

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: P417389

Luminaire Tested: **LXF.LXT-PA1-90-830-U-T2U-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P417389
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-PA1-90-830-U-T2U-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 5792 lumens
Efficiency: N/A
Efficacy: 61.6 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

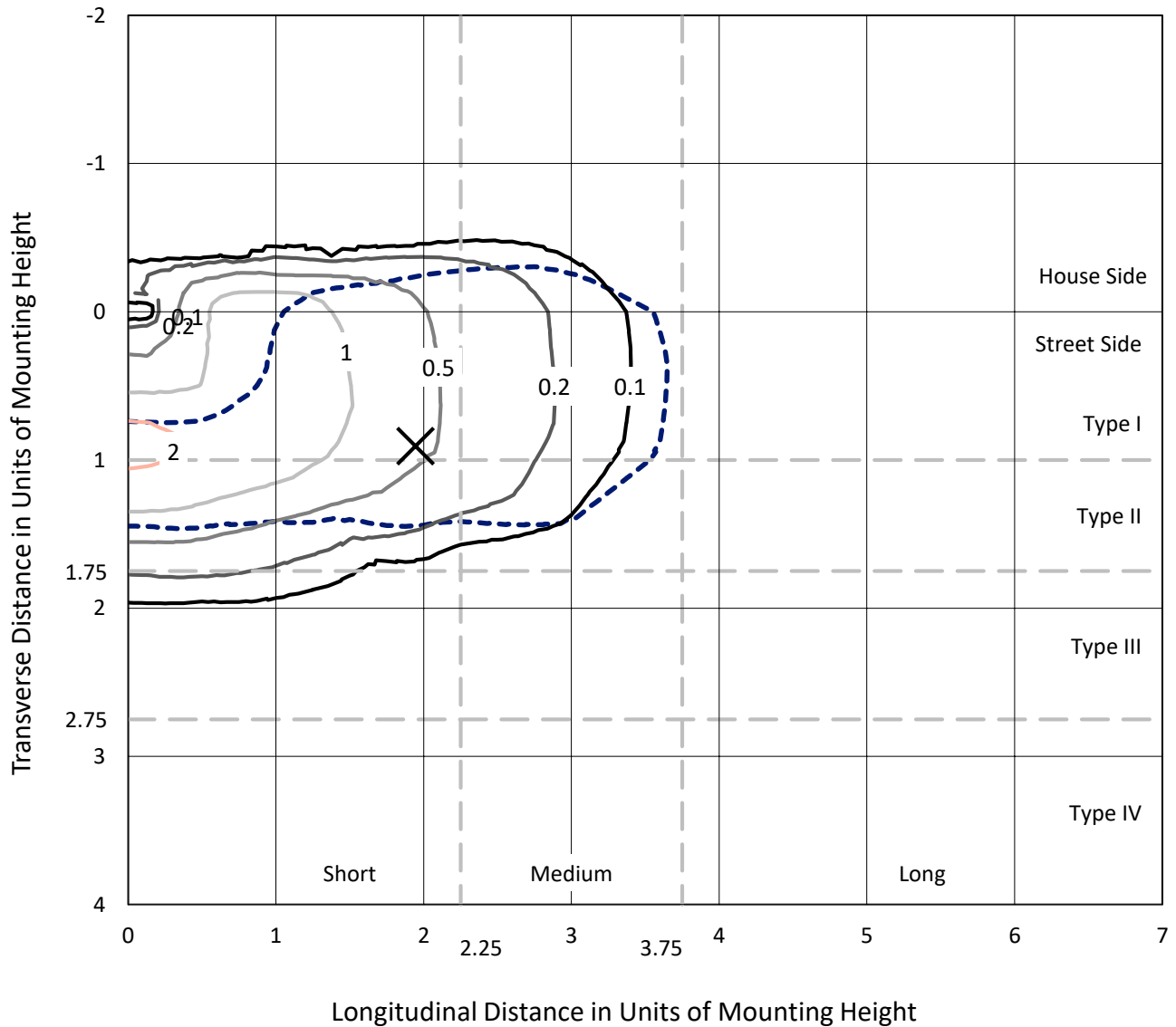
Input Watts (W): 94
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

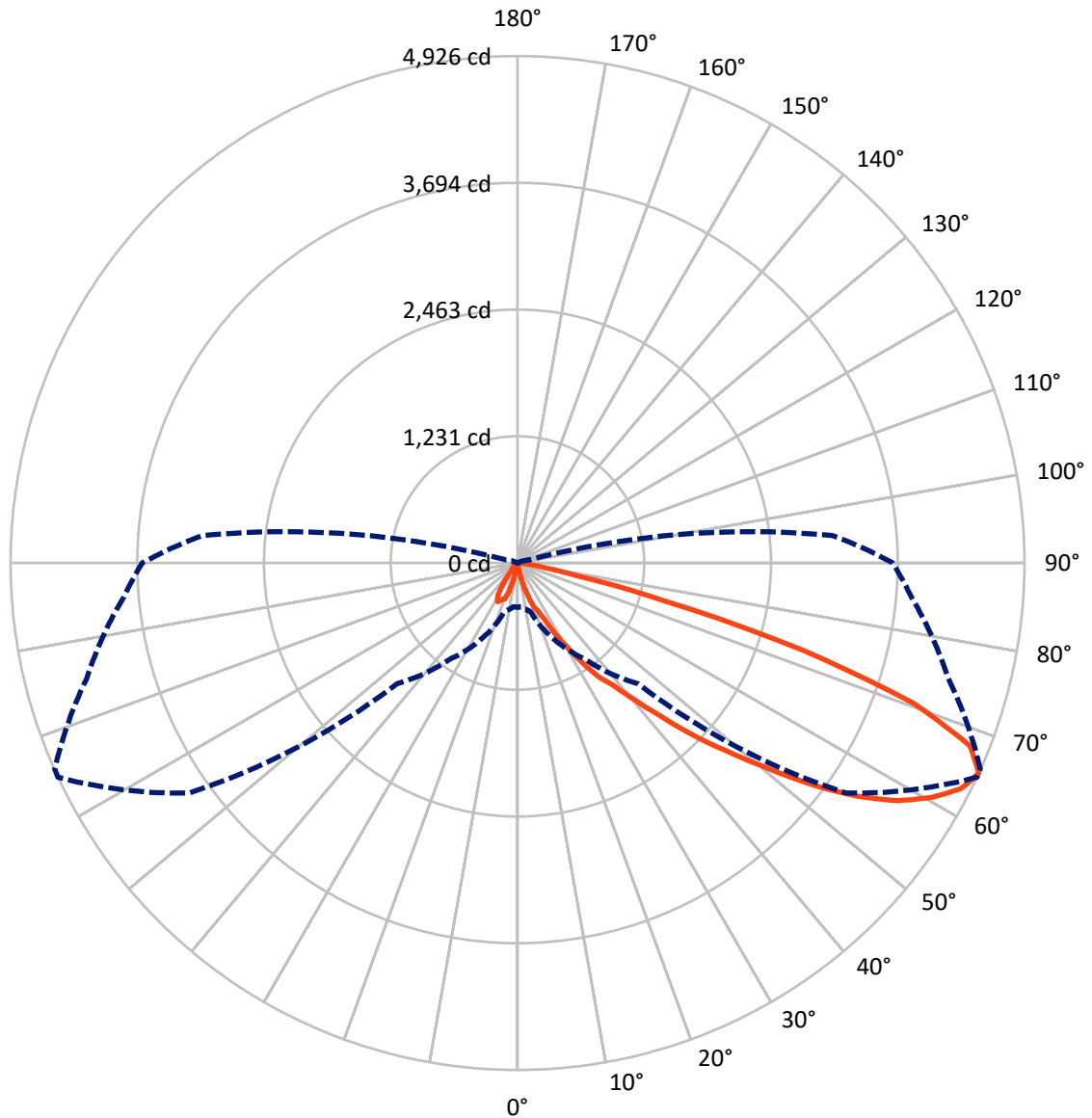
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 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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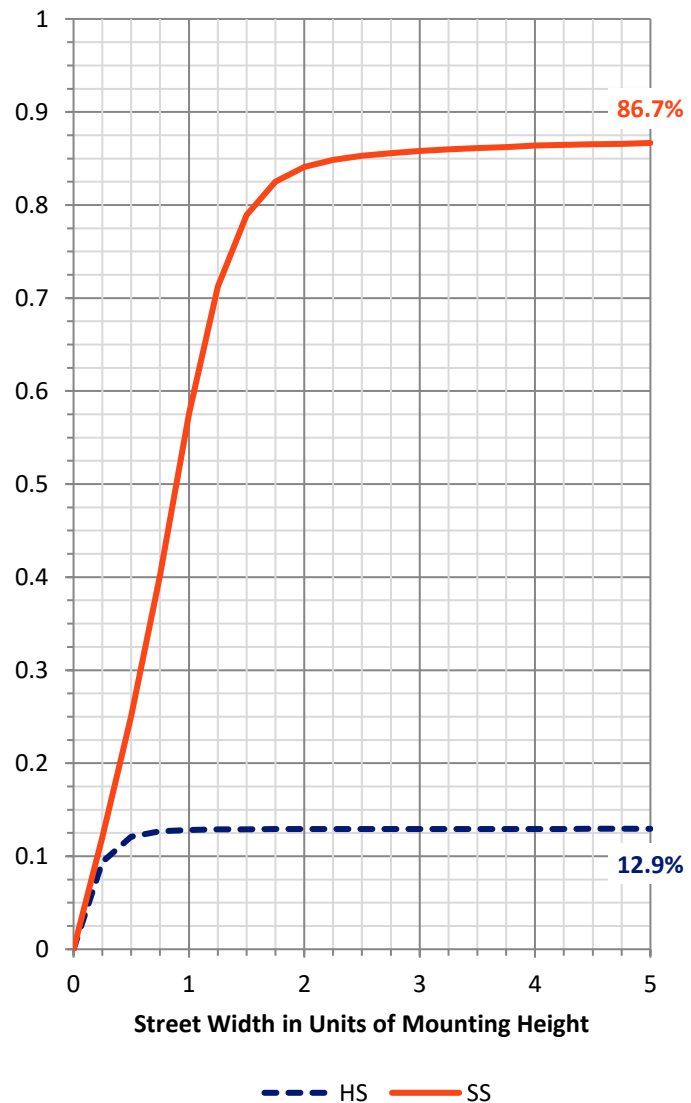
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	760.0	0.0	760.0
	% Fixture	13.1	0.0	13.1
Street Side	Lumens	5032.0	0.0	5032.0
	% Fixture	86.9	0.0	86.9
Total	Lumens	5792.0	0.0	5792.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.1
10°-20°	60.2	1.0
20°-30°	204.3	3.5
30°-40°	574.7	9.9
40°-50°	1275.1	22.0
50°-60°	1709.8	29.5
