

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: P414287

Luminaire Tested: **LXF.LXT-PA1-20-740-U-T4W-HSS**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414287  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-27)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-740-U-T4W-HSS  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2081 lumens  
Efficiency: N/A  
Efficacy: 99.1 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type IV - Medium - Non-Cutoff  
BUG Rating: B0 - U0 - G1

Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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

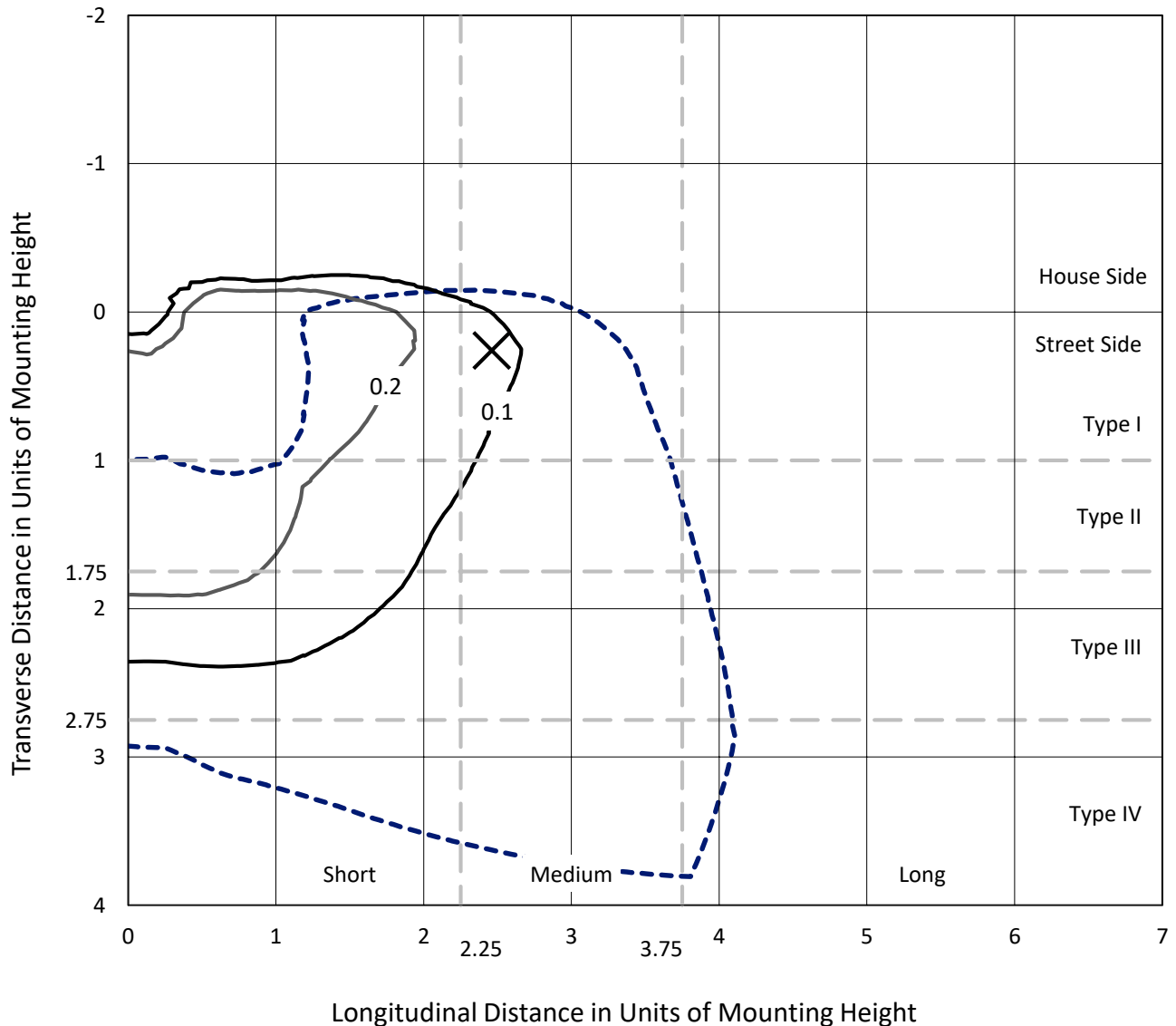


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### Iso-Footcandle Lines of Horizontal Illumination

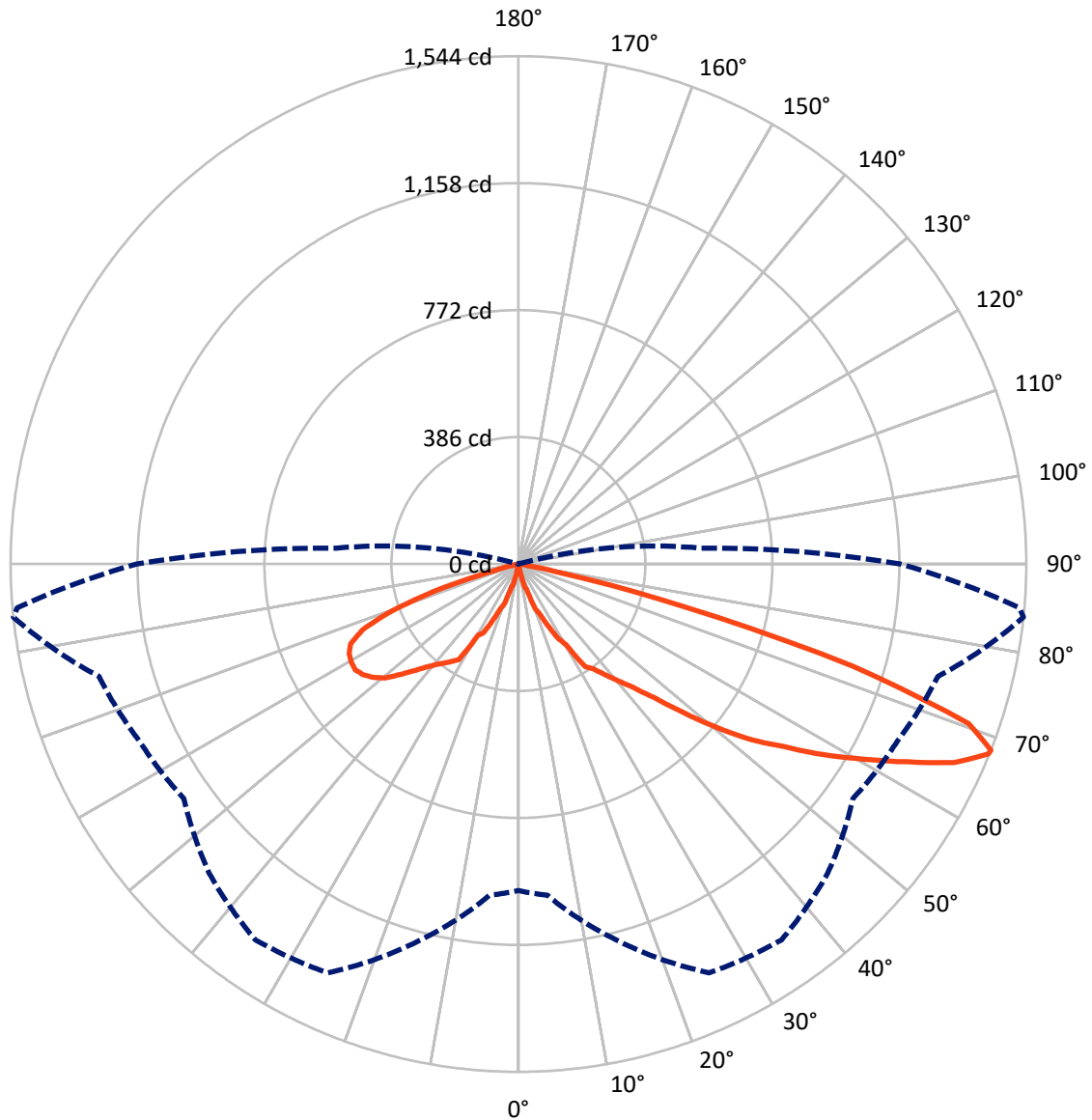
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc  
 Type IV - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 84-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical



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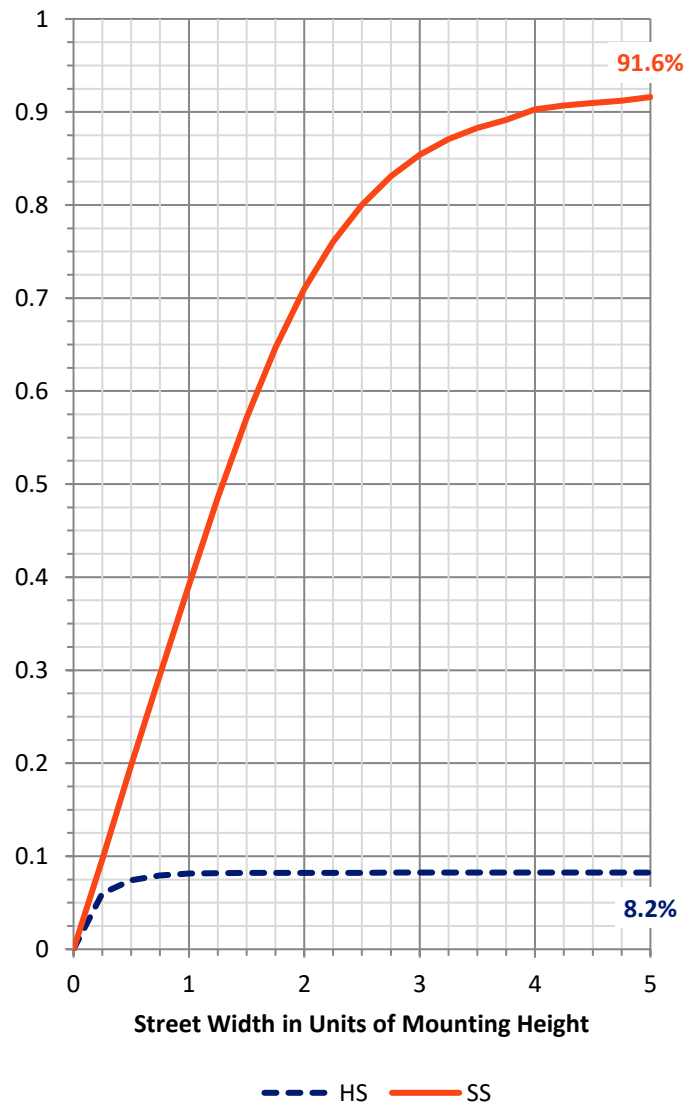
