

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: P414043

Luminaire Tested: **LXF.LXT-PA1-100-830-U-SL3-HSS**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414043
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-6)
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-SL3-HSS
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6683 lumens
Efficiency: N/A
Efficacy: 69.6 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

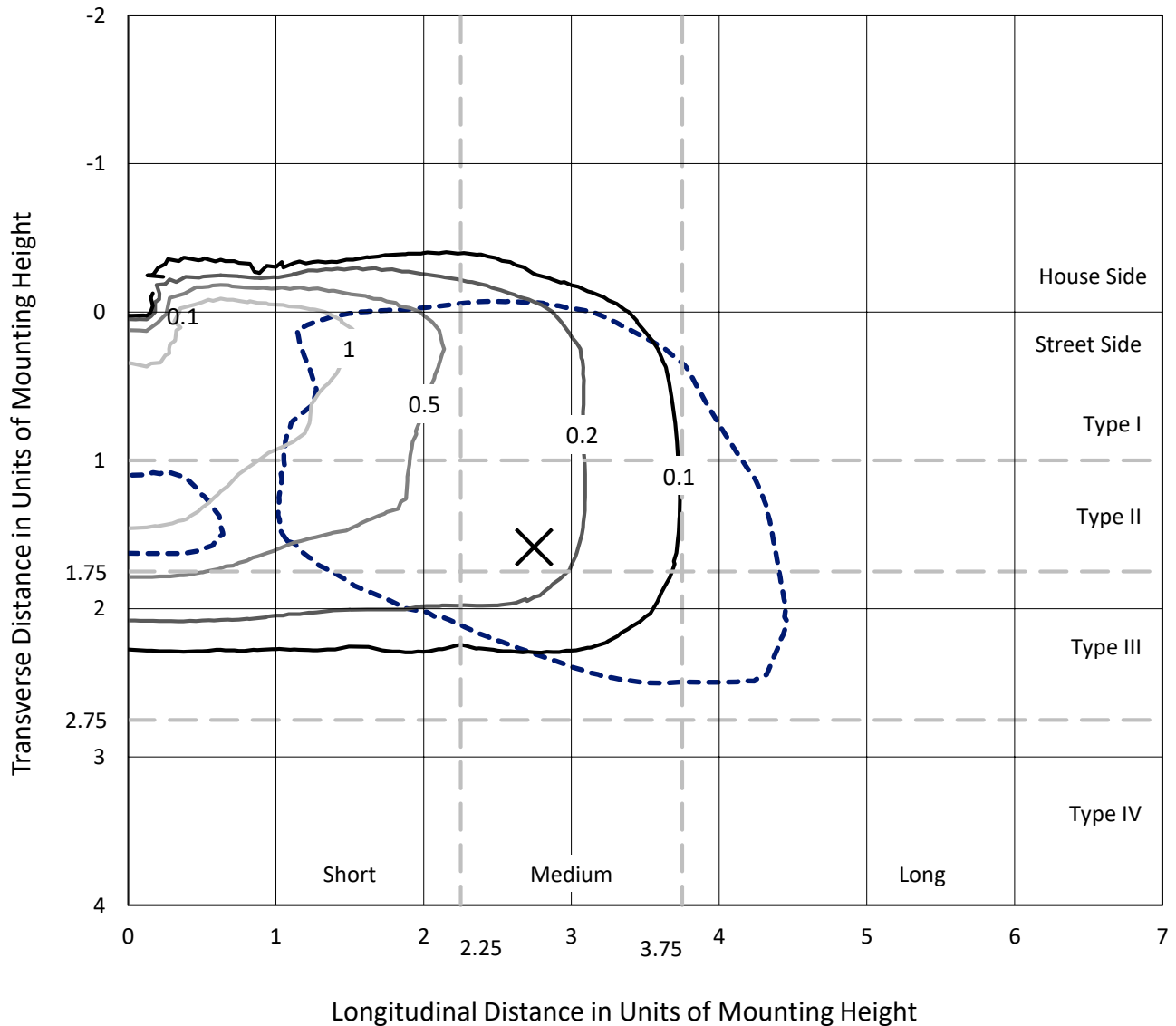
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

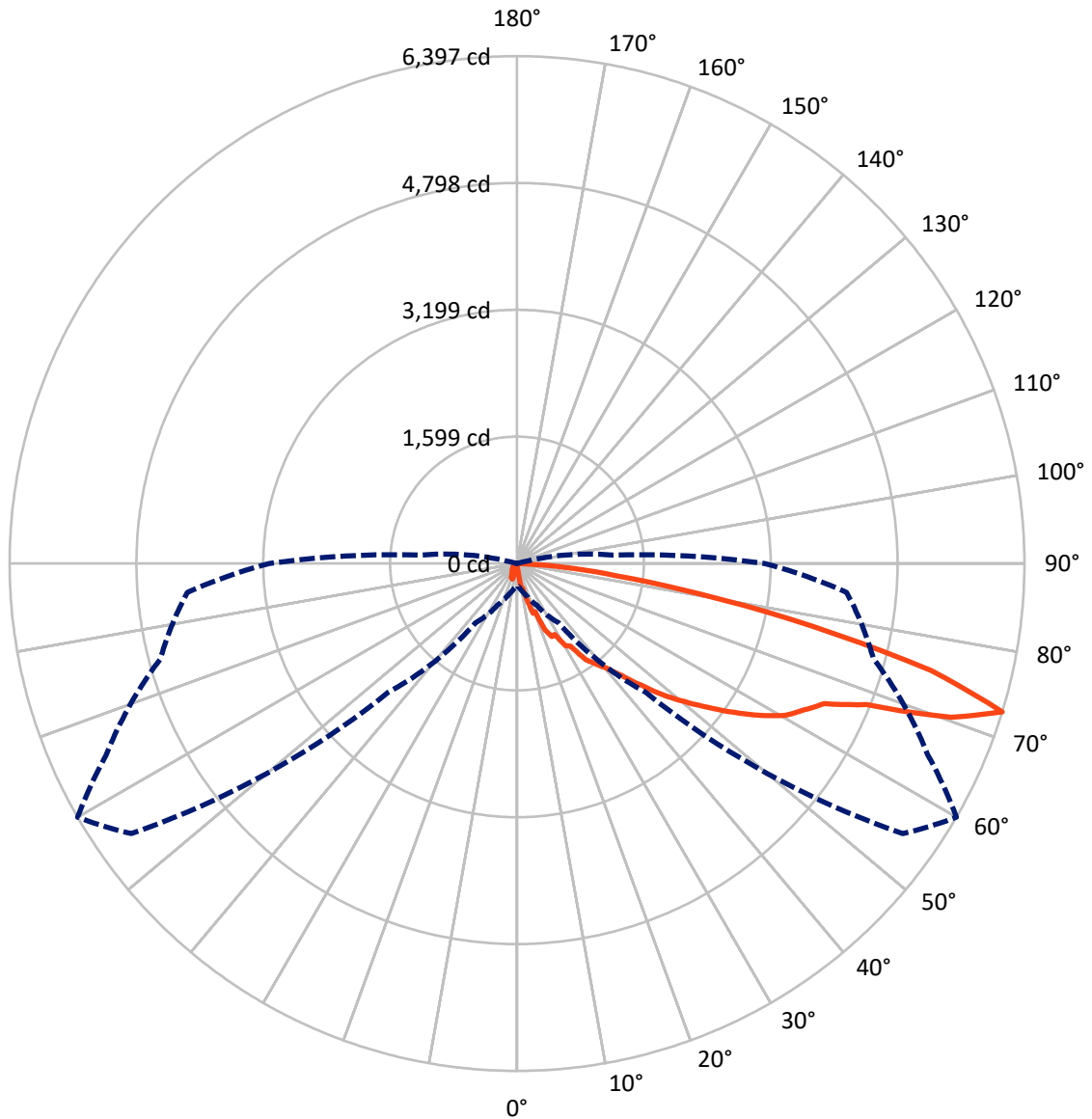
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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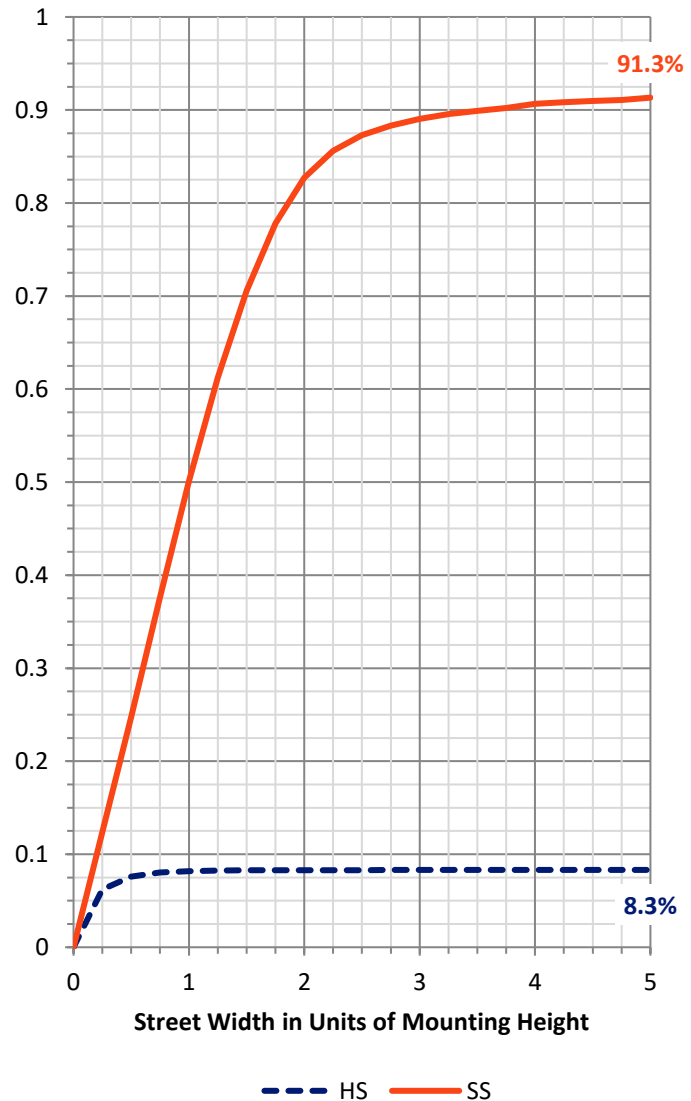
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	560.5	0.0	560.5
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	6122.5	0.0	6122.5
	% Fixture	91.6	0.0	91.6
Total	Lumens	6683.0	0.0	6683.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.0	0.1
10°-20°	93.1	1.4
20°-30°	291.1	4.4
30°-40°	627.6	9.4
40°-50°	1067.0	16.0
50°-60°	1577.4	23.6
60°-70°	1715.9	25.7
