

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: P415465

Luminaire Tested: **LXF.LXT-PA1-50-730-U-T2U-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415465  
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-PA1-50-730-U-T2U-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 670mA 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: 4347 lumens  
Efficiency: N/A  
Efficacy: 80.5 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

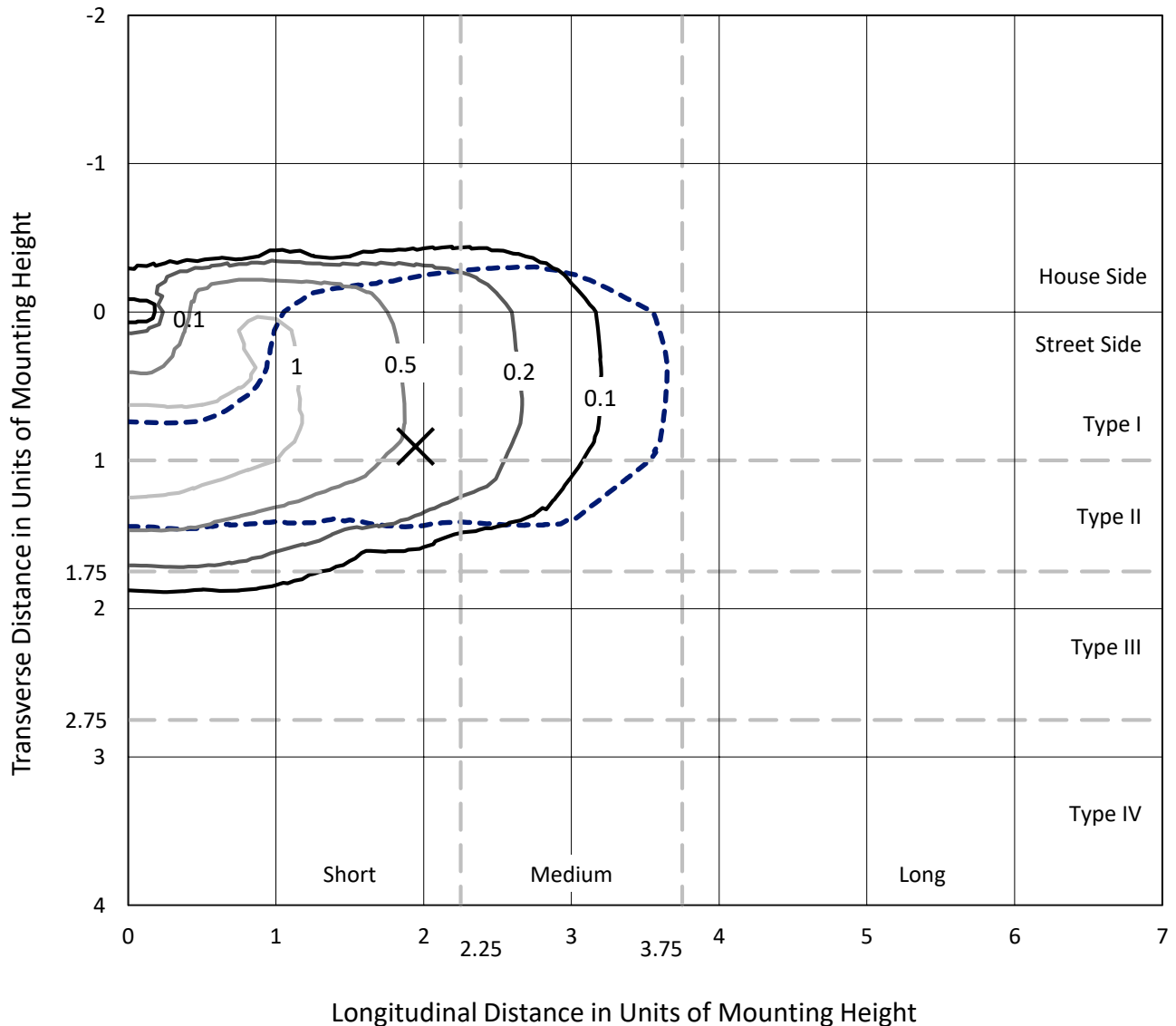
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

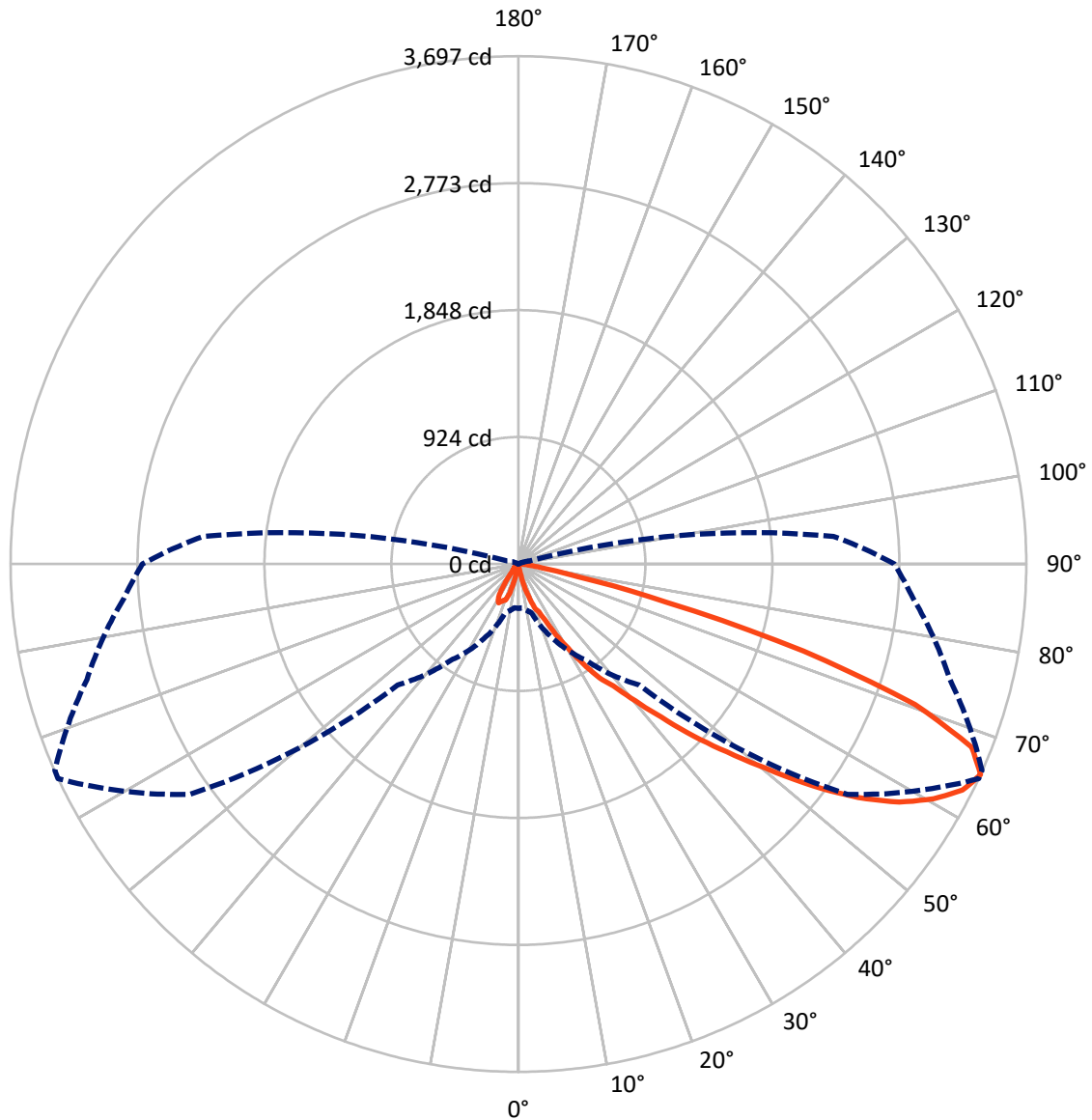
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T2U-HSS

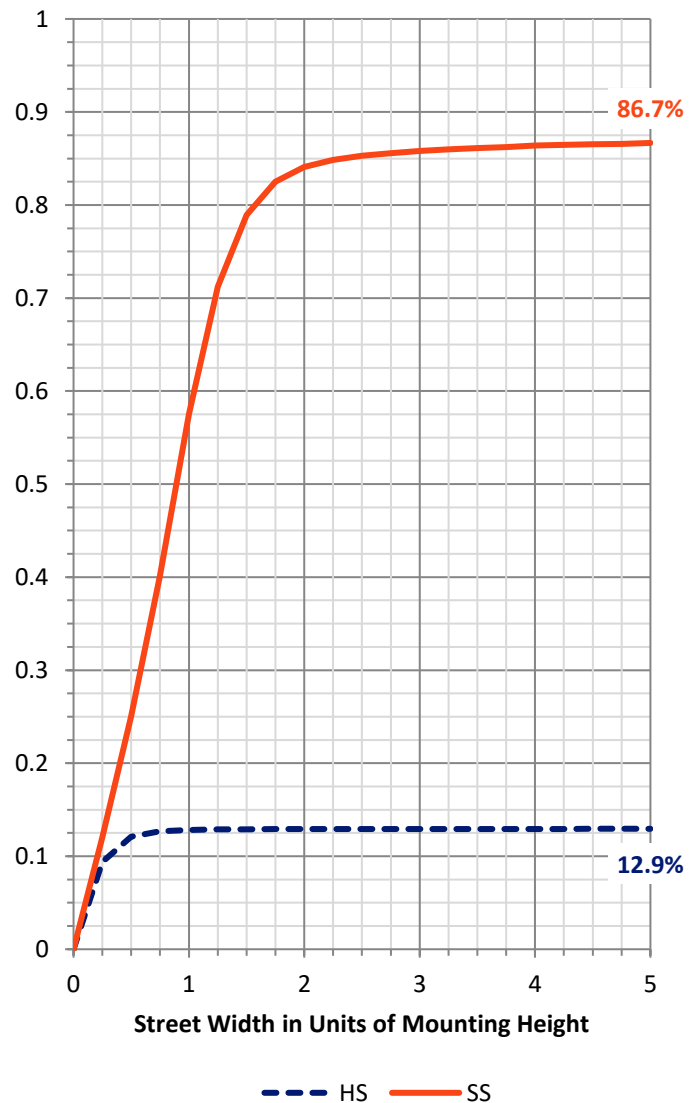
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	570.4	0.0	570.4
	% Fixture	13.1	0.0	13.1
<b>Street Side</b>	Lumens	3776.6	0.0	3776.6
	% Fixture	86.9	0.0	86.9
<b>Total</b>	Lumens	4347.0	0.0	4347.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	3.4	0.1
10°-20°	45.2	1.0
20°-30°	153.3	3.5
30°-40°	431.3	9.9
40°-50°	957.0	22.0
50°-60°	1283.2	29.5
60°-70°	1022.3	23.5
