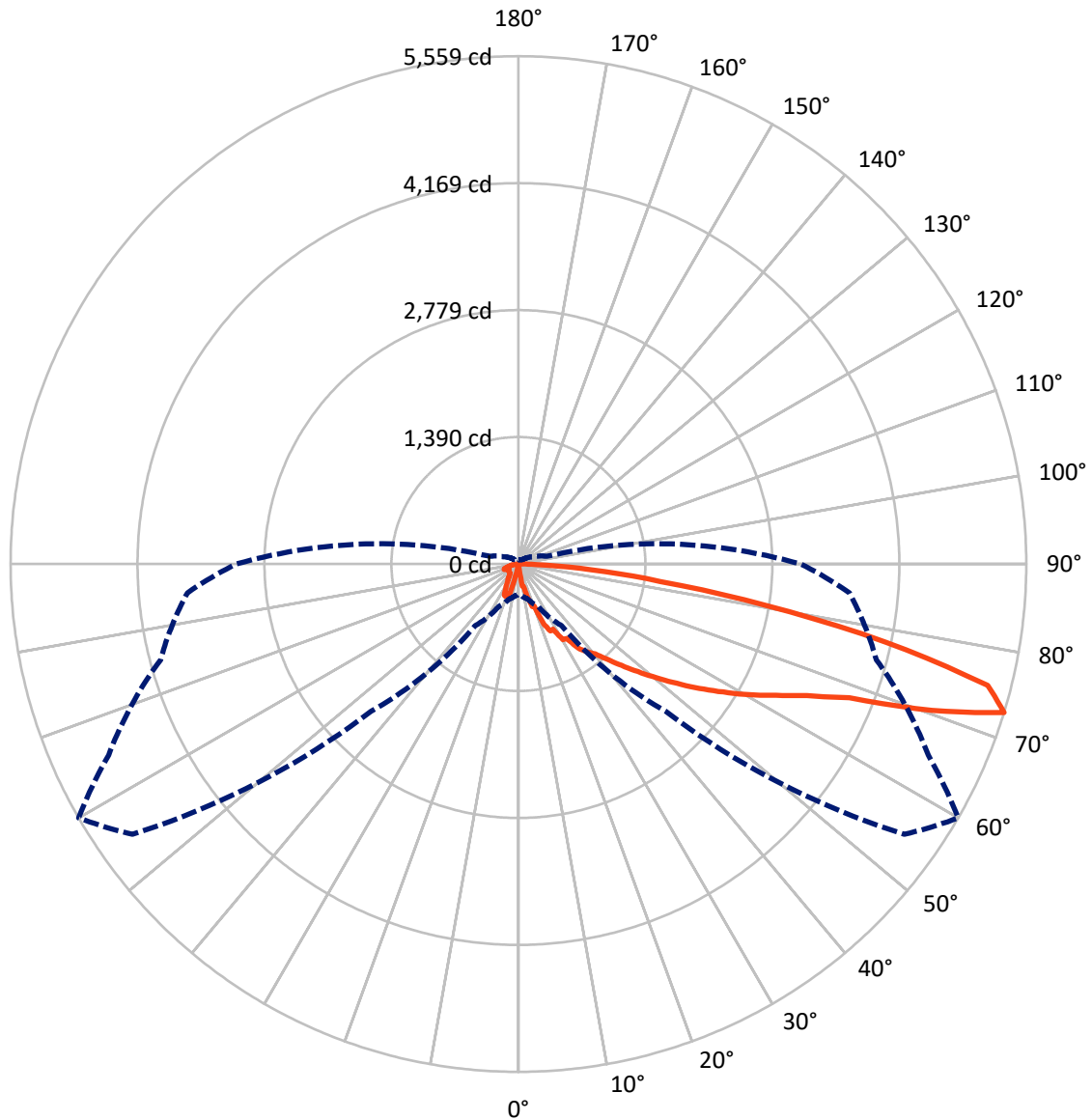
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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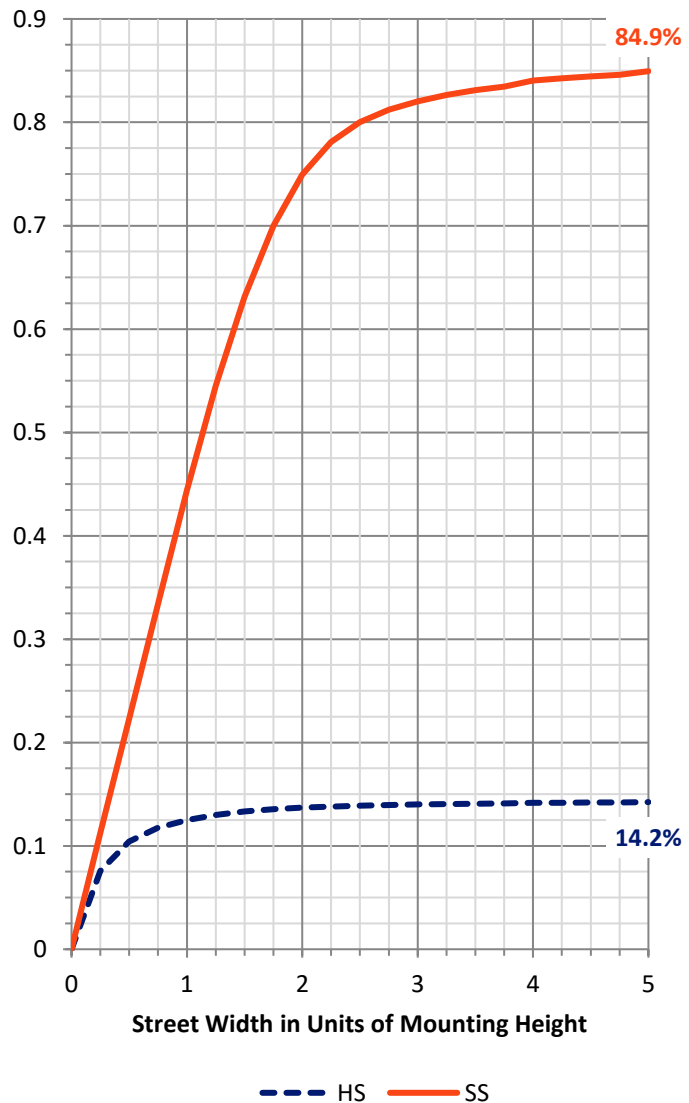
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	858.6	0.0	858.6
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	5103.4	0.0	5103.4
	% Fixture	85.6	0.0	85.6
Total	Lumens	5962.0	0.0	5962.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.3	0.1
10°-20°	87.0	1.5
20°-30°	261.7	4.4
30°-40°	517.7	8.7
40°-50°	857.5	14.4
50°-60°	1281.0	21.5
60°-70°	1523.9	25.6
70°-80°	1219.9	20.5
80°-90°	207.0	3.5
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°	5962.0	100.0
0°-180°	5962.0	100.0

Coefficient of Utilization



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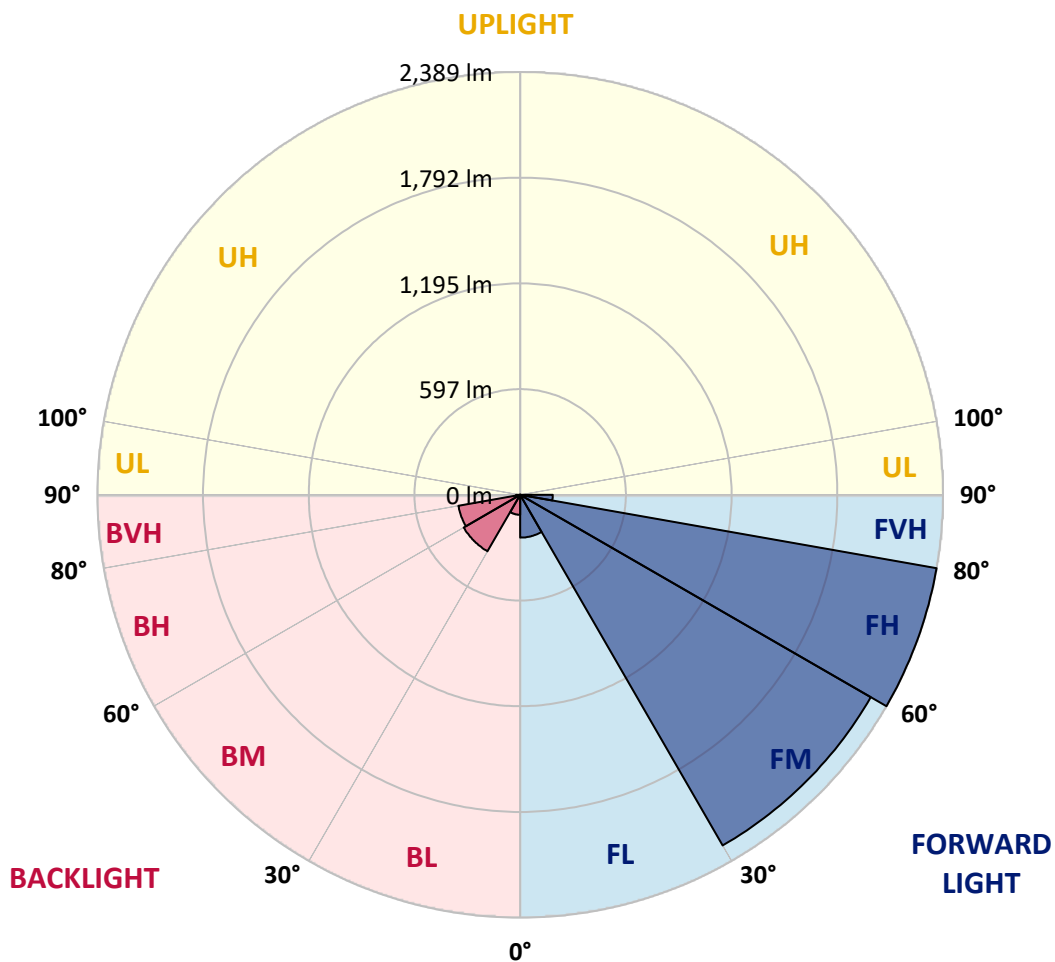
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	242.0	4.1			
FM	(30°-60°)	2287.8	38.4			
FH	(60°-80°)	2389.4	40.1			G2/5000
FVH	(80°-90°)	184.2	3.1			G2/225
BL	(0°-30°)	113.0	1.9	B1/500		
BM	(30°-60°)	368.4	6.2	B1/1000		
BH	(60°-80°)	354.4	5.9	B1/500		G1/500
BVH	(80°-90°)	22.8	0.4			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	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°	3.2	3.2	3.9	4.5	4.5	3.9	3.2	3.2	3.2	2.6	3.2