70°-80°	1169.4	17.5
80°-90°	132.6	2.0
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°	6683.0	100.0
0°-180°	6683.0	100.0

Coefficient of Utilization



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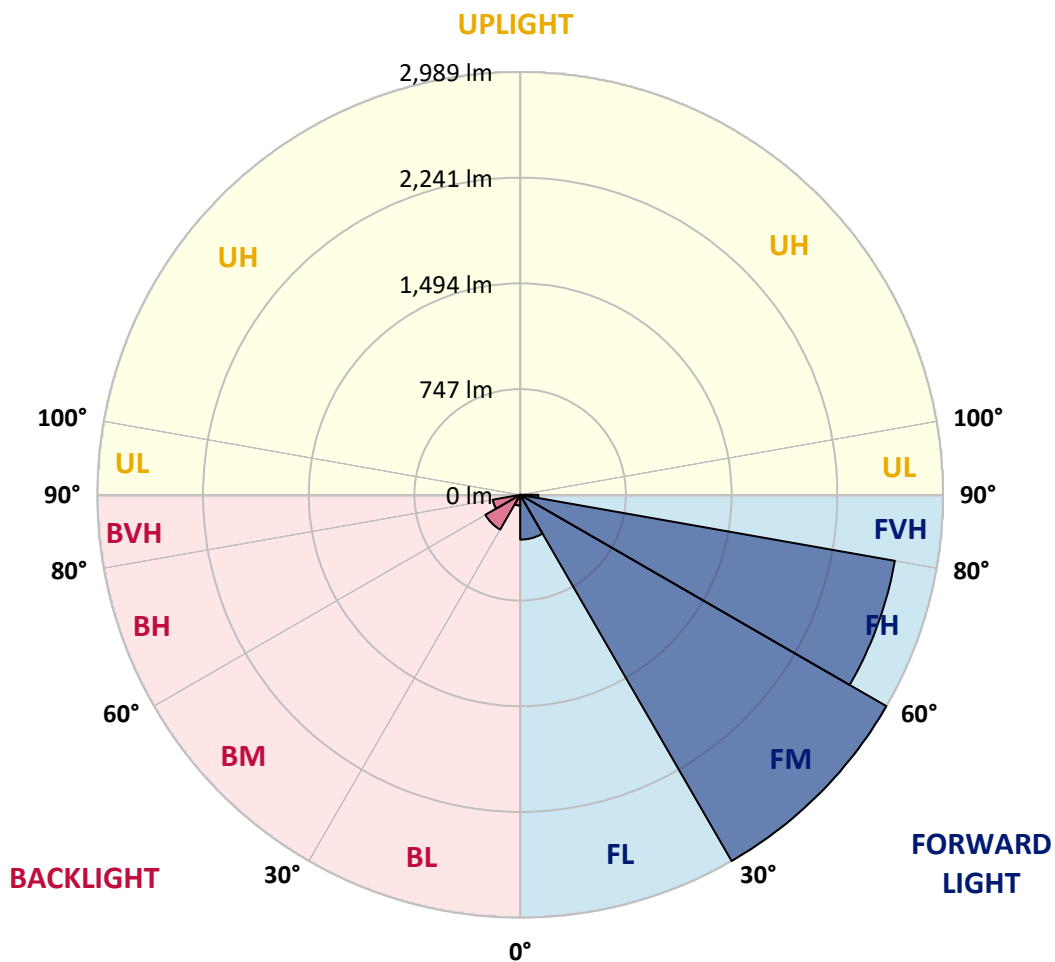
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	316.5	4.7			
FM	(30°-60°)	2988.5	44.7			
FH	(60°-80°)	2688.8	40.2			G2/5000
FVH	(80°-90°)	128.6	1.9			G2/225
BL	(0°-30°)	76.6	1.1	B0/110		
BM	(30°-60°)	283.5	4.2	B1/1000		
BH	(60°-80°)	196.4	2.9	B1/500		G1/500
BVH	(80°-90°)	4.0	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-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	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°	6.1	4.3	4.3	3.5	2.6	2.6	2.6	3.5	3.5	2.6	3.5
5°	341.8	337.5	337.5	339.2	220.4	37.3	20.8	8.7	3.5	3.5	3.5
7.5°	324.5	321.0	322.8	327.1	329.7	334.0	334.0	102.4	33.0	3.5	3.5
10°	332.3	329.7	315.8	313.2	318.4	322.8	324.5	332.3	322.8	9.5	3.5
12.5°	584.8	580.4	580.4	588.2	341.8	312.3	315.8	323.6	279.4	36.4	20.0
15°	559.6	556.1	557.0	566.6	579.6	411.3	324.5	480.7	616.9	557.0	442.5