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	172.9	0.0	172.9
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	1908.1	0.0	1908.1
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	2081.0	0.0	2081.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1.4	0.1
10°-20°	18.8	0.9
20°-30°	67.5	3.2
30°-40°	144.1	6.9
40°-50°	257.5	12.4
50°-60°	456.9	22.0
60°-70°	656.6	31.6
70°-80°	442.0	21.2
80°-90°	36.3	1.7
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°	2081.0	100.0
0°-180°	2081.0	100.0



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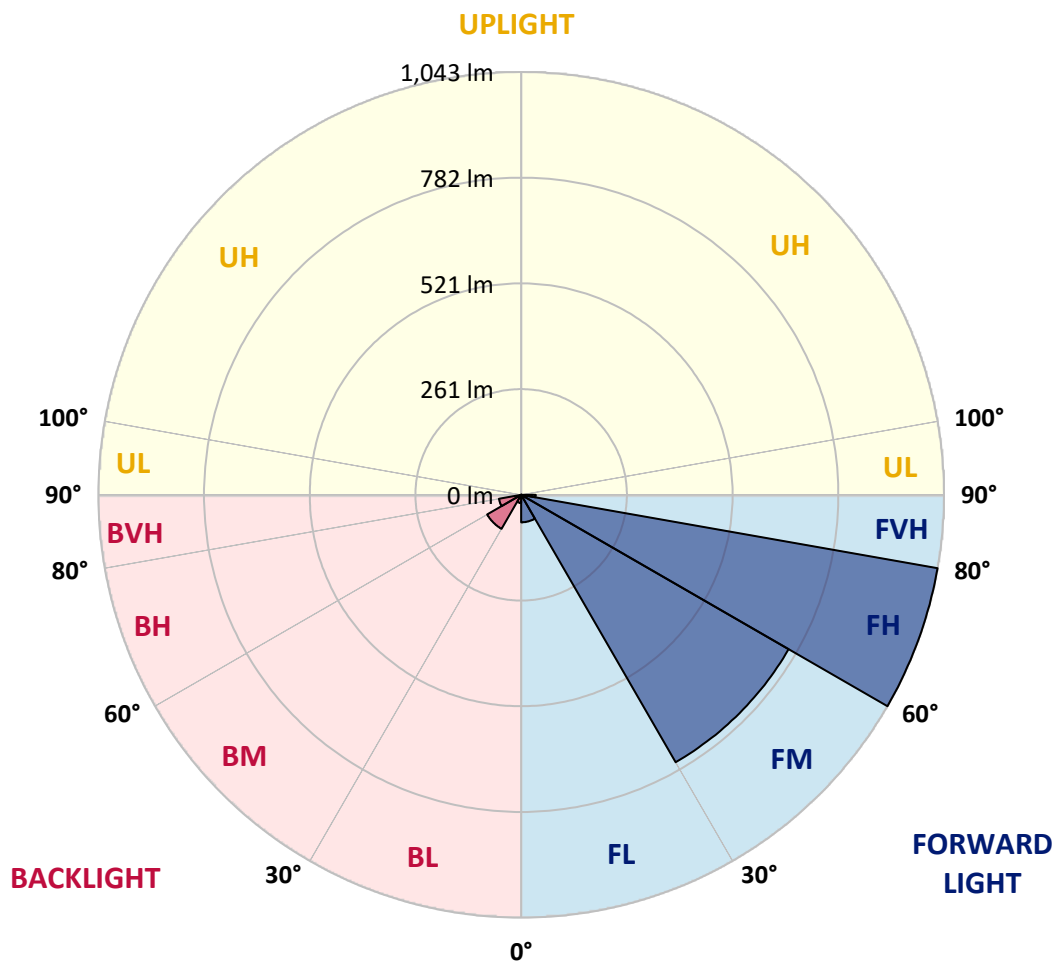
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	67.8	3.3			
FM	(30°-60°)	761.6	36.6			
FH	(60°-80°)	1042.9	50.1			G1/1800
FVH	(80°-90°)	35.8	1.7			G1/100
BL	(0°-30°)	19.8	1.0	B0/110		
BM	(30°-60°)	96.9	4.7	B0/220		
BH	(60°-80°)	55.7	2.7	B0/110		G0/110
BVH	(80°-90°)	0.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2.5°	0.3	0.3	0.0	0.3	0.3	0.6	0.6	0.9	0.9	0.9	0.9
5°	16.0	13.6	13.3	11.8	8.4	2.1	0.6	0.9	0.9	0.9	0.9
7.5°	57.3	56.4	55.8	54.6	53.3	41.0	8.1	0.9	0.9	0.9	0.9
10°	61.5	60.3	59.4	57.9	56.1	54.0	51.5	6.6	0.9	0.9	0.9