5°	222.8	112.4	75.3	35.7	26.6	13.0	5.2	3.9	3.9	3.2	3.2
7.5°	255.9	255.9	256.6	259.2	261.1	262.4	32.5	16.9	6.5	3.2	3.2
10°	246.8	244.9	246.2	248.8	251.4	255.3	259.8	246.8	29.2	5.2	3.9
12.5°	456.0	454.7	439.1	267.6	248.1	248.1	254.6	255.3	200.7	19.5	18.8
15°	439.7	439.1	441.0	445.6	452.7	256.6	260.5	379.3	494.3	348.1	404.6
17.5°	452.1	446.9	435.2	432.6	439.1	412.4	485.2	491.0	502.1	400.1	409.8
20°	620.3	618.3	618.3	520.9	429.3	600.1	569.6	491.7	504.7	578.7	724.9
22.5°	618.3	615.1	610.5	609.9	699.5	583.9	593.0	711.2	739.8	848.3	819.0
25°	840.5	832.0	704.7	614.4	695.0	654.1	792.4	813.2	752.1	880.1	837.9
27.5°	912.6	896.3	856.1	784.6	700.2	795.0	791.1	808.0	829.4	1202.9	1151.6
30°	1239.3	1162.6	947.0	911.3	837.2	804.7	901.5	960.6	1047.7	1178.2	1199.6
32.5°	1386.7	1358.8	1253.6	1121.7	978.2	869.0	986.0	971.0	1055.5	1432.2	1538.0
35°	1705.0	1670.5	1382.2	1263.3	1137.3	1065.2	1013.9	1134.0	1238.0	1489.3	1567.3
37.5°	1767.3	1759.5	1692.6	1479.6	1310.7	1171.1	1186.7	1219.1	1286.7	1569.2	1649.8
40°	1816.0	1816.7	1836.2	1652.4	1470.5	1341.2	1294.5	1295.1	1352.9	1700.4	1755.6
42.5°	1944.6	1949.8	2002.4	1806.3	1664.0	1540.0	1458.8	1423.1	1467.2	1851.1	1885.5
45°	2176.5	2164.8	2209.6	1964.8	1809.5	1703.0	1638.1	1583.5	1606.9	2011.5	2051.2