70°-80°	421.2	9.7
80°-90°	30.2	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°	4347.0	100.0
0°-180°	4347.0	100.0



REPORT NUMBER: P415465

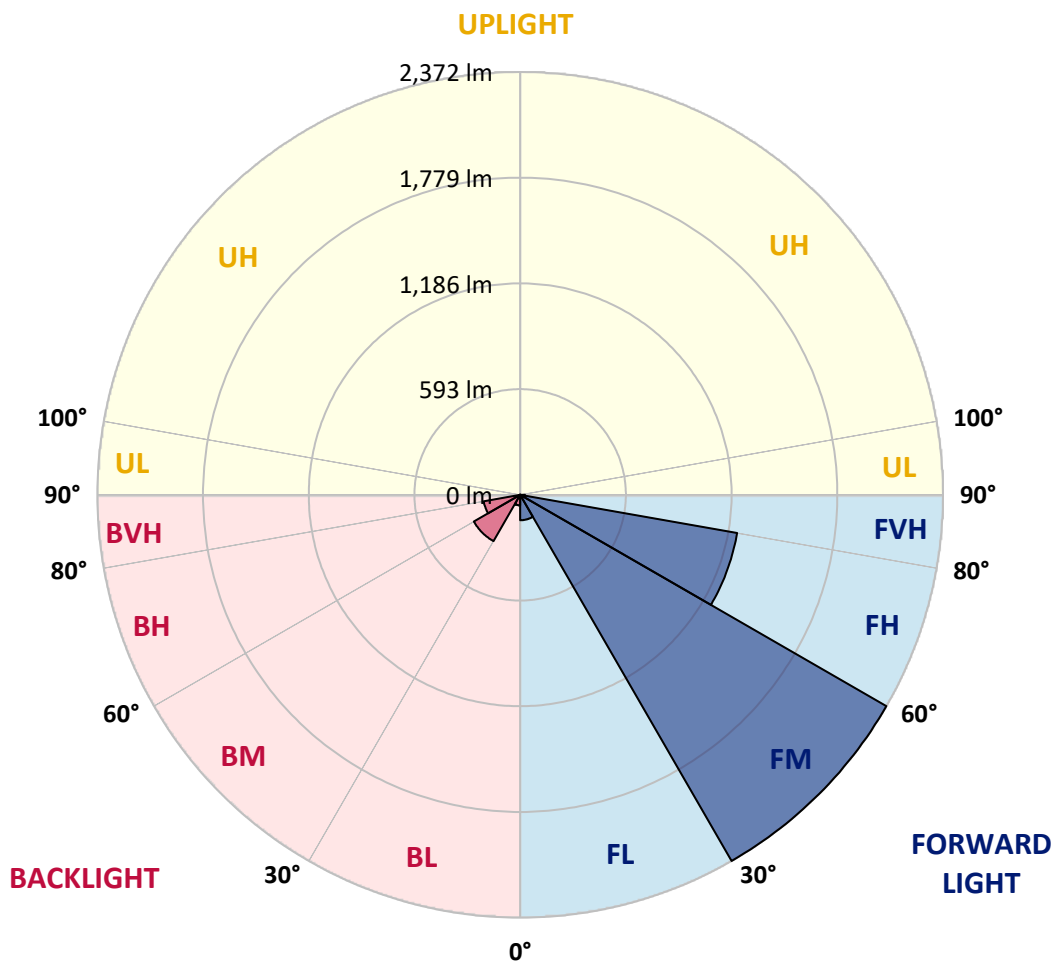
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	142.6	3.3			
FM	(30°-60°)	2371.6	54.6			
FH	(60°-80°)	1235.7	28.4			G1/1800
FVH	(80°-90°)	26.8	0.6			G1/100
BL	(0°-30°)	59.3	1.4	B0/110		
BM	(30°-60°)	299.9	6.9	B1/1000		
BH	(60°-80°)	207.8	4.8	B1/500		G1/500
BVH	(80°-90°)	3.3	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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	0.6	0.6	0.6	1.9	1.9	1.9	1.9	1.3	1.3	1.3	1.3
5°	18.6	17.4	12.9	7.1	3.9	2.6	1.9	1.3	1.3	1.3	1.3
7.5°	129.9	129.2	129.2	130.5	131.2	46.9	4.5	1.9	1.9	1.3	1.3
10°	124.7	124.1	124.1	126.0	128.0	128.6	123.5	3.2	2.6	1.3	1.3
12.5°	232.8	228.9	146.0	128.0	124.7	126.0	126.7	109.3	50.8	78.4	97.1
15°	233.4	231.5	233.4	236.6	189.0	131.8	192.3	187.8	187.8	138.2	189.7
17.5°	236.0	233.4	234.7	239.2	232.1	272.6	257.2	266.2	266.2	196.8	209.6
20°	348.5	347.9	353.0	258.5	288.7	338.2	280.4	344.0	350.4	292.6	302.9