12.5°	127.2	125.7	87.1	72.0	59.4	56.4	54.6	28.3	26.2	29.8	34.1
15°	133.8	132.6	129.3	125.1	112.4	63.6	85.6	106.4	69.3	73.8	73.8
17.5°	149.2	146.8	135.3	129.0	123.9	136.2	125.1	113.9	74.7	79.3	79.3
20°	208.9	208.3	205.0	143.2	130.2	172.4	136.2	121.5	138.0	144.1	137.1
22.5°	210.7	210.1	207.7	199.5	204.6	177.2	195.6	183.6	188.4	164.6	163.4
25°	279.4	277.0	221.8	203.1	230.9	189.0	232.7	202.5	198.9	205.6	205.6
27.5°	284.5	283.9	282.1	270.4	236.9	267.6	239.6	262.2	267.3	254.1	261.0
30°	324.0	304.1	293.6	286.6	279.1	280.9	279.7	301.7	278.5	283.9	280.9
32.5°	377.0	375.2	369.8	305.6	310.1	293.3	326.1	322.8	360.2	371.9	370.1
35°	450.9	422.0	386.7	353.5	321.9	348.4	337.0	375.5	384.9	390.3	401.5
37.5°	515.7	506.3	473.5	374.9	356.6	358.7	385.5	402.4	416.2	425.9	430.7
40°	575.1	568.1	546.1	438.2	375.2	389.4	411.4	420.8	448.2	466.0	466.3
42.5°	663.1	667.3	646.8	495.5	425.9	432.5	451.2	452.7	477.1	512.7	513.9
45°	773.1	767.4	762.2	578.7	474.1	469.9	495.8	492.2	529.9	579.9	585.9
47.5°	879.2	871.0	857.2	674.5	541.0	511.8	547.9	551.0	609.7	673.6	676.0
50°	961.2	958.1	944.3	786.0	629.9	569.6	605.8	641.4	703.8	780.6	785.7