47.5°	2468.1	2443.5	2428.5	2162.2	1968.0	1876.4	1816.0	1758.9	1766.0	2164.8	2240.8
50°	2693.5	2681.2	2603.9	2311.6	2104.4	2051.2	2025.8	1955.0	1924.5	2335.6	2457.7
52.5°	2789.6	2778.0	2682.5	2424.6	2212.2	2218.1	2262.2	2170.0	2084.3	2520.7	2664.3
55°	2772.8	2763.0	2700.0	2480.5	2290.2	2379.2	2494.8	2402.5	2291.5	2695.5	2874.7
57.5°	2648.0	2652.6	2651.9	2484.4	2349.9	2530.5	2722.1	2642.9	2511.0	2868.9	3045.5
60°	2372.7	2396.7	2486.3	2456.4	2425.9	2673.4	2942.9	2905.9	2766.3	3059.2	3203.4
62.5°	1900.5	1947.9	2144.0	2303.8	2487.0	2873.4	3158.6	3163.1	3030.6	3206.6	3325.5
65°	1282.1	1278.2	1570.5	1966.7	2414.9	3187.8	3480.7	3471.6	3275.5	3374.8	3505.4
67.5°	712.5	728.1	919.7	1301.6	2137.5	3382.6	4099.1	3904.2	3613.2	3631.4	3758.1
70°	441.0	459.9	524.2	727.5	1368.5	3155.3	4893.4	4802.5	4237.4	3971.7	3860.0
72.5°	335.1	345.5	397.5	515.7	823.6	2282.4	5157.1	5558.5	4949.3	4055.5	3637.9
75°	200.0	212.4	283.2	445.6	686.5	1181.5	4471.2	5303.9	5175.3	4002.3	3174.8
77.5°	124.7	128.0	152.6	311.1	632.6	743.7	3063.1	4108.1	4217.9	3389.8	2243.4
80°	95.5	96.1	105.2	165.6	511.2	704.1	1773.8	2743.5	2689.0	1810.2	881.4
82.5°	60.4	64.3	81.8	101.3	242.9	686.5	1048.3	1562.1	1375.0	489.7	245.5
85°	30.5	34.4	57.8	69.5	117.6	743.7	743.7	800.8	563.1	164.3	92.9