60°-70°	1362.1	23.5
70°-80°	561.2	9.7
80°-90°	40.2	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°	5792.0	100.0
0°-180°	5792.0	100.0



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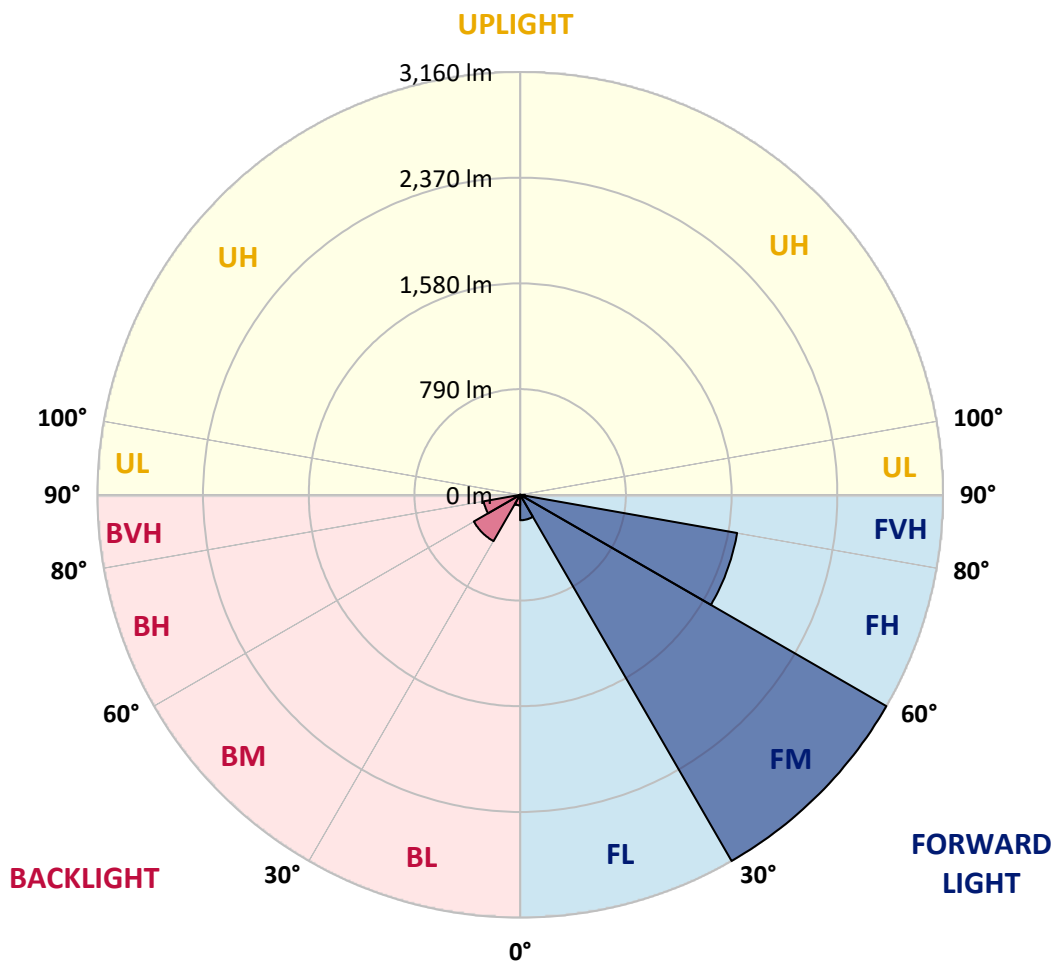
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	190.0	3.3			
FM	(30°-60°)	3159.9	54.6			
FH	(60°-80°)	1646.4	28.4			G1/1800
FVH	(80°-90°)	35.7	0.6			G1/100
BL	(0°-30°)	79.1	1.4	B0/110		
BM	(30°-60°)	399.6	6.9	B1/1000		
BH	(60°-80°)	276.8	4.8	B1/500		G1/500
BVH	(80°-90°)	4.4	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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	0.9	0.9	0.9	2.6	2.6	2.6	2.6	1.7	1.7	1.7	1.7
5°	24.8	23.1	17.1	9.4	5.1	3.4	2.6	1.7	1.7	1.7	1.7
7.5°	173.1	172.2	172.2	173.9	174.8	62.5	6.0	2.6	2.6	1.7	1.7
10°	166.2	165.4	165.4	167.9	170.5	171.4	164.5	4.3	3.4	1.7	1.7
12.5°	310.1	305.0	194.5	170.5	166.2	167.9	168.8	145.6	67.7	104.5	129.4
15°	311.0	308.4	311.0	315.3	251.9	175.6	256.2	250.2	250.2	184.2	252.7
17.5°	314.4	311.0	312.7	318.7	309.3	363.3	342.7	354.7	354.7	262.2	279.3
