

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: P417077

Luminaire Tested: **LXF.LXT-PA1-90-727-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417077
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-29)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-90-727-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6095 lumens
Efficiency: N/A
Efficacy: 64.8 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

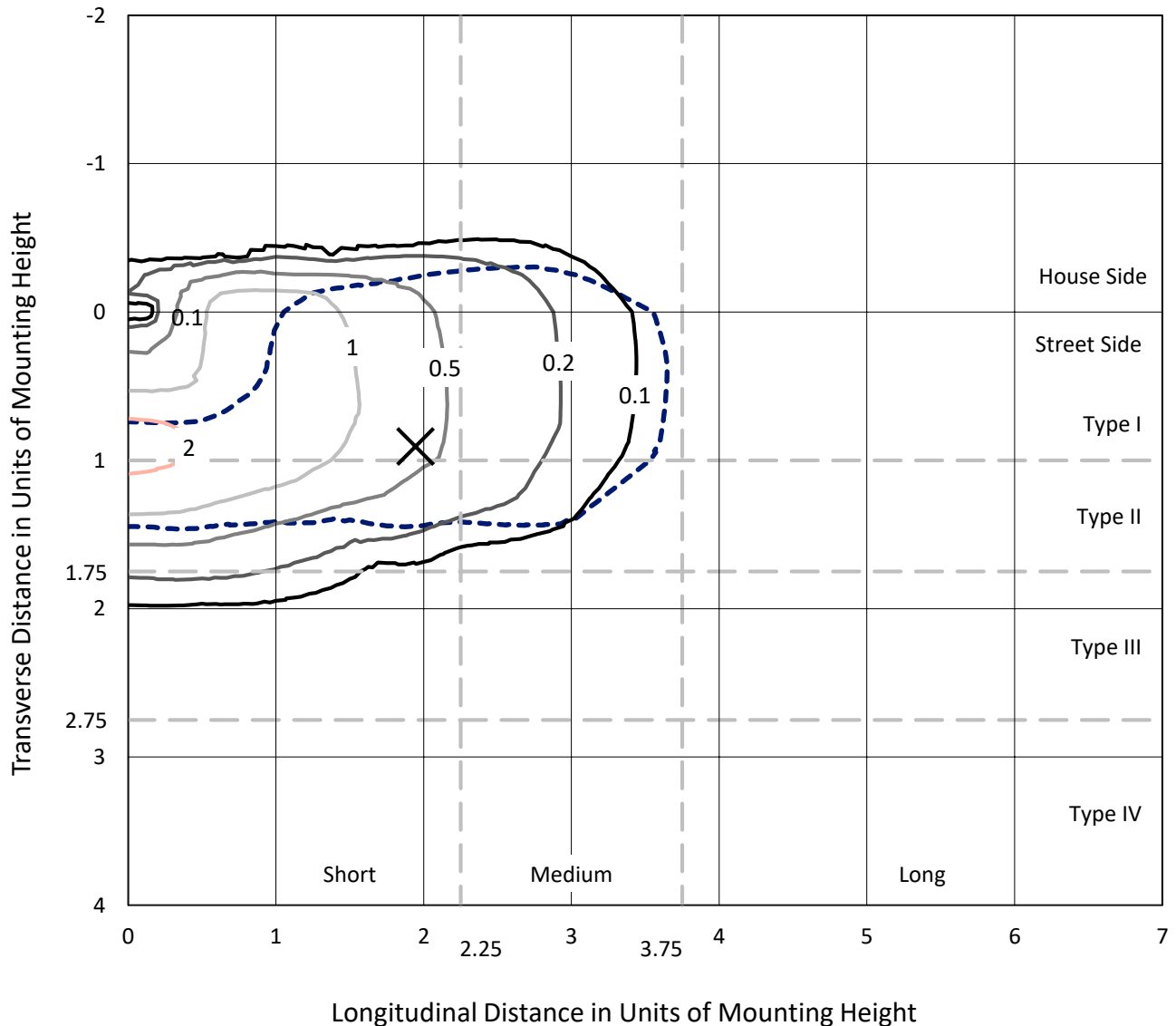
Input Watts (W): 94
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

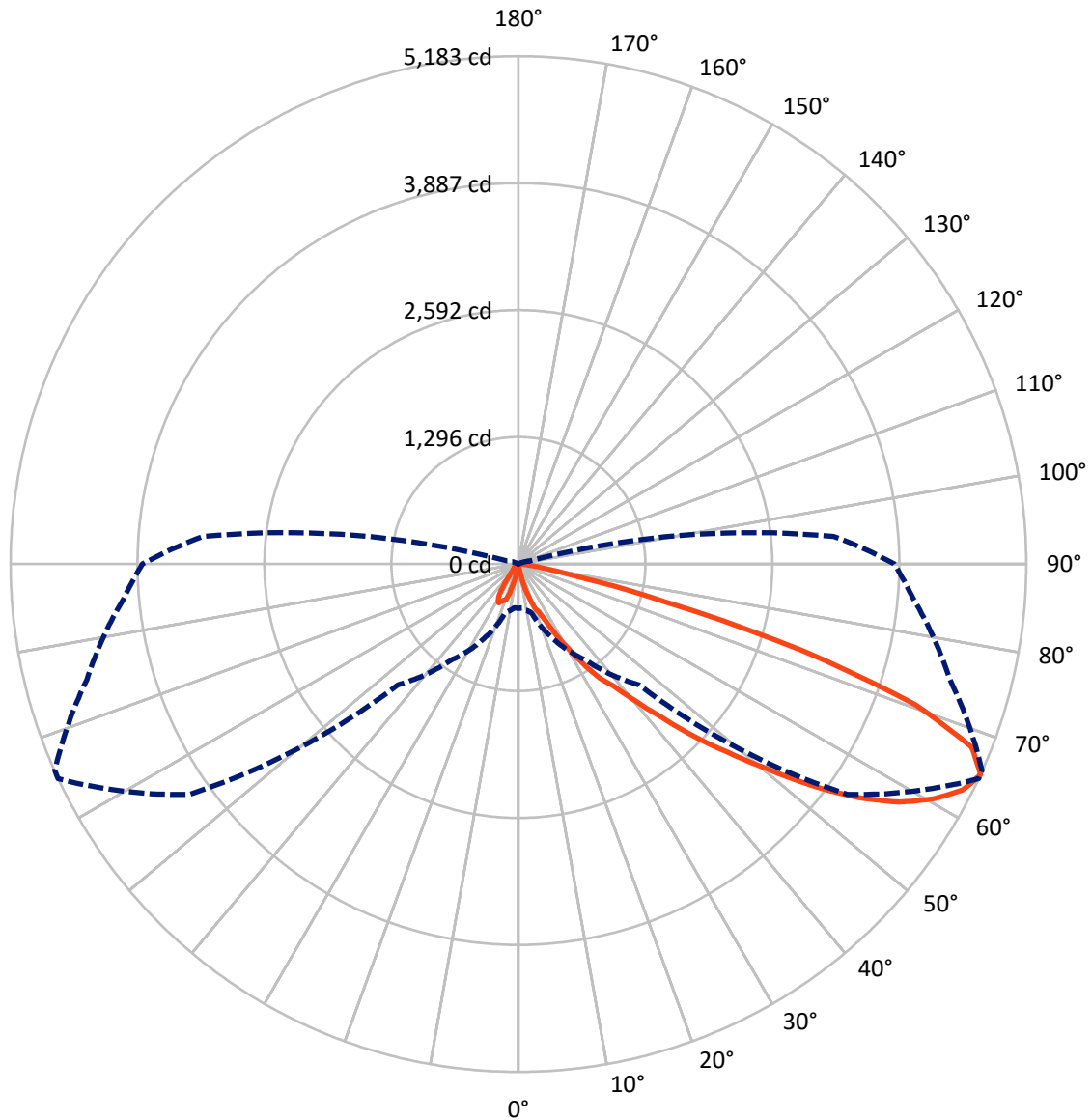
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - Full 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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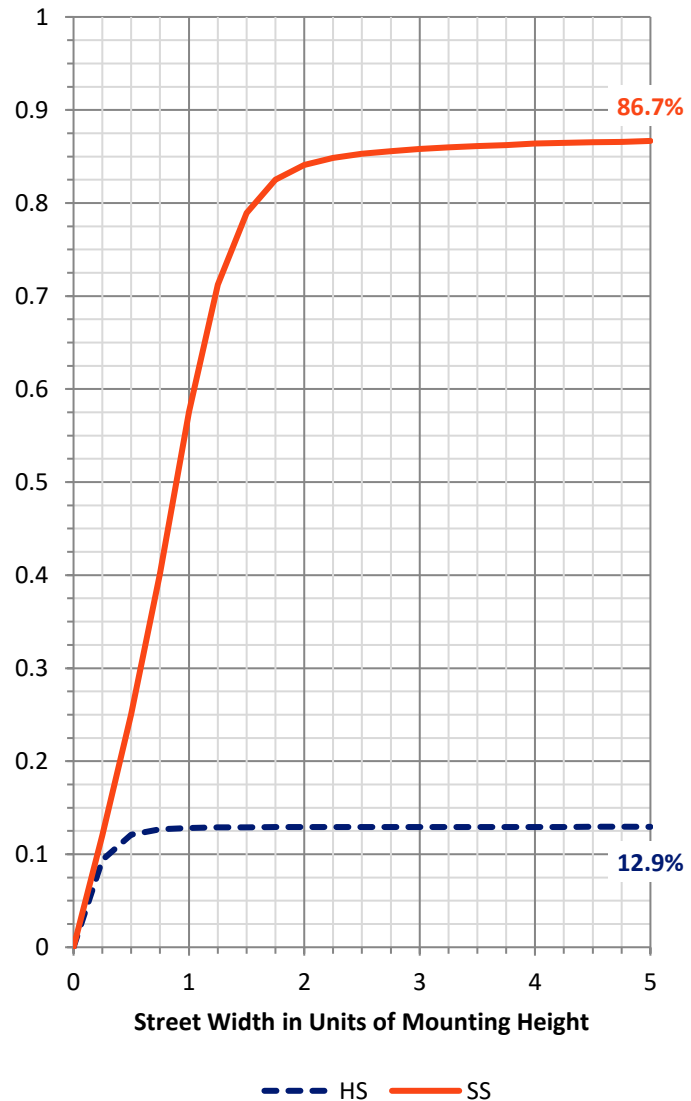
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	799.7	0.0	799.7
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	5295.3	0.0	5295.3
	% Fixture	86.9	0.0	86.9
Total	Lumens	6095.0	0.0	6095.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.8	0.1
10°-20°	63.3	1.0
20°-30°	215.0	3.5
30°-40°	604.8	9.9
