

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: P414211

Luminaire Tested: **LXF.LXT-PA1-20-730-U-T2R**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P414211  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/26/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA1-20-730-U-T2R  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2502 lumens  
Efficiency: N/A  
Efficacy: 119.1 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Medium - Non-Cutoff  
BUG Rating: B1 - U0 - G1

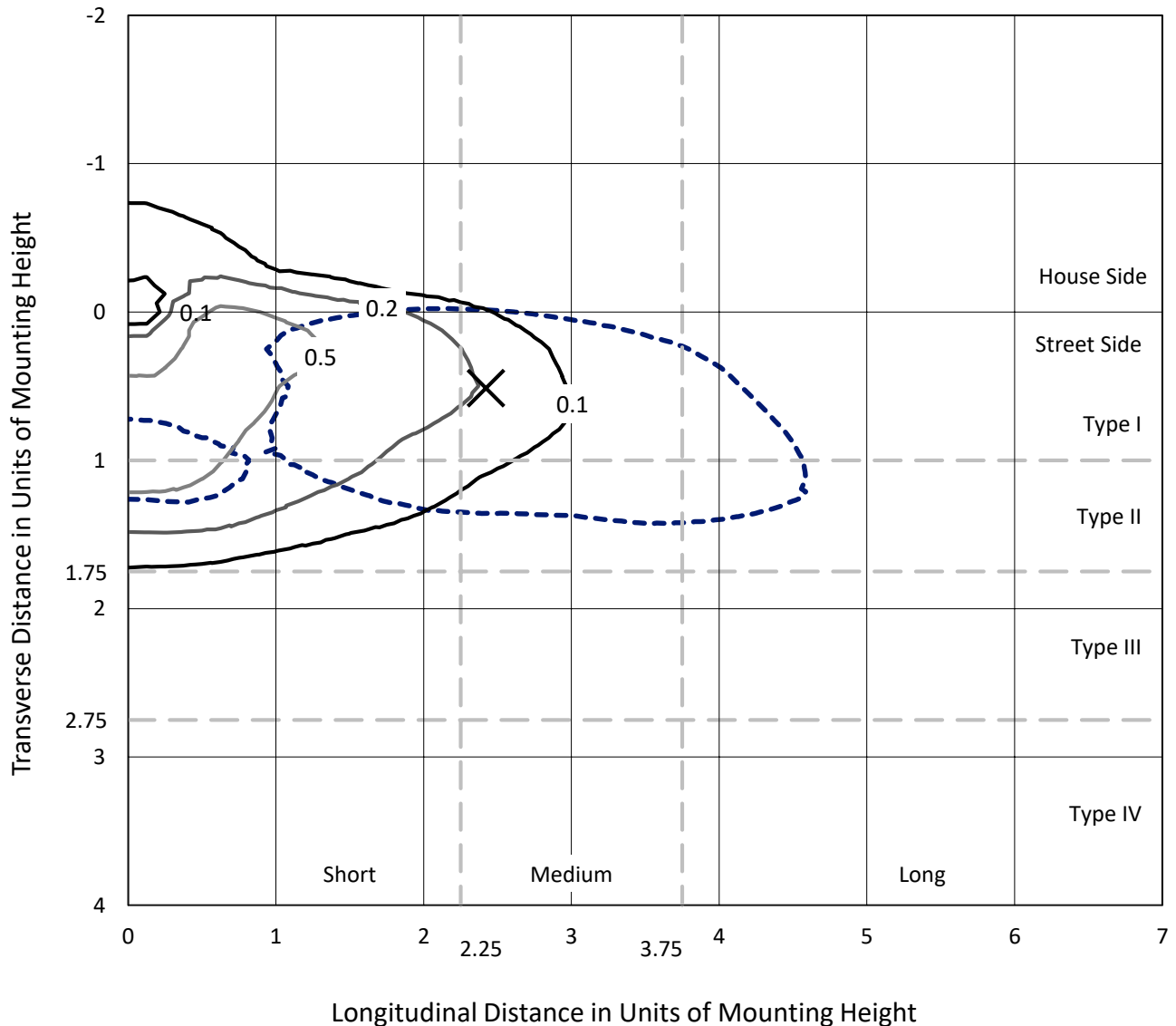
Input Watts (W): 21  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

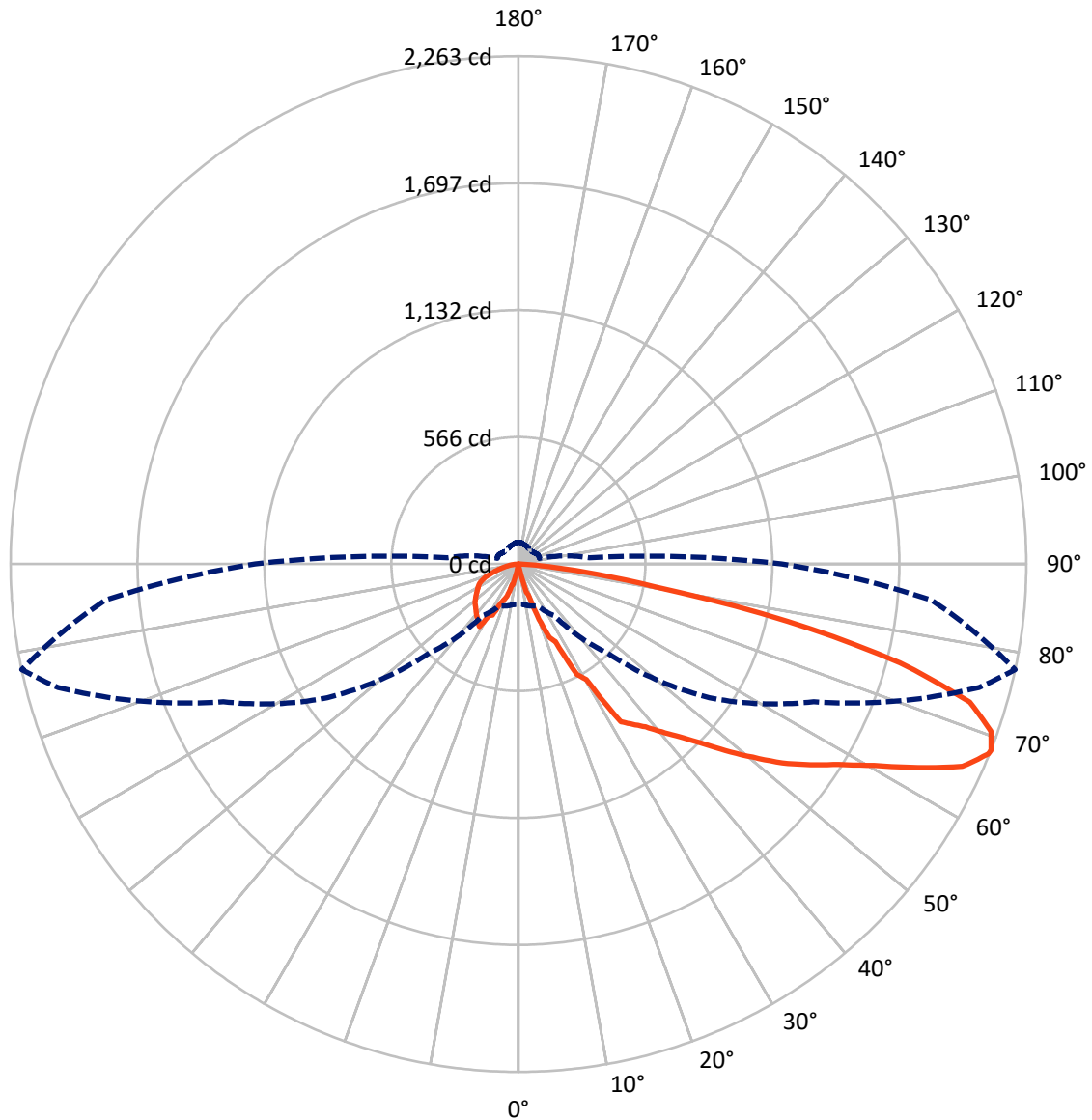
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical



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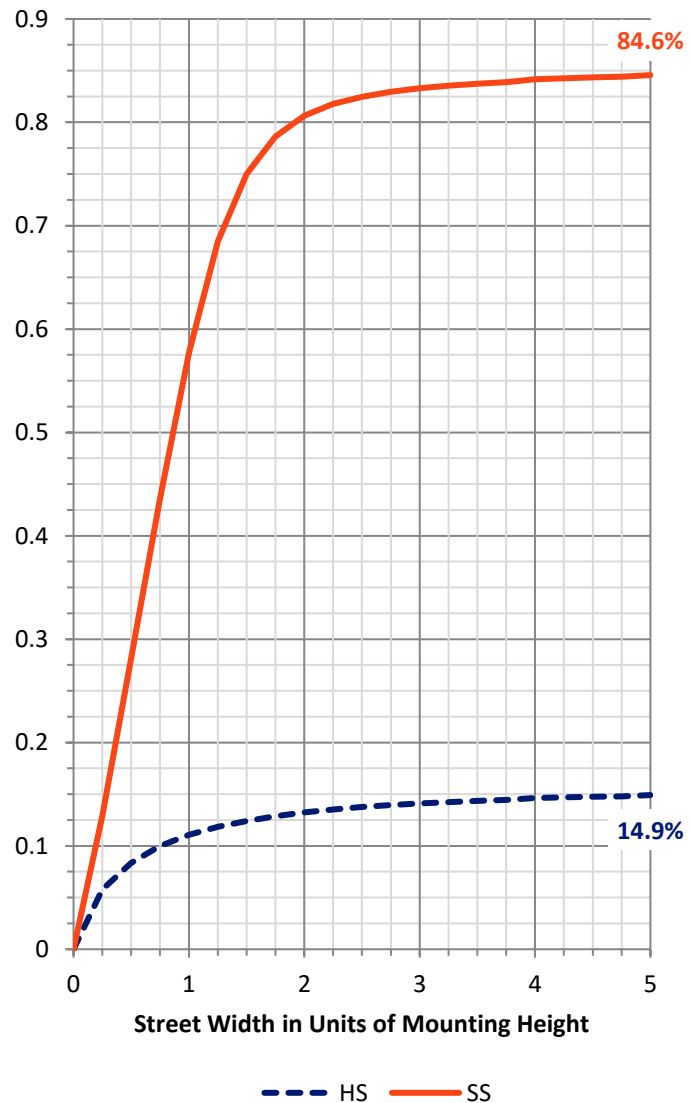
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	379.9	0.0	379.9
	% Fixture	15.2	0.0	15.2
<b>Street Side</b>	Lumens	2122.1	0.0	2122.1
	% Fixture	84.8	0.0	84.8
<b>Total</b>	Lumens	2502.0	0.0	2502.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.5	0.1
10°-20°	36.3	1.4
20°-30°	138.1	5.5
30°-40°	322.4	12.9
