

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: P415355

Luminaire Tested: **LXF.LXT-PA1-50-722-U-T2R**

Issue Date: 10/26/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P415355  
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-PA1-50-722-U-T2R  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 2200K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4731 lumens  
Efficiency: N/A  
Efficacy: 87.6 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

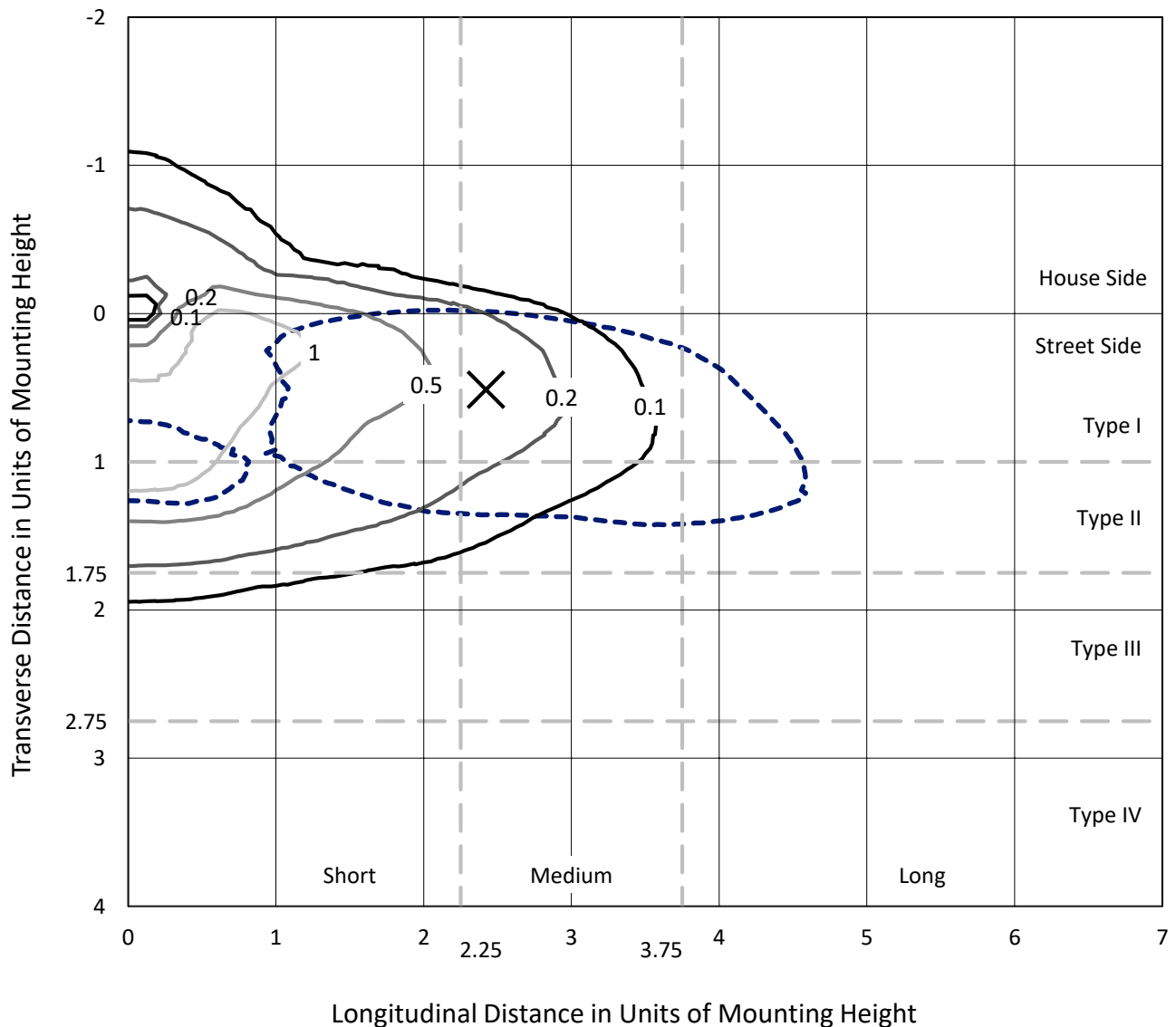
Input Watts (W): 54  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
 - - - 1/2 Max cd

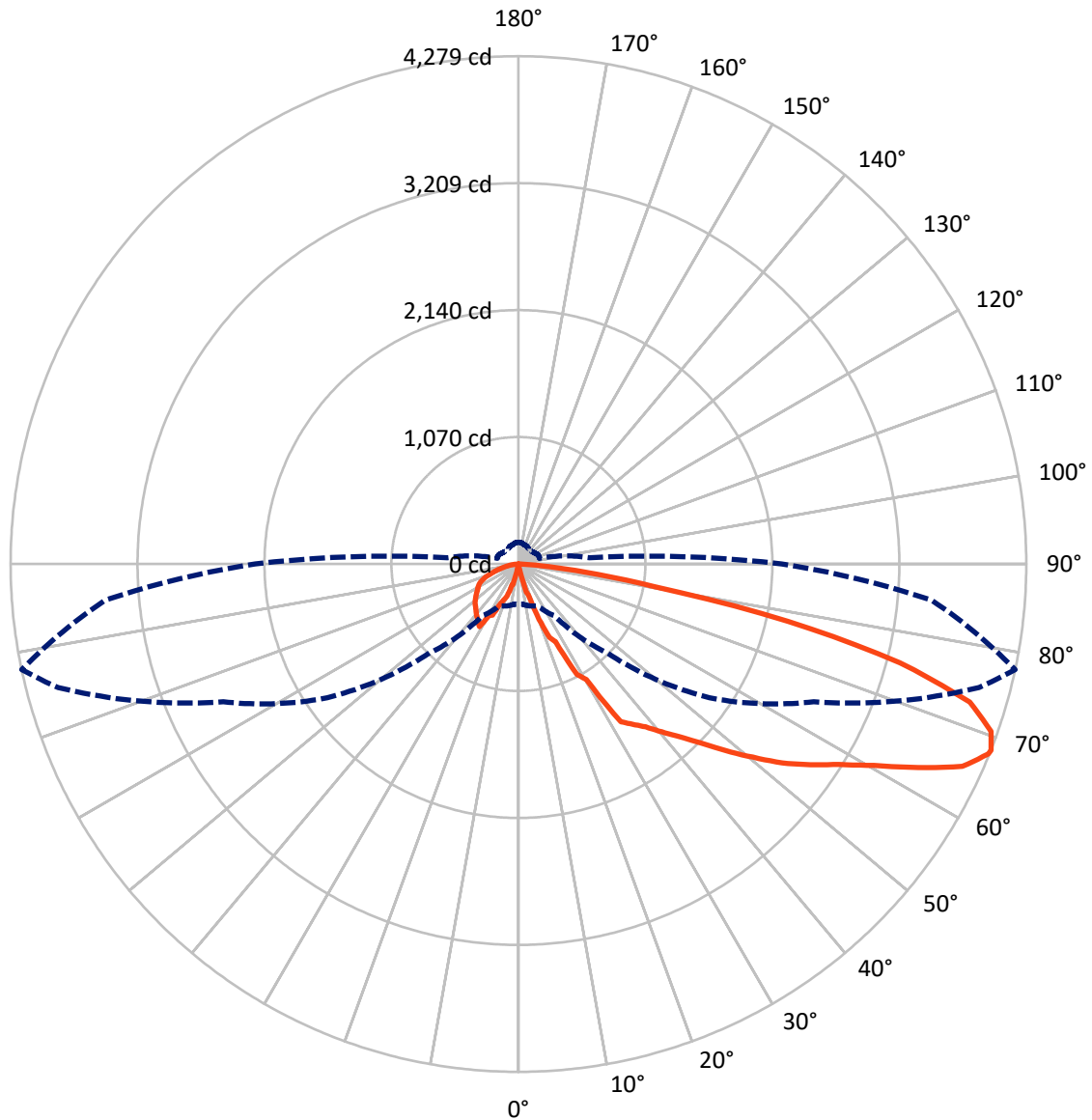


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc  
 Type II - Medium - Non-Cutoff

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### Luminous Intensity Polar Plot



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



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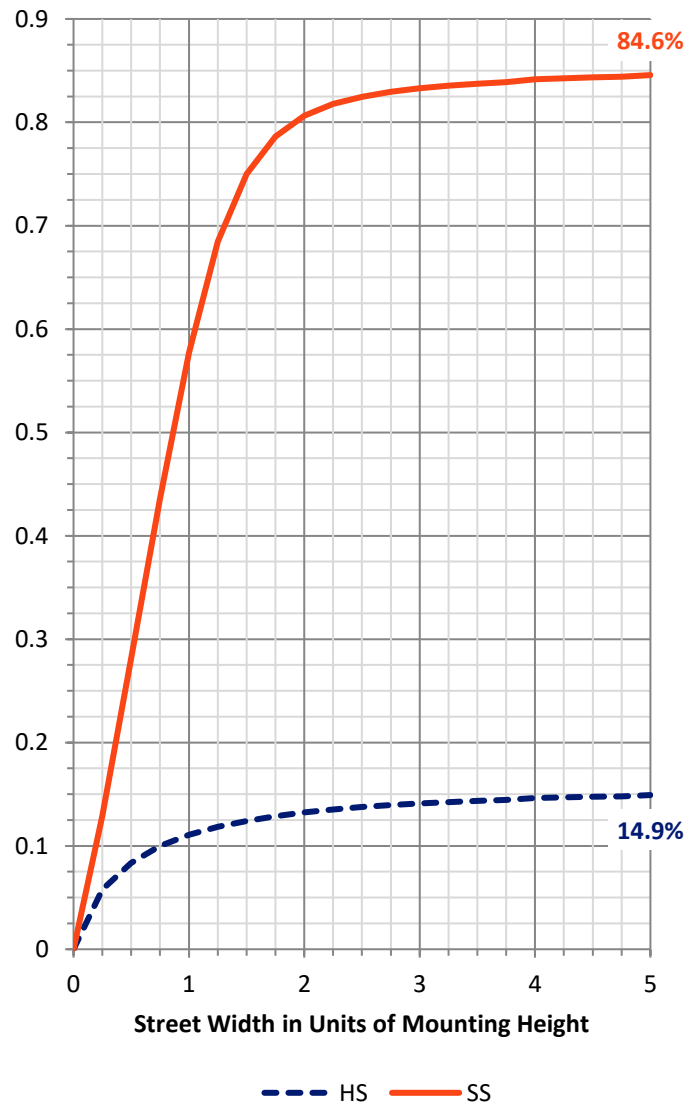
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	718.3	0.0	718.3
	% Fixture	15.2	0.0	15.2
<b>Street Side</b>	Lumens	4012.7	0.0	4012.7
	% Fixture	84.8	0.0	84.8
<b>Total</b>	Lumens	4731.0	0.0	4731.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.7	0.1