20°	464.4	463.5	470.4	344.4	384.7	450.7	373.5	458.4	466.9	389.8	403.5
22.5°	473.8	472.9	484.1	482.4	472.1	484.1	546.6	502.1	504.6	589.4	532.9
25°	659.7	644.3	522.6	513.2	620.3	574.9	655.4	604.9	599.7	712.8	676.0
27.5°	754.8	747.9	755.7	732.5	657.1	705.1	709.4	778.8	743.7	816.5	832.8
30°	917.6	921.9	883.3	844.8	861.0	818.2	853.3	946.7	942.4	925.3	1050.4
32.5°	1465.1	1420.5	1345.1	1047.0	981.0	950.1	1047.8	1153.2	1110.4	1173.8	1298.8
35°	1938.8	1839.5	1714.4	1501.9	1218.3	1136.1	1255.1	1358.8	1332.3	1459.9	1452.2
37.5°	2728.8	2682.5	2465.7	1923.4	1640.7	1417.1	1474.5	1499.3	1530.2	1675.8	1672.4
40°	3195.7	3142.6	2989.2	2560.0	2070.8	1758.1	1733.2	1746.1	1756.4	1902.9	1913.1
42.5°	3588.1	3564.1	3415.0	3003.8	2603.7	2310.7	2078.5	2027.9	2046.8	2195.0	2175.3
45°	3854.6	3826.3	3691.8	3404.8	3073.2	2922.4	2479.5	2380.9	2386.1	2468.3	2452.9
47.5°	3912.8	3879.4	3819.4	3660.1	3547.8	3425.3	2981.5	2721.9	2780.2	2784.5	2732.2
50°	3705.5	3664.4	3714.9	3677.2	3848.6	3910.2	3489.6	3119.5	3219.7	3128.0	2983.2
52.5°	3192.3	3205.1	3361.1	3475.0	3859.7	4249.5	4035.3	3575.2	3642.9	3411.6	3220.6
