

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: P266034

Luminaire Tested: **LXF.LXT-AF24-30-D-U-T2U-7027**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P266034  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-16-90°)  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-AF24-30-D-U-T2U-7027  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS  
PHOTOMETRIC DATA REPORTED FOR LOWER HEMISPHERE ONLY. MINIMAL LIGHT IN  
UPPER HEMISPHERE NOT REPORTED TO PROVIDE RELEVANT COMPARISON TO  
COMPETITIVE OFFERINGS.  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

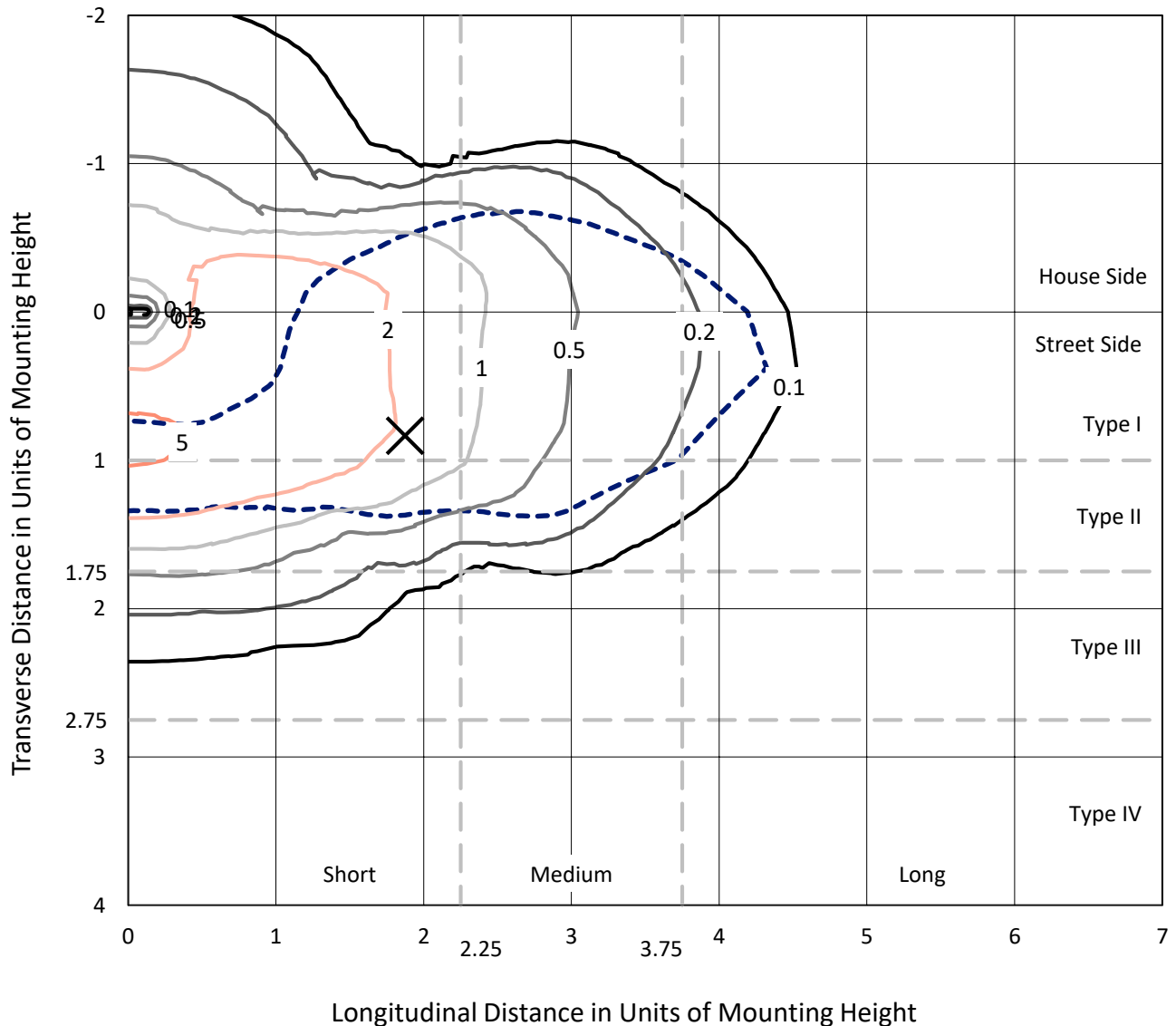
Lumens per Lamp: N/A  
Luminaire Lumens: 2965.1 lumens  
Efficiency: N/A  
Efficacy: 95.6 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1  
  
Input Watts (W): 31  
Input Voltage (V): NR  
Input Current (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

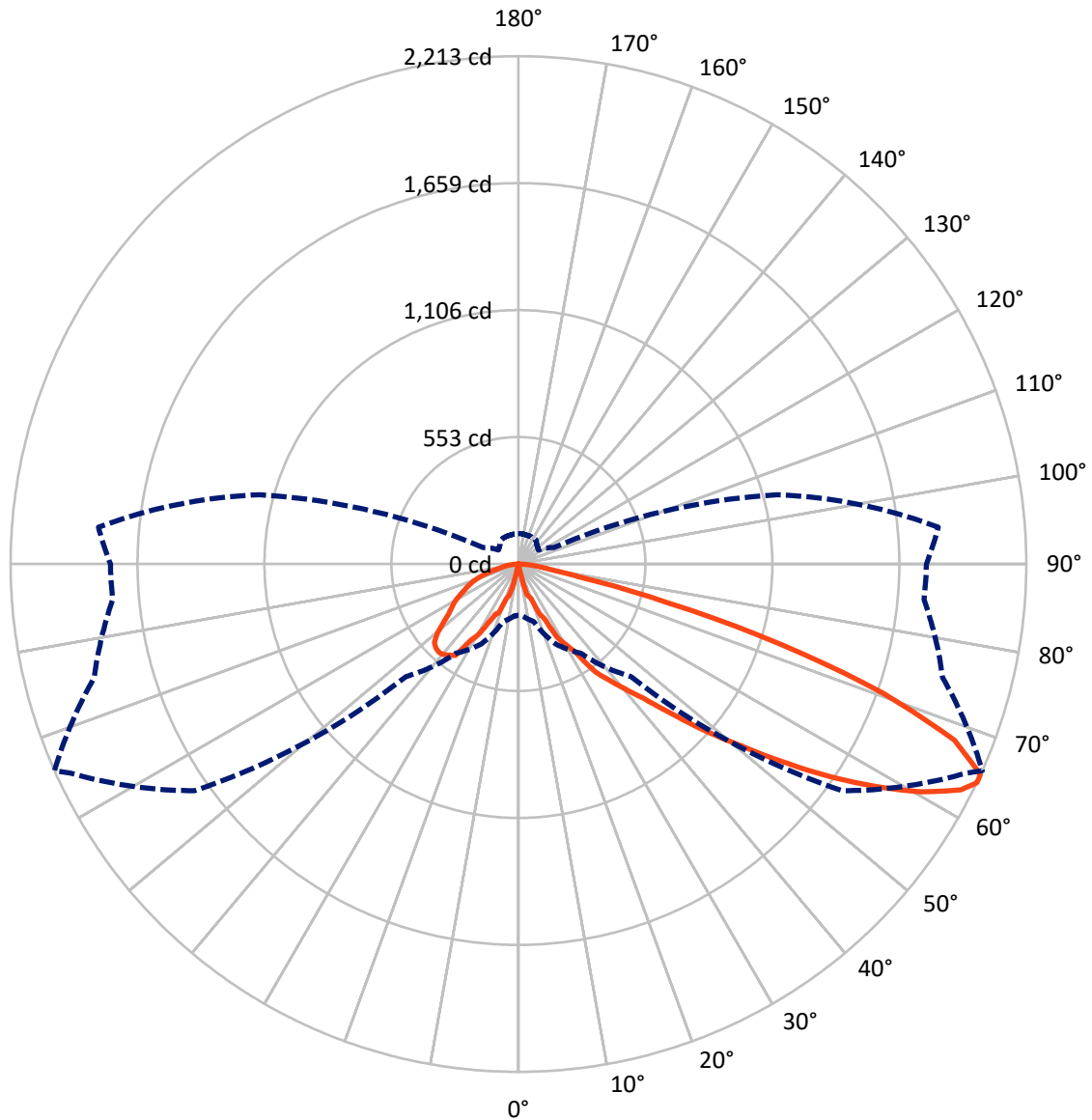
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.9 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral    - - - Horizontal Cone Through 64-Deg Vertical



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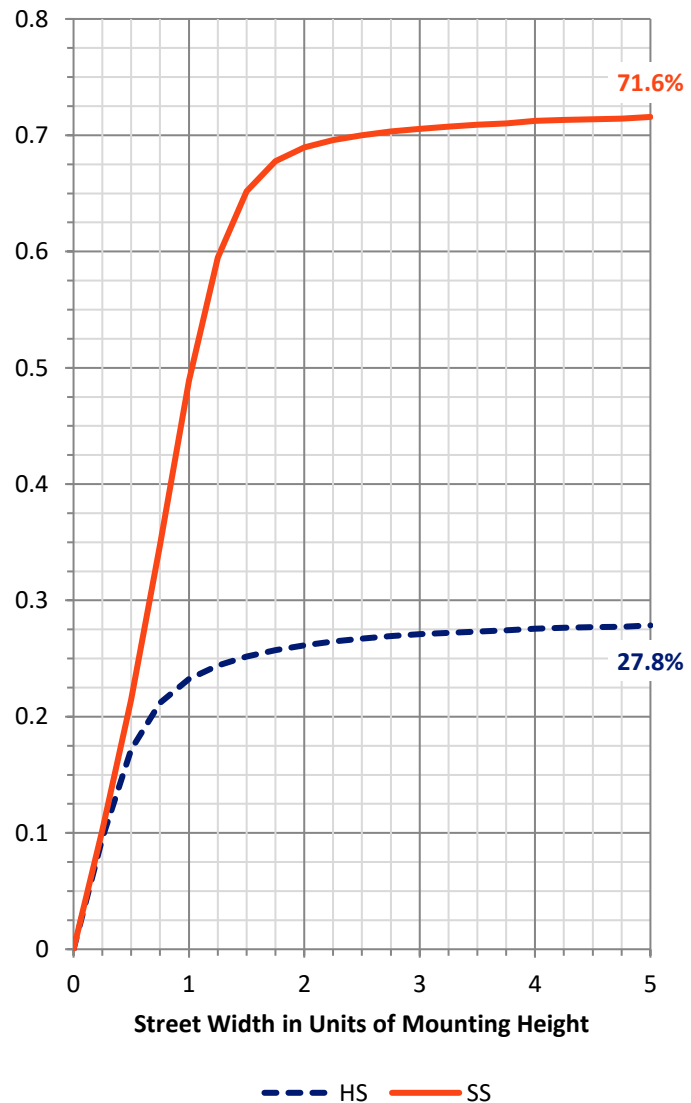