17.5°	780.9	672.4	581.3	553.5	556.1	574.4	629.0	661.1	627.3	634.2	482.4
20°	797.3	791.3	787.8	793.9	569.2	757.4	799.9	649.0	631.6	679.3	890.2
22.5°	825.1	811.2	783.5	780.0	876.3	746.2	774.8	907.5	931.8	995.2	926.6
25°	1117.5	1107.1	1078.5	820.8	898.9	857.2	976.9	1021.2	1006.4	1048.1	1004.7
27.5°	1227.7	1207.7	1146.1	1065.4	954.4	1010.8	988.2	1012.5	1111.4	1443.7	1416.8
30°	1720.5	1667.6	1497.5	1226.8	1134.8	1052.4	1149.6	1200.8	1284.1	1477.6	1452.4
32.5°	1869.7	1813.3	1690.1	1561.7	1344.8	1193.0	1265.0	1242.4	1302.3	1802.9	1907.0
35°	2304.4	2278.4	2056.3	1699.7	1644.1	1407.3	1328.3	1483.6	1572.1	1828.1	2004.2
37.5°	2309.6	2311.3	2298.3	2057.1	1802.9	1581.7	1596.4	1602.5	1671.0	1947.8	2117.0
40°	2383.4	2395.5	2427.6	2245.4	2031.1	1834.1	1795.1	1734.4	1795.1	2082.3	2271.4
42.5°	2537.8	2546.5	2617.6	2427.6	2211.6	2031.1	2051.1	1927.0	1971.2	2336.5	2481.4
45°	2809.4	2804.1	2893.5	2619.3	2379.9	2255.8	2278.4	2182.9	2156.0	2544.7	2727.8
47.5°	3116.5	3135.6	3132.1	2831.0	2547.3	2464.9	2530.0	2478.8	2372.9	2810.2	3015.0
50°	3407.1	3401.1	3310.8	2950.8	2696.6	2669.7	2819.8	2735.6	2639.3	3080.0	3291.7