52.5°	1051.6	1044.6	1020.2	890.6	744.2	656.7	675.1	737.5	802.9	887.3	886.7
55°	1111.9	1112.8	1089.6	997.3	847.8	755.3	762.5	858.4	893.3	979.5	985.9
57.5°	1192.0	1185.4	1191.7	1122.7	988.3	855.4	872.2	955.1	986.5	1092.9	1097.1
60°	1251.7	1254.1	1285.5	1238.4	1097.1	957.2	971.7	1034.1	1079.3	1203.8	1217.0
62.5°	1253.8	1266.8	1351.2	1354.5	1214.9	1067.5	1058.2	1114.9	1154.7	1324.3	1340.3
65°	1139.0	1146.8	1337.0	1385.2	1324.3	1175.8	1140.5	1183.0	1229.1	1454.8	1457.9
67.5°	1023.8	1026.3	1209.8	1376.2	1390.0	1305.7	1228.2	1257.4	1302.0	1540.7	1530.2
68°	992.5	1010.6	1187.8	1371.1	1394.3	1329.2	1241.5	1271.6	1319.8	1543.5	1528.7
70°	899.7	919.0	1082.0	1313.8	1392.2	1417.8	1314.1	1318.3	1331.0	1452.4	1405.1
72.5°	604.9	617.9	856.3	1118.2	1346.9	1520.9	1395.2	1290.6	1194.1	1064.8	1022.9
75°	232.7	234.2	431.6	768.6	1164.6	1469.3	1309.6	1088.0	811.1	518.4	486.8
77.5°	86.8	85.3	125.1	356.3	739.3	1141.7	977.7	667.0	337.9	135.9	132.9
80°	30.7	31.6	48.5	107.3	300.5	667.0	544.3	271.6	99.5	30.1	27.7
82.5°	12.1	13.0	24.7	50.9	129.0	280.0	232.4	115.4	58.2	11.5	10.9
85°	2.7	3.0	9.6	25.3	49.1	81.1	81.7	70.5	48.2	5.4	5.1
87.5°	0.3	0.6	2.7	3.3	3.9	2.1	6.9	7.2	13.3	2.1	2.1