10°-20°	68.6	1.4
20°-30°	261.1	5.5
30°-40°	609.5	12.9
40°-50°	951.6	20.1
50°-60°	1092.3	23.1
60°-70°	1015.0	21.5
70°-80°	627.2	13.3
80°-90°	101.0	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°	4731.0	100.0
0°-180°	4731.0	100.0



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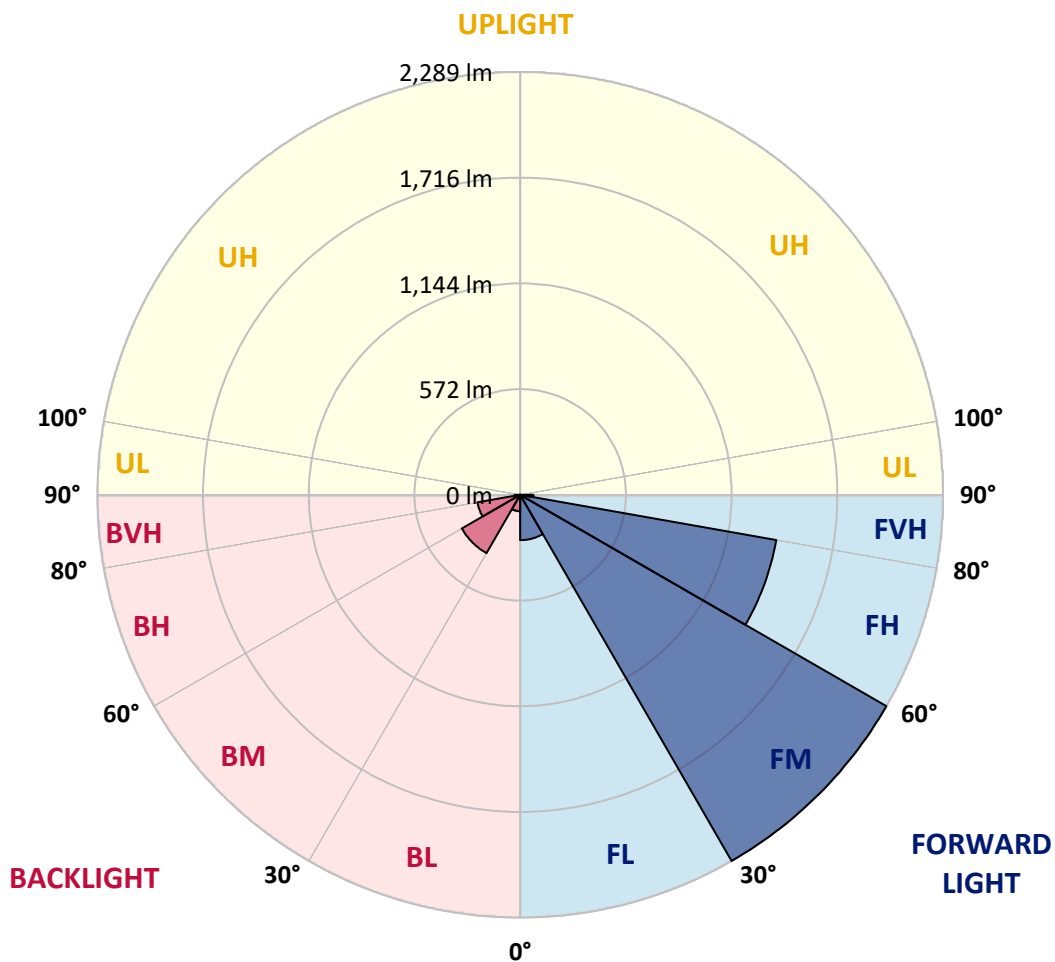
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	245.3	5.2			
FM	(30°-60°)	2288.6	48.4			
FH	(60°-80°)	1407.4	29.7			G1/1800
FVH	(80°-90°)	71.4	1.5			G1/100
BL	(0°-30°)	89.0	1.9	B0/110		
BM	(30°-60°)	364.9	7.7	B1/1000		
BH	(60°-80°)	234.8	5.0	B1/500		G1/500
BVH	(80°-90°)	29.5	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°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	3.6	3.6	4.2	4.7	5.7	5.2	3.6	2.6	2.1	2.1	2.1
5°	167.7	154.2	86.2	44.6	15.6	9.3	4.7	3.6	2.6	2.6	2.1
7.5°	189.5	188.4	186.9	185.3	182.7	172.8	18.2	5.2	3.1	3.1	2.1
10°	204.5	202.9	201.9	200.9	197.2	192.0	183.2	16.1	5.7	5.2	4.7
12.5°	397.1	396.0	394.5	252.3	213.8	208.1	200.4	143.3	16.6	24.9	75.3
15°	396.0	394.5	399.1	407.5	414.2	227.9	229.9	402.3	249.1	239.3	254.9
17.5°	413.2	411.1	405.9	411.6	424.1	476.5	450.5	435.5	293.3	279.8	272.0