52.5°	3513.0	3518.2	3410.6	3022.8	2824.1	2872.7	3097.4	3012.4	2887.4	3272.7	3566.8
55°	3493.9	3500.8	3440.1	3096.5	2919.5	3062.7	3385.5	3312.6	3172.0	3481.8	3773.3
57.5°	3315.2	3315.2	3364.6	3142.5	3012.4	3232.8	3642.3	3612.8	3439.2	3655.3	3896.5
60°	2858.8	2907.4	3062.7	3087.0	3121.7	3416.7	3896.5	3886.9	3676.1	3817.5	3969.4
62.5°	2198.5	2214.2	2557.7	2818.0	3130.4	3664.0	4110.8	4064.8	3851.4	3867.0	4020.5
65°	1246.8	1317.9	1635.5	2293.1	2952.5	3922.5	4455.2	4258.3	4004.9	3926.0	4208.8
67.5°	671.5	697.6	874.6	1388.2	2419.8	3951.1	5236.1	4749.4	4369.3	4236.6	4577.6
70°	433.8	461.6	557.0	762.6	1517.5	3493.9	5971.0	5807.0	5121.6	4661.7	4634.0
72.5°	282.0	298.5	401.7	574.4	912.7	2301.8	5937.1	6397.0	5715.9	4653.9	4171.5
75°	114.5	125.8	201.3	478.1	771.3	1127.9	4555.0	5394.0	5366.2	4135.9	3228.4
77.5°	57.3	60.7	89.4	258.6	684.6	780.9	2882.2	3804.5	3820.1	3015.0	1795.1
80°	37.3	36.4	51.2	121.5	466.8	710.6	1612.0	2337.4	2185.5	1143.5	503.2
82.5°	14.7	15.6	27.8	69.4	195.2	642.9	919.7	1258.0	983.9	223.0	144.9
85°	2.6	2.6	8.7	37.3	61.6	294.1	593.5	609.1	404.3	70.3	72.9
87.5°	0.9	0.9	1.7	2.6	4.3	6.9	26.0	12.1	7.8	12.1	13.9