40°-50°	1341.8	22.0
50°-60°	1799.2	29.5
60°-70°	1433.4	23.5
70°-80°	590.5	9.7
80°-90°	42.3	0.7
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°	6095.0	100.0
0°-180°	6095.0	100.0



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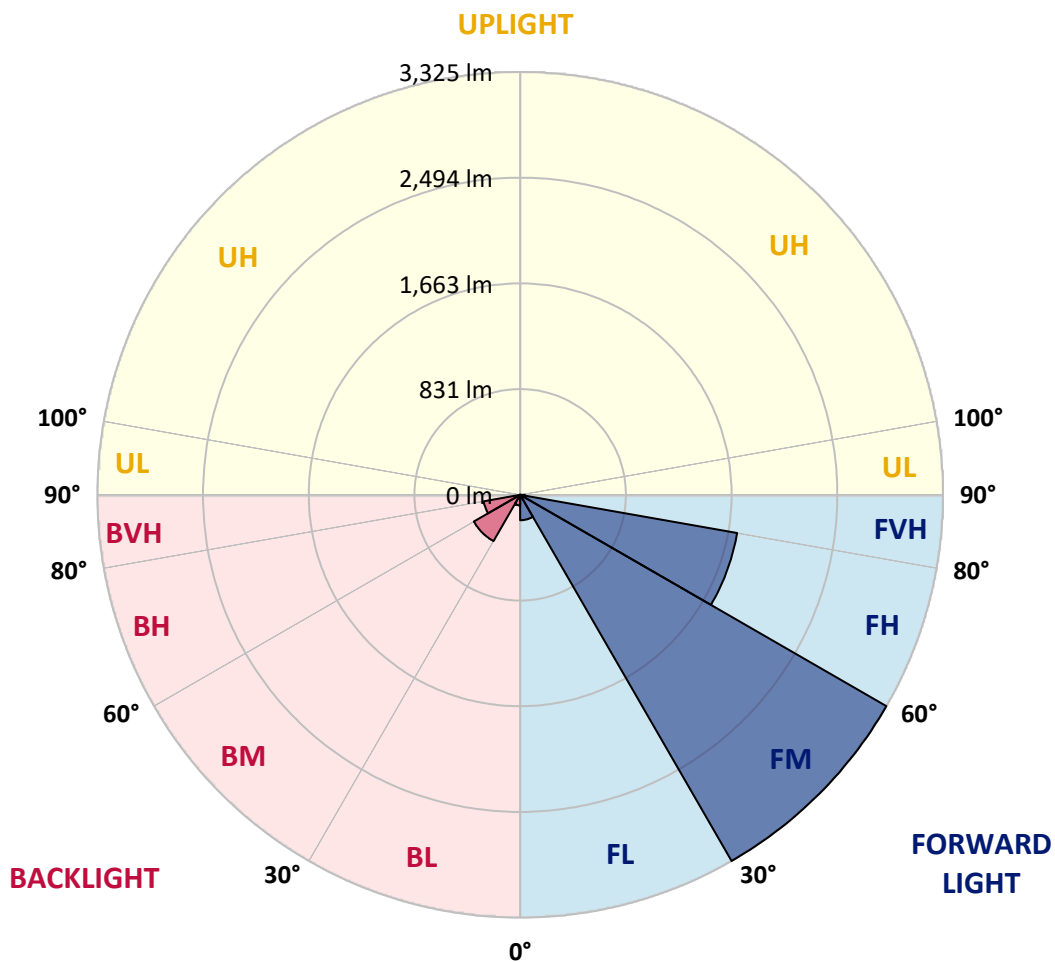
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	199.9	3.3			
FM (30°-60°)	3325.2	54.6			
FH (60°-80°)	1732.6	28.4			G1/1800
FVH (80°-90°)	37.6	0.6			G1/100
BL (0°-30°)	83.2	1.4	B0/110		
BM (30°-60°)	420.5	6.9	B1/1000		
BH (60°-80°)	291.3	4.8	B1/500		G1/500
BVH (80°-90°)	4.7	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	0.9	0.9	0.9	2.7	2.7	2.7	2.7	1.8	1.8	1.8	1.8
5°	26.1	24.3	18.0	9.9	5.4	3.6	2.7	1.8	1.8	1.8	1.8
7.5°	182.1	181.2	181.2	183.0	183.9	65.8	6.3	2.7	2.7	1.8	1.8
10°	174.9	174.0	174.0	176.7	179.4	180.3	173.1	4.5	3.6	1.8	1.8
12.5°	326.4	321.0	204.7	179.4	174.9	176.7	177.6	153.3	71.2	110.0	136.1
15°	327.3	324.6	327.3	331.8	265.1	184.8	269.6	263.3	263.3	193.8	266.0
17.5°	330.9	327.3	329.1	335.4	325.5	382.3	360.6	373.3	373.3	275.9	293.9
20°	488.7	487.8	495.0	362.4	404.8	474.2	393.1	482.3	491.4	410.2	424.6