55°	2535.1	2566.8	2824.7	3033.8	3597.5	4344.6	4430.3	3997.6	4024.2	3713.2	3412.5
57.5°	1866.9	1909.7	2226.7	2459.7	3089.5	4139.9	4623.9	4356.6	4408.9	3930.8	3546.1
60°	1148.9	1188.3	1547.3	1902.0	2371.5	3551.3	4649.6	4625.6	4685.6	4084.2	3680.6
62.5°	700.0	733.4	890.2	1321.1	1704.1	2684.2	4435.4	4832.1	4862.1	4239.2	3777.4
65°	430.9	425.0	488.4	802.8	1136.9	1659.5	3894.0	4925.5	4922.1	4332.6	3842.6
67.5°	285.3	290.4	314.4	441.2	774.5	897.0	2792.2	4742.2	4725.0	4378.0	3816.9
70°	252.7	254.5	278.4	312.7	557.7	522.6	1409.4	4082.4	4058.5	4255.5	3656.6
72.5°	197.9	203.9	243.3	283.6	402.7	383.0	531.2	2891.6	2922.4	3617.2	3218.0
75°	140.5	144.8	184.2	247.6	300.7	293.0	299.9	1490.8	1581.6	2401.5	2357.8
77.5°	88.2	91.7	119.1	183.3	255.3	215.9	209.9	585.2	655.4	1174.6	1179.8
80°	60.8	61.7	73.7	123.4	183.3	177.3	142.2	233.9	236.5	425.8	408.7
82.5°	36.0	36.0	48.8	76.3	112.2	144.8	91.7	117.4	121.7	157.6	90.0
85°	12.9	13.7	26.6	43.7	62.5	76.3	54.8	64.3	66.8	81.4	42.8
87.5°	0.9	1.7	8.6	13.7	17.1	15.4	18.0	19.7	22.3	26.6	15.4
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