22.5°	355.6	354.9	363.3	362.0	354.3	363.3	410.2	376.8	378.7	442.4	400.0
25°	495.1	483.5	392.2	385.2	465.5	431.5	491.9	454.0	450.1	535.0	507.3
27.5°	566.5	561.3	567.1	549.8	493.2	529.2	532.4	584.5	558.1	612.8	625.0
30°	688.7	691.9	662.9	634.0	646.2	614.1	640.4	710.5	707.3	694.5	788.3
32.5°	1099.5	1066.1	1009.5	785.8	736.2	713.1	786.4	865.5	833.3	880.9	974.8
35°	1455.1	1380.5	1286.7	1127.2	914.4	852.6	942.0	1019.8	999.9	1095.7	1089.9
37.5°	2048.0	2013.3	1850.6	1443.6	1231.4	1063.5	1106.6	1125.3	1148.4	1257.7	1255.2
40°	2398.4	2358.6	2243.5	1921.3	1554.2	1319.5	1300.8	1310.5	1318.2	1428.1	1435.8
42.5°	2692.9	2674.9	2563.0	2254.4	1954.1	1734.2	1559.9	1522.0	1536.2	1647.4	1632.6
45°	2892.9	2871.7	2770.7	2555.3	2306.5	2193.3	1860.9	1786.9	1790.8	1852.5	1840.9
47.5°	2936.6	2911.6	2866.5	2746.9	2662.7	2570.8	2237.7	2042.8	2086.6	2089.8	2050.6
50°	2781.0	2750.2	2788.1	2759.8	2888.4	2934.7	2619.0	2341.2	2416.4	2347.6	2239.0
52.5°	2395.9	2405.5	2522.5	2608.1	2896.8	3189.3	3028.6	2683.3	2734.1	2560.5	2417.1
55°	1902.7	1926.5	2120.0	2276.9	2700.0	3260.7	3325.0	3000.3	3020.2	2786.8	2561.1