40°-50°	503.3	20.1
50°-60°	577.7	23.1
60°-70°	536.8	21.5
70°-80°	331.7	13.3
80°-90°	53.4	2.1
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°	2502.0	100.0
0°-180°	2502.0	100.0



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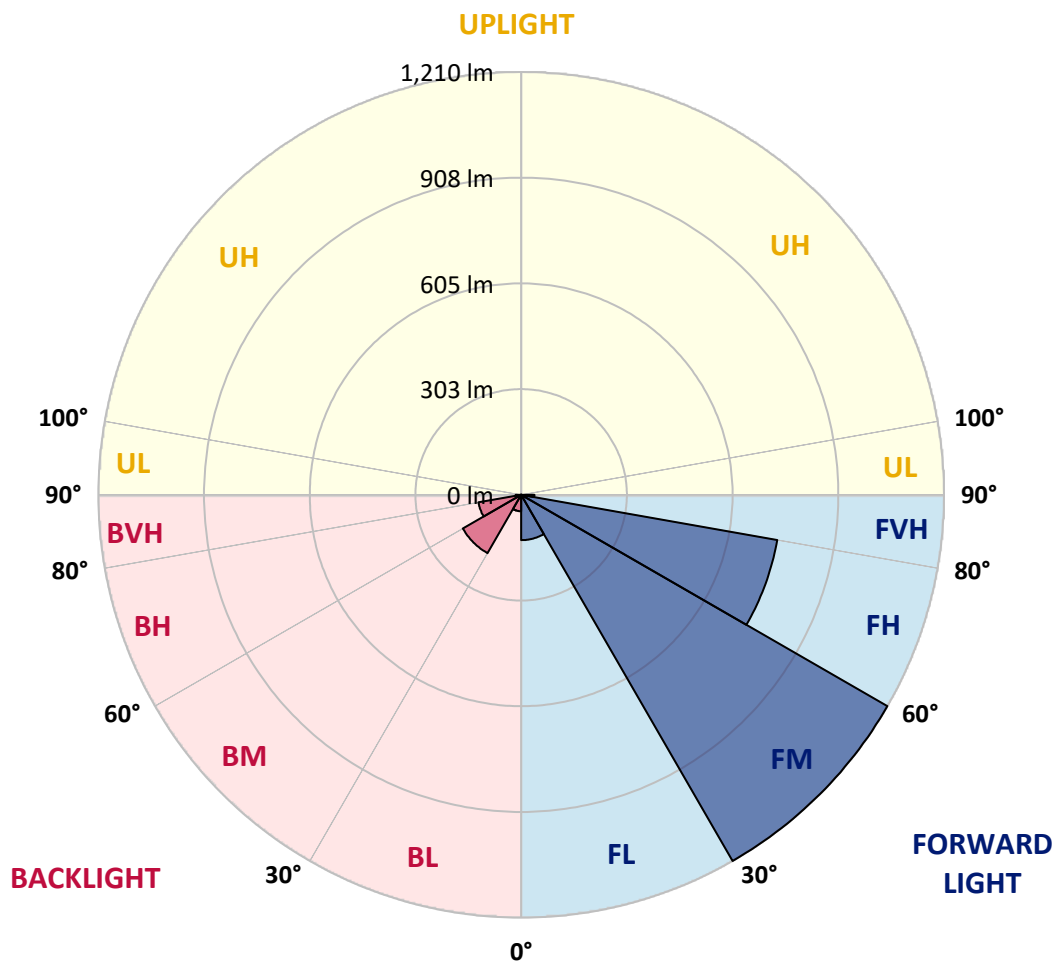
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	129.7	5.2			
FM (30°-60°)	1210.3	48.4			
FH (60°-80°)	744.3	29.7			G1/1800
FVH (80°-90°)	37.8	1.5			G1/100
BL (0°-30°)	47.1	1.9	B0/110		
BM (30°-60°)	193.0	7.7	B0/220		
BH (60°-80°)	124.2	5.0	B1/500		G1/500
BVH (80°-90°)	15.6	0.6			G1/100
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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	1.9	1.9	2.2	2.5	3.0	2.7	1.9	1.4	1.1	1.1	1.1
5°	88.7	81.5	45.6	23.6	8.2	4.9	2.5	1.9	1.4	1.4	1.1
7.5°	100.2	99.6	98.8	98.0	96.6	91.4	9.6	2.7	1.6	1.6	1.1
10°	108.2	107.3	106.8	106.2	104.3	101.6	96.9	8.5	3.0	2.7	2.5
12.5°	210.0	209.4	208.6	133.4	113.1	110.1	106.0	75.8	8.8	13.2	39.8
15°	209.4	208.6	211.1	215.5	219.0	120.5	121.6	212.7	131.8	126.5	134.8
17.5°	218.5	217.4	214.7	217.7	224.3	252.0	238.3	230.3	155.1	148.0	143.8
20°	320.3	320.3	323.6	320.9	232.8	322.0	305.0	247.3	280.3	263.5	245.1