20°	605.7	605.7	612.0	606.8	440.2	608.8	576.7	467.7	529.9	498.3	463.5
22.5°	641.0	638.4	639.5	649.8	764.0	631.2	636.3	721.5	736.5	672.7	576.7
25°	911.4	910.9	875.1	686.7	805.6	760.9	879.3	771.8	798.8	723.5	707.5
27.5°	1025.6	1026.7	997.6	971.7	851.2	986.7	933.2	1016.3	1134.6	1054.2	906.3
30°	1380.1	1366.6	1138.3	1112.8	1041.7	1040.2	1130.0	1200.0	1166.8	1128.9	1012.1
32.5°	1640.2	1626.7	1576.3	1400.4	1238.4	1158.5	1298.1	1255.6	1522.4	1584.6	1372.4
35°	2042.4	2037.8	1770.5	1588.8	1454.4	1400.9	1364.1	1529.6	1648.0	1657.3	1461.6
37.5°	2351.3	2336.2	2179.5	1859.2	1637.1	1513.5	1601.3	1603.9	1785.5	1741.4	1601.3
40°	2492.5	2483.1	2362.7	2062.2	1805.2	1665.6	1700.9	1716.0	1936.0	1859.7	1703.0
42.5°	2599.9	2588.5	2512.2	2184.1	1953.2	1819.8	1803.7	1817.2	2081.9	1989.0	1812.0
45°	2655.4	2648.7	2612.9	2270.8	2056.5	1917.9	1913.7	1906.5	2181.0	2148.3	1930.3
47.5°	2624.3	2617.0	2633.1	2388.6	2120.8	1998.3	2016.0	2003.0	2294.7	2348.2	2059.1
50°	2451.5	2458.2	2522.6	2393.3	2161.8	2063.7	2123.9	2091.8	2449.4	2558.9	2215.3
52.5°	1951.1	1978.6	2251.1	2289.5	2166.0	2094.3	2221.0	2227.2	2641.4	2784.2	2420.8
55°	1455.9	1494.9	1736.2	2036.2	2082.9	2095.4	2283.3	2351.3	2833.0	2984.5	2593.7