2.5°	1.7	1.7	2.6	2.6	2.6	1.7	0.9	0.9	0.9	0.9	0.9
5°	1.7	1.7	2.6	2.6	2.6	1.7	0.9	0.9	0.9	0.9	0.9
7.5°	1.7	1.7	2.6	2.6	2.6	1.7	24.0	133.7	139.7	143.9	144.8
10°	5.1	3.4	2.6	2.6	2.6	138.8	143.9	140.5	137.9	135.4	136.2
12.5°	131.1	131.1	119.1	77.1	129.4	142.2	134.5	125.9	119.1	111.4	112.2
15°	251.9	250.2	221.0	190.2	217.6	139.7	115.7	153.4	131.1	115.7	113.1
17.5°	280.2	271.6	237.3	303.3	269.9	159.4	133.7	90.8	65.1	59.1	58.3
20°	403.5	392.4	346.1	367.5	246.7	184.2	80.5	51.4	46.3	55.7	57.4
22.5°	519.2	503.8	432.7	380.4	277.6	113.1	56.5	56.5	55.7	54.0	53.1
25°	667.4	640.0	580.0	398.4	220.2	74.5	61.7	50.5	45.4	42.0	42.0
27.5°	819.9	783.1	664.8	424.1	144.8	69.4	54.8	42.8	45.4	43.7	43.7
30°	1042.7	992.1	774.5	396.7	94.2	64.3	46.3	42.0	36.8	35.1	34.3
32.5°	1273.1	1180.6	882.5	345.3	74.5	54.8	42.8	34.3	33.4	34.3	34.3
35°	1420.5	1334.0	999.0	251.0	65.1	48.0	35.1	31.7	29.1	28.3	28.3
37.5°	1597.0	1489.9	1009.3	162.8	56.5	39.4	30.0	26.6	26.6	27.4	27.4
40°	1808.6	1691.2	968.1	100.2	48.8	32.6	25.7	24.0	23.1	23.1	23.1
42.5°	2045.9	1897.7	910.7	75.4	41.1	27.4	21.4	20.6	19.7	19.7	19.7