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°	3.5	3.5	3.5	2.6	2.6	1.7	0.0	0.0	0.9	0.9	0.9
5°	3.5	3.5	3.5	2.6	2.6	0.9	0.0	0.0	0.9	0.9	0.9
7.5°	3.5	3.5	3.5	2.6	1.7	0.9	0.0	0.0	0.9	0.9	0.9
10°	3.5	3.5	3.5	2.6	1.7	0.9	25.2	160.5	165.7	166.6	164.8
12.5°	21.7	22.6	12.1	2.6	1.7	149.2	148.4	124.1	108.5	102.4	94.6
15°	471.1	447.7	370.5	218.6	120.6	122.3	90.2	66.8	53.8	50.3	48.6
17.5°	466.8	432.9	341.0	199.6	210.0	92.0	48.6	53.8	70.3	71.1	71.1
20°	877.2	769.6	333.2	223.0	141.4	79.8	63.3	66.8	66.8	67.7	66.8
22.5°	914.5	806.9	498.9	284.6	101.5	84.2	72.0	62.5	64.2	83.3	80.7
25°	922.3	791.3	462.4	223.0	98.0	84.2	79.0	76.4	85.9	85.9	86.8
27.5°	1329.2	1112.3	560.5	167.5	97.2	87.6	87.6	79.8	77.2	76.4	77.2
30°	1326.6	1074.1	478.1	141.4	93.7	86.8	79.0	71.1	85.9	86.8	86.8
32.5°	1741.3	1373.4	462.4	114.5	93.7	79.8	69.4	73.7	68.5	68.5	68.5
35°	1765.6	1338.7	364.4	118.9	83.3	72.9	67.7	57.3	60.7	61.6	59.9
37.5°	1812.5	1314.4	276.8	107.6	83.3	67.7	55.5	51.2	47.7	46.9	46.9
40°	1896.6	1316.2	213.4	98.9	78.1	61.6	49.5	41.6	43.4	43.4	42.5
42.5°	2022.4	1341.3	167.5	91.1	70.3	54.7	41.6	37.3	34.7	34.7	33.8