57.5°	1401.1	1433.3	1671.2	1846.1	2318.7	3107.0	3470.3	3269.7	3308.9	2950.1	2661.4
60°	862.3	891.9	1161.3	1427.5	1779.9	2665.3	3489.6	3471.6	3516.6	3065.2	2762.4
62.5°	525.3	550.4	668.1	991.5	1279.0	2014.6	3328.9	3626.6	3649.1	3181.6	2835.0
65°	323.4	318.9	366.5	602.5	853.3	1245.5	2922.5	3696.7	3694.1	3251.7	2883.9
67.5°	214.1	218.0	236.0	331.2	581.3	673.2	2095.6	3559.1	3546.2	3285.8	2864.6
70°	189.7	191.0	209.0	234.7	418.6	392.2	1057.8	3064.0	3045.9	3193.8	2744.4
72.5°	148.5	153.0	182.6	212.8	302.2	287.4	398.7	2170.2	2193.3	2714.8	2415.2
75°	105.5	108.7	138.2	185.8	225.7	219.9	225.1	1118.8	1187.0	1802.4	1769.6
77.5°	66.2	68.8	89.4	137.6	191.6	162.0	157.5	439.2	491.9	881.6	885.4
80°	45.7	46.3	55.3	92.6	137.6	133.1	106.7	175.5	177.5	319.6	306.7
82.5°	27.0	27.0	36.7	57.2	84.2	108.7	68.8	88.1	91.3	118.3	67.5
85°	9.6	10.3	19.9	32.8	46.9	57.2	41.2	48.2	50.2	61.1	32.2
87.5°	0.6	1.3	6.4	10.3	12.9	11.6	13.5	14.8	16.7	19.9	11.6
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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CATALOG NUMBER: LXF.LXT-PA1-50-730-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	1.3	1.3	1.9	1.9	1.9	1.3	0.6	0.6	0.6	0.6	0.6