22.5°	498.6	497.7	509.4	507.6	496.8	509.4	575.2	528.3	531.0	620.3	560.8
25°	694.2	678.0	550.0	540.0	652.7	605.0	689.7	636.5	631.1	750.1	711.3
27.5°	794.3	787.1	795.2	770.8	691.5	742.0	746.5	819.5	782.6	859.2	876.3
30°	965.6	970.1	929.5	889.0	906.1	861.0	898.0	996.2	991.7	973.7	1105.3
32.5°	1541.7	1494.8	1415.5	1101.7	1032.3	999.8	1102.6	1213.5	1168.4	1235.2	1366.8
35°	2040.3	1935.7	1804.1	1580.5	1282.0	1195.5	1320.8	1429.9	1402.0	1536.3	1528.2
37.5°	2871.5	2822.8	2594.7	2024.0	1726.5	1491.2	1551.6	1577.8	1610.2	1763.5	1759.9
40°	3362.9	3307.0	3145.6	2693.9	2179.1	1850.0	1823.9	1837.4	1848.2	2002.4	2013.2
42.5°	3775.8	3750.6	3593.7	3160.9	2739.9	2431.6	2187.2	2134.0	2153.9	2309.8	2289.1
45°	4056.2	4026.4	3884.9	3582.9	3234.0	3075.3	2609.2	2505.5	2510.9	2597.4	2581.2
47.5°	4117.5	4082.3	4019.2	3851.5	3733.4	3604.5	3137.5	2864.3	2925.6	2930.1	2875.1
50°	3899.3	3856.0	3909.2	3869.6	4049.9	4114.8	3672.1	3282.6	3388.1	3291.7	3139.3
52.5°	3359.3	3372.8	3536.9	3656.8	4061.6	4471.8	4246.4	3762.3	3833.5	3590.1	3389.0
55°	2667.8	2701.1	2972.5	3192.5	3785.7	4571.9	4662.1	4206.8	4234.7	3907.4	3591.0