87.5°	5.2	5.2	7.8	18.2	23.4	126.0	207.8	181.2	119.5	22.1	18.2
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°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	3.2	3.2	3.2	2.6	1.9	1.3	0.6	0.6	0.6	1.3	1.3
5°	3.2	3.2	3.2	2.6	1.9	1.3	0.6	0.6	1.3	1.9	1.9
7.5°	3.2	3.2	3.2	2.6	1.9	1.9	1.3	2.6	5.8	76.0	51.3
10°	3.9	3.9	3.9	3.2	2.6	7.1	222.1	234.5	235.1	233.8	231.2
12.5°	20.8	22.7	16.9	5.8	24.0	222.8	213.7	203.3	199.4	194.9	194.9
15°	410.5	405.3	382.6	281.9	172.8	198.7	178.6	165.0	255.9	252.7	255.3
17.5°	411.8	402.7	370.2	403.3	374.1	178.6	202.6	220.2	207.8	203.3	205.2
20°	781.4	739.1	375.4	376.1	320.9	317.0	172.1	162.4	164.3	168.2	169.5
22.5°	795.6	746.9	576.1	487.1	275.4	254.0	176.0	140.9	208.5	231.9	234.5
25°	802.1	741.1	544.3	431.3	311.1	190.3	170.2	154.6	190.3	213.7	215.0
27.5°	1134.0	1027.5	743.7	366.3	240.3	166.9	159.1	145.5	170.8	211.7	212.4
30°	1124.3	998.9	689.1	354.6	185.8	153.9	137.7	152.0	161.1	172.1	172.1
32.5°	1462.0	1282.1	764.5	285.8	155.9	128.0	129.9	138.3	139.0	164.3	166.3
35°	1462.7	1254.2	658.6	261.1	133.8	116.9	118.9	128.0	141.6	157.8	160.4
37.5°	1485.4	1241.9	567.7	203.3	133.8	116.9	113.0	122.1	131.9	154.6	157.2
40°	1533.5	1247.1	481.3	168.9	129.3	115.0	111.7	118.9	130.6	143.5	144.8
42.5°	1615.3	1276.3	399.4	152.6	126.0	115.0	107.2	112.4	118.9	145.5	148.1