22.5°	339.0	337.6	338.2	343.7	404.1	333.8	336.5	381.6	389.5	355.7	305.0
25°	482.0	481.7	462.8	363.2	426.0	402.4	465.0	408.2	422.5	382.7	374.1
27.5°	542.4	543.0	527.6	513.9	450.2	521.8	493.5	537.5	600.1	557.5	479.3
30°	729.9	722.8	602.0	588.5	550.9	550.1	597.6	634.6	617.1	597.0	535.3
32.5°	867.4	860.3	833.7	740.6	655.0	612.7	686.5	664.0	805.1	838.0	725.8
35°	1080.2	1077.7	936.3	840.2	769.1	740.9	721.4	808.9	871.5	876.5	773.0
37.5°	1243.5	1235.5	1152.6	983.3	865.8	800.4	846.8	848.2	944.3	920.9	846.8
40°	1318.1	1313.2	1249.5	1090.6	954.7	880.9	899.5	907.5	1023.9	983.5	900.6
42.5°	1375.0	1368.9	1328.6	1155.1	1032.9	962.4	953.9	961.0	1101.0	1051.9	958.3
45°	1404.3	1400.8	1381.8	1200.9	1087.6	1014.3	1012.1	1008.2	1153.4	1136.1	1020.9
47.5°	1387.9	1384.0	1392.5	1263.2	1121.6	1056.8	1066.2	1059.3	1213.6	1241.8	1088.9
50°	1296.5	1300.0	1334.1	1265.7	1143.3	1091.4	1123.2	1106.2	1295.4	1353.3	1171.6
52.5°	1031.8	1046.4	1190.5	1210.8	1145.5	1107.6	1174.6	1177.9	1396.9	1472.4	1280.3
55°	770.0	790.6	918.2	1076.9	1101.6	1108.1	1207.5	1243.5	1498.2	1578.4	1371.7