57.5°	1964.5	2009.6	2343.2	2588.4	3251.1	4356.4	4865.8	4584.5	4639.5	4136.4	3731.6
60°	1209.0	1250.5	1628.2	2001.5	2495.6	3737.0	4892.9	4867.6	4930.7	4297.8	3873.2
62.5°	736.6	771.8	936.7	1390.2	1793.2	2824.6	4667.5	5084.9	5116.5	4461.0	3975.1
65°	453.5	447.2	513.9	844.8	1196.4	1746.4	4097.7	5183.2	5179.6	4559.3	4043.6
67.5°	300.2	305.6	330.9	464.3	815.0	944.0	2938.2	4990.2	4972.2	4607.1	4016.5
70°	266.0	267.8	293.0	329.1	586.9	550.0	1483.1	4296.0	4270.8	4478.1	3847.9
72.5°	208.3	214.6	256.0	298.4	423.7	403.0	559.0	3042.8	3075.3	3806.5	3386.3
75°	147.9	152.4	193.8	260.6	316.5	308.3	315.6	1568.7	1664.3	2527.1	2481.1
77.5°	92.9	96.5	125.3	192.9	268.7	227.2	220.9	615.8	689.7	1236.1	1241.5
80°	64.0	64.9	77.5	129.8	192.9	186.6	149.7	246.1	248.8	448.1	430.1
82.5°	37.9	37.9	51.4	80.2	118.1	152.4	96.5	123.5	128.0	165.9	94.7
85°	13.5	14.4	27.9	46.0	65.8	80.2	57.7	67.6	70.3	85.6	45.1
87.5°	0.9	1.8	9.0	14.4	18.0	16.2	18.9	20.7	23.4	27.9	16.2
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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