45°	1745.2	1338.6	336.4	146.1	124.7	110.4	102.0	103.3	107.8	172.1	179.3
47.5°	1897.2	1425.0	281.9	142.9	122.8	105.9	94.2	95.5	105.9	195.5	205.2
50°	2072.6	1553.0	249.4	142.2	120.8	99.4	88.3	95.5	116.9	194.9	199.4
52.5°	2278.5	1682.9	231.9	144.8	119.5	93.5	91.6	107.2	111.1	156.5	156.5
55°	2463.6	1827.1	233.2	146.8	115.6	93.5	94.2	90.9	87.7	107.8	108.5
57.5°	2645.5	1970.6	254.6	142.9	109.8	94.2	81.2	74.7	76.0	91.6	93.5
60°	2803.3	2109.0	318.9	134.4	104.6	85.1	75.3	70.1	71.4	92.2	94.2
62.5°	2973.5	2277.8	441.7	137.7	103.9	80.5	70.1	64.3	66.9	76.6	77.9
65°	3203.4	2513.6	552.1	162.4	107.8	77.9	64.3	61.1	61.7	62.4	62.4
67.5°	3428.8	2659.1	532.6	191.6	120.8	76.6	61.1	57.2	56.5	56.5	56.5
70°	3406.7	2501.3	422.2	203.3	131.2	76.6	58.5	53.3	52.0	52.0	52.0
72.5°	3087.8	2139.5	324.1	188.4	120.8	73.4	54.6	48.7	46.8	46.8	46.8
75°	2627.3	1716.0	272.1	163.7	98.7	63.0	48.1	43.5	42.2	42.2	41.6
77.5°	1678.3	1014.5	231.2	133.1	76.0	51.3	41.6	37.7	37.7	37.7	35.7
80°	673.5	446.2	179.9	105.2	59.1	40.9	34.4	32.5	31.8	31.2	29.2
82.5°	255.9	220.2	116.9	76.6	45.5	31.2	27.9	26.0	26.0	25.3	22.1
85°	91.6	85.7	53.9	44.2	27.9	19.5	21.4	19.5	18.8	16.9	14.3
87.5°	19.5	21.4	14.9	9.7	9.7	5.8	7.1	7.8	7.8	7.1	3.9
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)