57.5°	1146.1	1169.9	1323.6	1624.6	1882.6	2058.5	2347.1	2452.0	3011.0	3184.9	2763.4
60°	916.1	901.6	1001.8	1230.1	1569.1	1955.2	2375.2	2583.3	3232.6	3443.3	2963.2
62.5°	662.3	663.3	739.6	869.9	1242.1	1751.3	2353.4	2710.5	3515.0	3777.6	3229.5
65°	469.7	474.4	526.3	596.4	897.9	1471.0	2245.4	2797.1	3833.7	4111.9	3445.9
67.5°	357.6	360.7	385.1	417.8	580.3	1119.1	2023.8	2779.5	4008.6	4270.2	3508.7
68°	343.1	337.9	365.4	389.3	534.1	1060.9	1963.0	2744.2	4016.9	4279.0	3493.7
70°	289.1	289.1	301.6	307.3	378.4	784.3	1665.6	2530.9	3987.3	4224.5	3379.5
72.5°	241.4	239.8	247.1	242.4	267.3	513.3	1209.9	2182.6	3776.1	3975.9	3039.5
75°	200.9	200.9	201.9	198.3	205.0	344.1	786.4	1709.7	3335.9	3319.8	2473.8
77.5°	171.3	167.1	166.1	160.9	166.6	250.2	482.2	1216.6	2408.4	2321.7	1570.6
80°	136.0	135.5	136.5	133.4	138.1	182.2	293.8	711.1	1311.6	1154.4	732.4
82.5°	84.1	92.4	101.7	101.7	116.3	128.7	178.0	380.5	635.8	559.0	310.9
85°	27.5	33.7	59.7	61.8	74.7	60.2	102.3	122.5	212.3	189.5	59.7
87.5°	1.0	1.6	4.7	7.3	6.7	4.2	7.3	5.7	11.9	8.8	9.3
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°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	2.1	2.1	2.1	2.6	2.6	1.6	1.0	2.1	2.1	2.1	2.1
5°	2.1	2.1	2.6	2.6	2.6	2.1	2.6	3.6	4.2	4.2	4.2