2.5°	1.8	1.8	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9
5°	1.8	1.8	2.7	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9
7.5°	1.8	1.8	2.7	2.7	2.7	1.8	25.2	140.6	147.0	151.5	152.4
10°	5.4	3.6	2.7	2.7	2.7	146.1	151.5	147.9	145.2	142.4	143.4
12.5°	137.9	137.9	125.3	81.1	136.1	149.7	141.5	132.5	125.3	117.2	118.1
15°	265.1	263.3	232.6	200.2	229.0	147.0	121.7	161.4	137.9	121.7	119.0
17.5°	294.8	285.8	249.7	319.2	284.0	167.7	140.6	95.6	68.5	62.2	61.3
20°	424.6	412.9	364.2	386.8	259.7	193.8	84.7	54.1	48.7	58.6	60.4
22.5°	546.4	530.1	455.3	400.3	292.1	119.0	59.5	59.5	58.6	56.8	55.9
25°	702.3	673.5	610.4	419.2	231.7	78.4	64.9	53.2	47.8	44.2	44.2
27.5°	862.8	824.0	699.6	446.3	152.4	73.0	57.7	45.1	47.8	46.0	46.0
30°	1097.2	1044.0	815.0	417.4	99.2	67.6	48.7	44.2	38.8	37.0	36.1
32.5°	1339.7	1242.4	928.6	363.3	78.4	57.7	45.1	36.1	35.2	36.1	36.1
35°	1494.8	1403.8	1051.2	264.2	68.5	50.5	37.0	33.4	30.7	29.8	29.8
37.5°	1680.5	1567.8	1062.1	171.3	59.5	41.5	31.6	27.9	27.9	28.9	28.9
40°	1903.2	1779.7	1018.8	105.5	51.4	34.3	27.0	25.2	24.3	24.3	24.3
42.5°	2153.0	1997.0	958.4	79.3	43.3	28.9	22.5	21.6	20.7	20.7	20.7