57.5°	606.1	618.7	700.0	859.2	995.6	1088.7	1241.3	1296.7	1592.4	1684.3	1461.4
60°	484.5	476.8	529.8	650.6	829.8	1034.0	1256.1	1366.2	1709.6	1821.0	1567.1
62.5°	350.3	350.8	391.2	460.1	656.9	926.2	1244.6	1433.4	1858.9	1997.8	1707.9
65°	248.4	250.9	278.3	315.4	474.9	777.9	1187.5	1479.3	2027.4	2174.6	1822.4
67.5°	189.1	190.8	203.7	221.0	306.9	591.8	1070.3	1469.9	2120.0	2258.3	1855.6
68°	181.4	178.7	193.2	205.9	282.5	561.1	1038.2	1451.3	2124.3	2263.0	1847.6
70°	152.9	152.9	159.5	162.5	200.1	414.8	880.9	1338.5	2108.7	2234.1	1787.3
72.5°	127.6	126.8	130.7	128.2	141.4	271.5	639.9	1154.3	1997.0	2102.7	1607.5
75°	106.2	106.2	106.8	104.9	108.4	182.0	415.9	904.2	1764.2	1755.7	1308.3
77.5°	90.6	88.4	87.8	85.1	88.1	132.3	255.0	643.4	1273.7	1227.8	830.6
80°	71.9	71.6	72.2	70.5	73.0	96.3	155.4	376.1	693.7	610.5	387.3
82.5°	44.5	48.9	53.8	53.8	61.5	68.1	94.2	201.2	336.3	295.6	164.4
85°	14.5	17.8	31.6	32.7	39.5	31.8	54.1	64.8	112.3	100.2	31.6
87.5°	0.5	0.8	2.5	3.8	3.6	2.2	3.8	3.0	6.3	4.7	4.9
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°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	1.1	1.1	1.1	1.4	1.4	0.8	0.5	1.1	1.1	1.1	1.1
5°	1.1	1.1	1.4	1.4	1.4	1.1	1.4	1.9	2.2	2.2	2.2