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	835.1	0.0	835.1
	% Fixture	28.2	0.0	28.2
<b>Street Side</b>	Lumens	2129.9	0.0	2129.9
	% Fixture	71.8	0.0	71.8
<b>Total</b>	Lumens	2965.1	0.0	2965.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	2.2	0.1
10°-20°	32.7	1.1
20°-30°	127.0	4.3
30°-40°	314.2	10.6
40°-50°	591.1	19.9
50°-60°	784.1	26.4
60°-70°	705.9	23.8
70°-80°	360.5	12.2
80°-90°	47.3	1.6
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°	2965.1	100.0
0°-180°	2965.1	100.0



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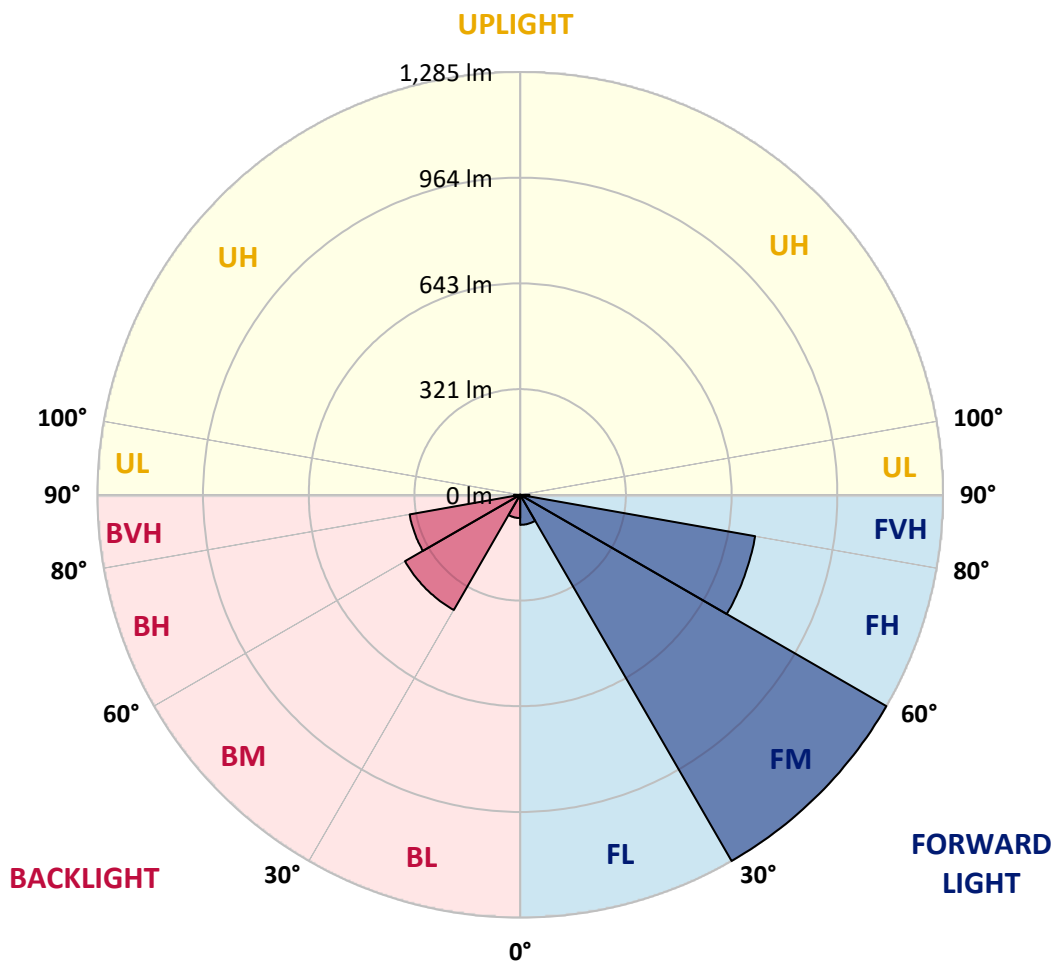
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	91.3	3.1			
FM	(30°-60°)	1285.2	43.3			
FH	(60°-80°)	725.2	24.5			G1/1800
FVH	(80°-90°)	28.2	1.0			G1/100
BL	(0°-30°)	70.7	2.4	B0/110		
BM	(30°-60°)	404.2	13.6	B1/1000		
BH	(60°-80°)	341.2	11.5	B1/500		G1/500
BVH	(80°-90°)	19.0	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 Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	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°	1.3	1.0	1.3	1.6	1.6	1.3	1.0	0.3	0.3	0.0	0.0
5°	63.2	62.0	43.1	16.8	8.8	4.8	2.3	1.0	0.7	0.3	0.3
7.5°	65.9	65.9	65.9	66.7	65.2	63.2	10.8	2.3	2.1	0.7	0.3
10°	67.4	67.0	66.3	67.0	66.3	66.3	64.9	8.4	7.7	2.6	2.1