45°	2419.8	2216.1	875.4	65.8	36.1	24.3	18.9	18.0	18.0	17.1	17.1
47.5°	2696.6	2450.5	750.1	57.7	29.8	19.8	16.2	15.3	14.4	14.4	14.4
50°	2933.7	2665.1	596.8	49.6	25.2	17.1	12.6	11.7	11.7	10.8	10.8
52.5°	3149.2	2847.2	473.3	42.4	20.7	13.5	9.9	9.0	9.0	8.1	8.1
55°	3315.1	2982.4	353.4	35.2	17.1	10.8	7.2	6.3	6.3	5.4	6.3
57.5°	3454.8	3065.4	267.8	28.9	14.4	8.1	5.4	4.5	3.6	3.6	3.6
60°	3587.4	3132.1	197.4	22.5	11.7	6.3	3.6	2.7	1.8	1.8	1.8
62.5°	3729.8	3191.6	156.0	18.0	9.9	4.5	1.8	1.8	0.0	0.0	0.0
65°	3837.1	3228.5	120.8	14.4	8.1	2.7	1.8	0.9	0.0	0.0	0.0
67.5°	3840.7	3181.7	94.7	11.7	7.2	2.7	0.9	0.0	0.0	0.0	0.0
70°	3702.8	2982.4	70.3	10.8	6.3	2.7	1.8	0.9	0.0	0.0	0.0
72.5°	3208.7	2341.4	50.5	9.0	5.4	2.7	1.8	0.9	0.9	0.0	0.0
75°	2320.7	1383.9	35.2	8.1	5.4	2.7	2.7	1.8	1.8	1.8	0.0
77.5°	1190.1	575.2	23.4	7.2	4.5	1.8	3.6	2.7	2.7	2.7	0.9
80°	348.9	198.3	14.4	6.3	4.5	1.8	3.6	3.6	3.6	3.6	0.9
82.5°	66.7	38.8	9.0	6.3	4.5	1.8	3.6	3.6	3.6	4.5	0.0
85°	26.1	15.3	6.3	5.4	4.5	1.8	3.6	3.6	4.5	4.5	0.0
87.5°	9.0	7.2	5.4	4.5	4.5	1.8	3.6	3.6	3.6	4.5	0.9
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)