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°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
2.5°	0.9	0.9	0.9	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0
5°	0.9	0.9	0.9	0.6	0.6	0.3	0.0	0.0	0.0	0.0	0.0
7.5°	0.9	0.9	0.9	0.6	0.3	0.3	0.0	26.5	27.4	28.3	28.6
10°	0.9	0.9	0.9	0.6	0.6	27.7	32.6	31.3	29.2	28.3	28.6
12.5°	32.9	31.9	10.2	2.1	25.3	30.4	25.0	20.8	18.7	17.2	17.2
15°	71.7	69.0	57.6	44.0	41.3	23.5	16.0	13.6	19.9	24.1	24.1
17.5°	76.3	72.9	64.5	63.9	41.9	20.5	16.6	21.4	22.6	23.8	23.8
20°	147.7	132.3	91.0	61.2	30.7	25.0	20.8	20.5	21.4	22.9	23.2
22.5°	158.2	150.7	114.5	74.1	28.0	27.1	24.1	22.9	30.7	33.5	33.5
25°	201.0	193.8	123.3	59.1	34.1	27.7	30.4	28.6	29.2	31.6	31.6
27.5°	257.1	243.8	161.9	49.7	31.6	30.1	31.0	28.6	33.8	40.1	40.1
30°	284.8	258.3	154.9	44.0	32.2	32.9	29.8	35.0	35.0	37.4	37.7
32.5°	380.1	361.7	174.5	37.1	32.2	30.1	32.6	33.2	32.6	42.2	42.5
35°	404.5	382.5	149.5	38.6	30.7	29.2	29.2	32.9	35.0	37.1	37.4
37.5°	434.3	405.7	117.5	36.2	31.9	28.3	26.8	28.0	30.7	36.2	36.5
40°	472.3	431.0	90.4	34.1	29.8	25.9	24.4	25.6	25.6	27.1	27.4