7.5°	2.1	2.1	2.1	3.1	3.1	3.6	5.2	31.1	71.6	78.4	77.3
10°	4.2	3.6	4.2	4.7	5.7	66.4	87.2	91.9	93.9	95.5	95.0
12.5°	99.7	89.3	16.6	9.3	62.8	93.4	95.0	98.6	102.3	103.8	103.8
15°	233.6	209.2	159.9	120.4	107.4	99.7	101.2	132.9	180.6	185.3	185.8
17.5°	248.1	217.5	167.1	184.3	190.0	147.9	162.5	182.7	184.8	185.3	185.3
20°	467.7	391.9	237.7	194.1	193.6	247.6	173.4	178.6	181.7	206.6	209.7
22.5°	506.1	419.9	285.5	275.6	208.7	247.6	226.8	220.6	241.4	239.3	240.8
25°	636.3	504.0	300.5	276.7	292.2	239.8	266.3	219.6	223.2	222.2	222.2
27.5°	809.2	635.8	419.9	309.9	283.9	277.2	246.5	211.3	253.3	254.3	254.3
30°	856.9	654.0	419.9	334.8	295.3	272.5	227.9	249.7	235.6	231.5	229.4
32.5°	1187.6	887.0	508.1	322.3	291.2	250.2	249.7	232.0	231.5	240.8	240.8
35°	1247.8	900.5	464.0	368.5	274.6	258.0	237.2	234.6	224.2	220.6	220.1
37.5°	1307.5	908.8	430.3	338.4	281.8	246.0	233.6	215.4	226.8	226.8	225.8
40°	1371.3	917.7	399.7	310.9	259.0	246.0	216.4	214.9	199.3	200.4	199.3
42.5°	1439.8	921.3	367.0	288.1	237.7	231.0	209.2	193.1	192.6	196.2	195.2
45°	1518.2	926.0	336.9	259.0	216.4	203.5	186.9	187.9	197.8	206.1	206.1
47.5°	1601.8	930.1	311.9	233.1	201.4	184.8	172.3	176.5	194.1	202.4	205.0