12.5°	126.5	125.9	121.8	78.7	69.0	69.0	69.3	56.6	56.9	18.1	46.7
15°	132.2	132.0	130.2	130.9	126.8	75.6	106.3	136.3	137.6	95.5	107.9
17.5°	147.1	144.6	139.2	137.6	136.0	155.0	148.7	148.4	148.4	111.4	117.4
20°	227.5	224.3	221.3	178.9	149.4	197.4	182.6	160.4	161.9	189.7	201.2
22.5°	261.3	259.0	254.3	244.6	254.9	213.0	223.4	233.7	235.1	247.9	228.8
25°	355.9	358.0	333.0	285.3	307.5	265.1	286.3	258.1	265.1	269.4	283.0
27.5°	460.6	453.5	445.7	405.8	349.9	372.7	315.6	337.5	363.6	367.3	344.5
30°	586.4	576.6	515.1	510.6	447.7	419.5	408.1	414.1	407.0	385.8	386.2
32.5°	739.8	734.0	707.1	624.4	566.6	481.0	496.9	453.9	457.9	501.7	509.0
35°	953.0	943.3	814.9	770.3	655.7	617.3	555.7	573.6	578.2	569.9	560.2
37.5°	1197.6	1188.8	1087.9	907.3	792.6	704.5	685.9	654.3	641.8	643.5	646.9
40°	1342.0	1335.9	1246.8	1096.0	931.3	838.4	778.1	734.8	715.2	739.8	732.7
42.5°	1445.3	1436.5	1385.4	1238.4	1120.2	1027.8	889.5	832.3	800.7	853.5	829.6
45°	1507.1	1494.1	1468.8	1335.2	1275.1	1242.4	1039.2	945.9	922.4	962.2	944.7
47.5°	1488.3	1466.8	1482.6	1403.5	1400.7	1432.1	1214.1	1077.2	1076.4	1090.6	1077.5
50°	1371.5	1356.1	1403.2	1412.0	1478.9	1582.5	1427.3	1224.8	1233.0	1227.5	1212.4
52.5°	1155.6	1159.0	1233.6	1305.5	1472.1	1671.9	1638.7	1398.8	1420.9	1361.8	1336.9