5°	1.3	1.3	1.9	1.9	1.9	1.3	0.6	0.6	0.6	0.6	0.6
7.5°	1.3	1.3	1.9	1.9	1.9	1.3	18.0	100.3	104.8	108.0	108.7
10°	3.9	2.6	1.9	1.9	1.9	104.2	108.0	105.5	103.5	101.6	102.2
12.5°	98.4	98.4	89.4	57.9	97.1	106.7	101.0	94.5	89.4	83.6	84.2
15°	189.0	187.8	165.9	142.7	163.3	104.8	86.8	115.1	98.4	86.8	84.9
17.5°	210.3	203.8	178.1	227.6	202.5	119.6	100.3	68.2	48.9	44.4	43.7
20°	302.9	294.5	259.8	275.9	185.2	138.2	60.4	38.6	34.7	41.8	43.1
22.5°	389.7	378.1	324.7	285.5	208.3	84.9	42.4	42.4	41.8	40.5	39.9
25°	500.9	480.3	435.3	299.0	165.3	55.9	46.3	37.9	34.1	31.5	31.5
27.5°	615.4	587.7	499.0	318.3	108.7	52.1	41.2	32.2	34.1	32.8	32.8
30°	782.5	744.6	581.3	297.7	70.7	48.2	34.7	31.5	27.6	26.4	25.7
32.5°	955.5	886.1	662.3	259.1	55.9	41.2	32.2	25.7	25.1	25.7	25.7
35°	1066.1	1001.2	749.8	188.4	48.9	36.0	26.4	23.8	21.9	21.2	21.2
37.5°	1198.6	1118.2	757.5	122.2	42.4	29.6	22.5	19.9	19.9	20.6	20.6
40°	1357.4	1269.3	726.6	75.2	36.7	24.4	19.3	18.0	17.4	17.4	17.4
42.5°	1535.5	1424.3	683.5	56.6	30.9	20.6	16.1	15.4	14.8	14.8	14.8