50°	1714.9	935.3	283.4	211.8	191.0	170.8	168.7	172.3	191.5	197.8	195.2
52.5°	1835.3	926.0	255.4	198.3	180.1	155.2	158.8	168.2	188.9	192.0	190.0
55°	1934.0	902.6	233.6	189.5	172.3	148.4	153.6	165.1	184.8	186.3	186.9
57.5°	2048.7	872.0	216.4	182.7	167.7	145.3	151.6	164.5	176.5	183.7	183.7
60°	2161.3	836.2	206.1	179.1	164.0	145.3	151.6	164.0	174.9	182.7	182.2
62.5°	2293.1	795.7	199.8	181.1	159.3	146.9	152.6	165.6	174.4	183.2	182.2
65°	2339.3	718.4	195.2	184.3	158.8	149.0	153.1	167.7	173.9	184.3	183.2
67.5°	2248.0	616.1	187.4	184.3	163.5	151.6	152.6	166.6	172.3	184.8	180.1
68°	2217.4	601.1	184.8	183.7	164.0	152.1	152.6	166.1	171.3	184.3	179.1
70°	2047.1	505.6	171.8	178.6	166.1	154.2	150.0	162.5	166.1	183.2	177.0
72.5°	1771.5	394.0	150.0	166.1	164.0	157.3	145.3	155.2	157.3	171.3	160.9
75°	1416.5	299.5	124.1	144.3	154.2	157.3	138.6	145.3	144.8	151.6	142.2
77.5°	890.7	213.8	100.2	122.5	140.1	153.1	132.4	132.4	126.1	127.2	123.0
80°	431.8	146.4	81.0	101.2	117.3	144.8	121.5	111.6	103.8	101.7	96.5
82.5°	212.3	94.5	56.1	76.3	92.9	119.9	109.0	91.9	78.4	77.3	69.0
85°	49.3	38.9	30.6	40.5	58.7	78.4	78.4	57.6	48.8	63.3	46.7
87.5°	4.7	5.7	6.2	5.7	7.3	6.7	16.6	16.6	15.1	9.9	6.7
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)