45°	2189.0	1395.1	137.1	85.0	64.2	46.9	33.8	30.4	27.8	27.8	26.9
47.5°	2395.5	1470.6	119.7	79.0	57.3	39.0	27.8	24.3	22.6	21.7	21.7
50°	2615.9	1560.8	110.2	73.7	49.5	31.2	22.6	19.1	17.4	17.4	16.5
52.5°	2844.1	1664.1	102.4	70.3	42.5	26.0	17.4	13.9	13.0	12.1	13.0
55°	3028.9	1726.6	97.2	69.4	35.6	20.8	13.0	10.4	9.5	8.7	8.7
57.5°	3150.3	1760.4	90.2	64.2	28.6	15.6	9.5	6.9	6.1	6.1	6.1
60°	3245.8	1779.5	81.6	51.2	22.6	11.3	6.1	4.3	4.3	4.3	4.3
62.5°	3321.2	1792.5	68.5	39.9	17.4	7.8	4.3	2.6	2.6	2.6	2.6
65°	3545.1	1868.9	52.9	30.4	13.0	5.2	2.6	1.7	0.9	1.7	1.7
67.5°	3817.5	1901.0	39.0	21.7	9.5	3.5	1.7	0.9	0.9	0.9	1.7
70°	3709.9	1656.3	28.6	15.6	6.9	2.6	1.7	0.9	0.9	0.9	1.7
72.5°	3117.4	1210.3	20.8	11.3	5.2	2.6	1.7	0.9	0.9	1.7	1.7
75°	2241.9	682.8	16.5	7.8	4.3	2.6	1.7	1.7	1.7	2.6	2.6
77.5°	1055.0	254.2	16.5	6.9	4.3	2.6	1.7	1.7	2.6	3.5	1.7
80°	255.9	63.3	16.5	6.1	4.3	2.6	2.6	2.6	3.5	3.5	1.7
82.5°	85.9	26.9	12.1	5.2	4.3	2.6	2.6	3.5	3.5	4.3	2.6
85°	52.1	17.4	8.7	6.1	5.2	2.6	3.5	3.5	4.3	5.2	2.6
87.5°	8.7	6.9	6.1	6.1	5.2	3.5	3.5	4.3	4.3	5.2	3.5
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)