7.5°	1.1	1.1	1.1	1.6	1.6	1.9	2.7	16.5	37.9	41.4	40.9
10°	2.2	1.9	2.2	2.5	3.0	35.1	46.1	48.6	49.7	50.5	50.2
12.5°	52.7	47.2	8.8	4.9	33.2	49.4	50.2	52.2	54.1	54.9	54.9
15°	123.5	110.6	84.5	63.7	56.8	52.7	53.5	70.3	95.5	98.0	98.3
17.5°	131.2	115.0	88.4	97.4	100.5	78.2	85.9	96.6	97.7	98.0	98.0
20°	247.3	207.2	125.7	102.7	102.4	130.9	91.7	94.4	96.1	109.3	110.9
22.5°	267.6	222.1	151.0	145.8	110.3	130.9	120.0	116.7	127.6	126.5	127.4
25°	336.5	266.5	158.9	146.3	154.5	126.8	140.8	116.1	118.0	117.5	117.5
27.5°	427.9	336.3	222.1	163.9	150.2	146.6	130.4	111.7	134.0	134.5	134.5
30°	453.2	345.9	222.1	177.1	156.2	144.1	120.5	132.0	124.6	122.4	121.3
32.5°	628.1	469.1	268.7	170.5	154.0	132.3	132.0	122.7	122.4	127.4	127.4
35°	659.9	476.3	245.4	194.9	145.2	136.4	125.4	124.1	118.6	116.7	116.4
37.5°	691.5	480.6	227.6	179.0	149.1	130.1	123.5	113.9	120.0	120.0	119.4
40°	725.2	485.3	211.4	164.4	137.0	130.1	114.5	113.6	105.4	106.0	105.4
42.5°	761.5	487.2	194.1	152.3	125.7	122.2	110.6	102.1	101.8	103.8	103.2
45°	802.9	489.7	178.1	137.0	114.5	107.6	98.8	99.4	104.6	109.0	109.0
47.5°	847.1	491.9	165.0	123.2	106.5	97.7	91.1	93.3	102.7	107.1	108.4