55°	931.8	943.3	1023.7	1113.4	1365.6	1693.5	1822.3	1590.9	1627.9	1492.4	1453.9
57.5°	707.1	722.5	818.4	885.8	1152.9	1619.1	1931.4	1771.5	1825.7	1616.8	1563.1
60°	450.1	459.6	577.6	690.6	859.9	1367.5	1956.9	1955.6	2015.7	1743.3	1659.9
62.5°	291.3	296.7	346.8	497.9	597.8	954.7	1873.4	2103.7	2165.2	1866.4	1742.9
64°	223.0	227.7	259.7	384.1	474.3	694.0	1721.7	2154.3	2212.5	1913.2	1774.0
65°	193.8	196.8	220.4	313.1	403.7	544.4	1572.5	2155.8	2211.5	1926.7	1779.4
67.5°	161.2	162.1	170.9	198.2	285.3	303.4	992.4	1995.6	2048.0	1897.7	1736.6
70°	146.1	148.0	159.4	161.4	220.4	209.9	369.7	1642.0	1684.4	1820.0	1641.7
72.5°	125.9	128.2	143.0	155.0	170.6	166.5	187.0	1153.2	1198.2	1575.7	1533.6
75°	102.5	104.9	119.0	136.9	143.0	130.9	147.1	592.4	668.1	1164.7	1372.6
77.5°	81.3	83.7	95.0	107.6	128.8	100.3	117.4	227.1	271.5	723.7	1021.1
80°	57.9	59.2	71.0	81.3	97.2	86.7	85.5	124.1	130.6	359.6	514.0
82.5°	35.7	36.7	47.4	54.4	64.9	86.7	61.3	85.5	87.5	151.1	157.5
85°	19.9	20.5	28.6	30.9	36.0	44.0	41.1	46.7	48.1	67.4	39.6
87.5°	2.3	3.1	6.7	7.4	6.7	7.4	7.4	6.7	7.0	6.1	3.4
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°	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	0.3	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0