45°	1725.8	1580.5	624.4	46.9	25.7	17.4	13.5	12.9	12.9	12.2	12.2
47.5°	1923.2	1747.7	535.0	41.2	21.2	14.1	11.6	10.9	10.3	10.3	10.3
50°	2092.4	1900.7	425.7	35.4	18.0	12.2	9.0	8.4	8.4	7.7	7.7
52.5°	2246.0	2030.6	337.6	30.2	14.8	9.6	7.1	6.4	6.4	5.8	5.8
55°	2364.4	2127.1	252.1	25.1	12.2	7.7	5.1	4.5	4.5	3.9	4.5
57.5°	2464.0	2186.2	191.0	20.6	10.3	5.8	3.9	3.2	2.6	2.6	2.6
60°	2558.5	2233.8	140.8	16.1	8.4	4.5	2.6	1.9	1.3	1.3	1.3
62.5°	2660.1	2276.3	111.2	12.9	7.1	3.2	1.3	1.3	0.0	0.0	0.0
65°	2736.7	2302.6	86.2	10.3	5.8	1.9	1.3	0.6	0.0	0.0	0.0
67.5°	2739.2	2269.2	67.5	8.4	5.1	1.9	0.6	0.0	0.0	0.0	0.0
70°	2640.8	2127.1	50.2	7.7	4.5	1.9	1.3	0.6	0.0	0.0	0.0
72.5°	2288.5	1669.9	36.0	6.4	3.9	1.9	1.3	0.6	0.6	0.0	0.0
75°	1655.1	987.0	25.1	5.8	3.9	1.9	1.9	1.3	1.3	1.3	0.0
77.5°	848.8	410.2	16.7	5.1	3.2	1.3	2.6	1.9	1.9	1.9	0.6
80°	248.8	141.5	10.3	4.5	3.2	1.3	2.6	2.6	2.6	2.6	0.6
82.5°	47.6	27.6	6.4	4.5	3.2	1.3	2.6	2.6	2.6	3.2	0.0
85°	18.6	10.9	4.5	3.9	3.2	1.3	2.6	2.6	3.2	3.2	0.0
87.5°	6.4	5.1	3.9	3.2	3.2	1.3	2.6	2.6	2.6	3.2	0.6
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)