50°	906.9	494.6	149.9	112.0	101.0	90.3	89.2	91.1	101.3	104.6	103.2
52.5°	970.6	489.7	135.1	104.9	95.3	82.1	84.0	88.9	99.9	101.6	100.5
55°	1022.8	477.4	123.5	100.2	91.1	78.5	81.3	87.3	97.7	98.5	98.8
57.5°	1083.4	461.2	114.5	96.6	88.7	76.9	80.2	87.0	93.3	97.2	97.2
60°	1143.0	442.2	109.0	94.7	86.7	76.9	80.2	86.7	92.5	96.6	96.3
62.5°	1212.7	420.8	105.7	95.8	84.3	77.7	80.7	87.6	92.2	96.9	96.3
65°	1237.2	379.9	103.2	97.4	84.0	78.8	81.0	88.7	92.0	97.4	96.9
67.5°	1188.9	325.8	99.1	97.4	86.5	80.2	80.7	88.1	91.1	97.7	95.3
68°	1172.7	317.9	97.7	97.2	86.7	80.4	80.7	87.8	90.6	97.4	94.7
70°	1082.6	267.4	90.9	94.4	87.8	81.5	79.3	85.9	87.8	96.9	93.6
72.5°	936.9	208.3	79.3	87.8	86.7	83.2	76.9	82.1	83.2	90.6	85.1
75°	749.1	158.4	65.6	76.3	81.5	83.2	73.3	76.9	76.6	80.2	75.2
77.5°	471.0	113.1	53.0	64.8	74.1	81.0	70.0	70.0	66.7	67.3	65.1
80°	228.4	77.4	42.8	53.5	62.0	76.6	64.2	59.0	54.9	53.8	51.1
82.5°	112.3	50.0	29.6	40.4	49.1	63.4	57.6	48.6	41.4	40.9	36.5
85°	26.1	20.6	16.2	21.4	31.0	41.4	41.4	30.5	25.8	33.5	24.7
87.5°	2.5	3.0	3.3	3.0	3.8	3.6	8.8	8.8	8.0	5.2	3.6
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)