5°	0.3	0.3	0.7	0.7	1.0	1.0	1.3	2.1	2.1	2.1	2.3
7.5°	0.3	0.3	0.7	1.0	1.3	3.4	16.8	58.2	65.5	67.9	67.9
10°	2.1	2.1	2.1	2.3	6.7	65.5	73.8	76.0	77.1	77.1	77.8
12.5°	51.5	51.5	27.6	10.8	61.5	76.6	78.4	80.0	81.0	82.0	83.5
15°	108.7	109.1	106.0	103.9	109.7	82.7	83.7	134.8	140.7	143.0	143.3
17.5°	118.0	117.4	118.0	150.3	158.5	123.7	138.2	147.7	148.7	148.9	148.9
20°	211.9	210.9	167.5	159.1	162.6	205.5	148.9	149.4	167.5	194.5	202.8
22.5°	227.5	225.4	213.3	232.4	213.3	209.9	189.5	195.8	201.8	201.2	200.9
25°	286.6	280.9	235.1	240.1	270.1	212.5	227.5	189.1	192.4	193.4	193.8
27.5°	352.6	345.8	330.7	282.5	275.5	265.8	213.0	197.4	219.4	220.1	218.6
30°	376.7	367.6	345.8	353.6	294.7	250.6	204.3	208.9	197.7	197.4	197.7
32.5°	512.0	495.5	453.1	383.1	311.3	226.7	201.2	186.4	198.9	202.2	202.2
35°	560.2	538.7	502.0	480.8	298.3	220.1	176.2	180.0	180.6	180.0	180.3
37.5°	623.3	595.0	561.8	489.8	307.5	191.3	168.3	166.8	180.0	182.4	183.3
40°	697.1	670.1	639.1	497.2	275.9	176.0	161.2	166.8	170.6	171.2	171.8
42.5°	790.6	753.1	711.8	495.9	234.7	168.9	159.8	159.8	164.2	162.9	162.9
45°	897.1	849.4	780.2	483.1	194.5	162.6	156.5	154.1	156.0	153.4	153.4
47.5°	1017.1	964.5	831.3	463.3	171.2	156.8	153.4	146.1	150.7	150.0	150.0