42.5°	523.5	461.1	66.9	32.6	28.0	23.8	21.4	19.9	19.0	18.7	19.0
45°	593.8	499.7	50.0	31.0	26.8	21.1	17.8	14.5	12.1	12.1	12.4
47.5°	677.2	542.8	40.7	28.6	25.0	18.1	13.6	9.3	7.5	7.8	8.1
50°	766.2	588.3	35.6	26.5	22.9	14.8	9.0	5.7	4.8	5.1	5.4
52.5°	848.4	617.9	33.5	24.4	20.2	11.5	5.7	3.9	3.6	3.6	3.9
55°	931.0	640.2	31.6	22.3	16.3	7.5	3.3	3.0	3.0	2.7	2.7
57.5°	1007.9	653.4	28.6	19.3	11.5	4.5	2.4	2.4	2.1	2.1	2.1
60°	1078.4	651.9	22.9	14.5	7.2	2.7	1.8	1.8	1.5	1.5	1.5
62.5°	1150.4	645.3	16.3	10.2	4.8	1.8	1.2	1.2	0.9	0.6	0.9
65°	1193.8	626.6	10.9	7.2	3.0	1.2	0.9	0.6	0.3	0.0	0.3
67.5°	1175.8	572.4	8.1	5.4	2.1	0.9	0.6	0.3	0.0	0.0	0.0
68°	1159.2	555.2	7.5	5.1	1.8	0.9	0.6	0.3	0.0	0.0	0.0
70°	1028.7	462.6	6.6	4.2	1.5	0.9	0.6	0.3	0.0	0.0	0.0
72.5°	686.3	300.5	5.4	3.3	1.2	0.6	0.6	0.3	0.0	0.0	0.0
75°	316.5	96.4	4.2	2.7	0.9	0.6	0.6	0.3	0.0	0.0	0.0
77.5°	84.4	20.5	2.7	1.8	0.9	0.6	0.6	0.3	0.3	0.3	0.0
80°	20.2	6.3	1.8	1.5	0.9	0.6	0.6	0.3	0.3	0.3	0.0
82.5°	7.5	3.3	1.2	1.2	0.9	0.6	0.6	0.3	0.6	0.6	0.0
85°	3.3	2.1	1.2	1.2	0.9	0.6	0.6	0.6	0.6	0.9	0.0
87.5°	1.5	1.5	1.2	1.2	1.2	0.6	0.9	0.9	0.9	0.9	0.0
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)