45°	2299.5	2105.9	831.9	62.5	34.3	23.1	18.0	17.1	17.1	16.3	16.3
47.5°	2562.6	2328.7	712.8	54.8	28.3	18.8	15.4	14.6	13.7	13.7	13.7
50°	2787.9	2532.6	567.2	47.1	24.0	16.3	12.0	11.1	11.1	10.3	10.3
52.5°	2992.7	2705.6	449.8	40.3	19.7	12.9	9.4	8.6	8.6	7.7	7.7
55°	3150.3	2834.2	335.8	33.4	16.3	10.3	6.9	6.0	6.0	5.1	6.0
57.5°	3283.1	2913.0	254.5	27.4	13.7	7.7	5.1	4.3	3.4	3.4	3.4
60°	3409.0	2976.4	187.6	21.4	11.1	6.0	3.4	2.6	1.7	1.7	1.7
62.5°	3544.4	3032.9	148.2	17.1	9.4	4.3	1.7	1.7	0.0	0.0	0.0
65°	3646.4	3068.0	114.8	13.7	7.7	2.6	1.7	0.9	0.0	0.0	0.0
67.5°	3649.8	3023.5	90.0	11.1	6.9	2.6	0.9	0.0	0.0	0.0	0.0
70°	3518.7	2834.2	66.8	10.3	6.0	2.6	1.7	0.9	0.0	0.0	0.0
72.5°	3049.2	2225.0	48.0	8.6	5.1	2.6	1.7	0.9	0.9	0.0	0.0
75°	2205.3	1315.1	33.4	7.7	5.1	2.6	2.6	1.7	1.7	1.7	0.0
77.5°	1130.9	546.6	22.3	6.9	4.3	1.7	3.4	2.6	2.6	2.6	0.9
80°	331.6	188.5	13.7	6.0	4.3	1.7	3.4	3.4	3.4	3.4	0.9
82.5°	63.4	36.8	8.6	6.0	4.3	1.7	3.4	3.4	3.4	4.3	0.0
85°	24.8	14.6	6.0	5.1	4.3	1.7	3.4	3.4	4.3	4.3	0.0
87.5°	8.6	6.9	5.1	4.3	4.3	1.7	3.4	3.4	3.4	4.3	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)