50°	1143.8	1088.9	879.0	418.5	156.8	151.8	145.6	144.0	150.0	148.7	148.4
52.5°	1265.6	1218.1	915.4	357.6	144.3	147.1	143.0	142.3	147.7	146.3	146.1
55°	1382.3	1354.7	960.7	306.1	133.2	138.6	141.9	141.9	145.3	144.0	144.0
57.5°	1495.9	1501.3	1014.6	270.7	124.9	132.0	140.7	140.2	142.3	141.4	141.7
60°	1611.7	1646.8	1068.4	237.5	118.0	124.1	137.9	137.3	138.2	137.9	138.2
62.5°	1721.4	1779.0	1133.8	194.8	110.8	118.0	133.6	134.2	133.8	134.8	134.8
64°	1777.6	1836.5	1166.0	169.9	106.3	114.4	130.2	131.2	130.9	132.9	132.5
65°	1799.5	1857.7	1177.5	155.0	103.7	112.0	127.7	129.1	128.8	131.2	130.2
67.5°	1793.3	1832.7	1163.7	127.7	96.6	105.6	121.5	123.7	122.8	126.1	123.7
70°	1729.9	1697.2	1054.3	111.4	90.8	98.5	113.4	116.4	114.8	118.0	114.1
72.5°	1610.8	1464.7	820.5	96.6	84.4	91.4	104.4	107.3	106.0	107.3	102.9
75°	1347.0	1129.7	480.1	83.7	76.0	81.7	93.6	96.6	95.2	92.2	90.5
77.5°	936.6	714.2	189.7	73.3	68.4	71.7	79.7	82.5	80.4	74.6	73.8
80°	446.7	318.5	91.2	63.6	59.2	61.3	65.2	66.3	65.9	60.2	57.5
82.5°	136.9	104.4	62.9	51.2	48.1	47.4	51.5	50.1	49.4	45.5	35.7
85°	30.9	30.6	35.4	31.6	30.3	27.3	30.9	30.0	29.3	21.9	18.9
87.5°	1.0	2.1	1.6	4.4	4.8	3.8	6.1	6.4	4.8	2.1	0.3
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)