

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: P695230

Luminaire Tested: **LXF.LXT-PA16-40-827-U-T2U**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695230  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-40-827-U-T2U  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 80 CRI, 2700K, 740mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3700 lumens  
Efficiency: N/A  
Efficacy: 92.0 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

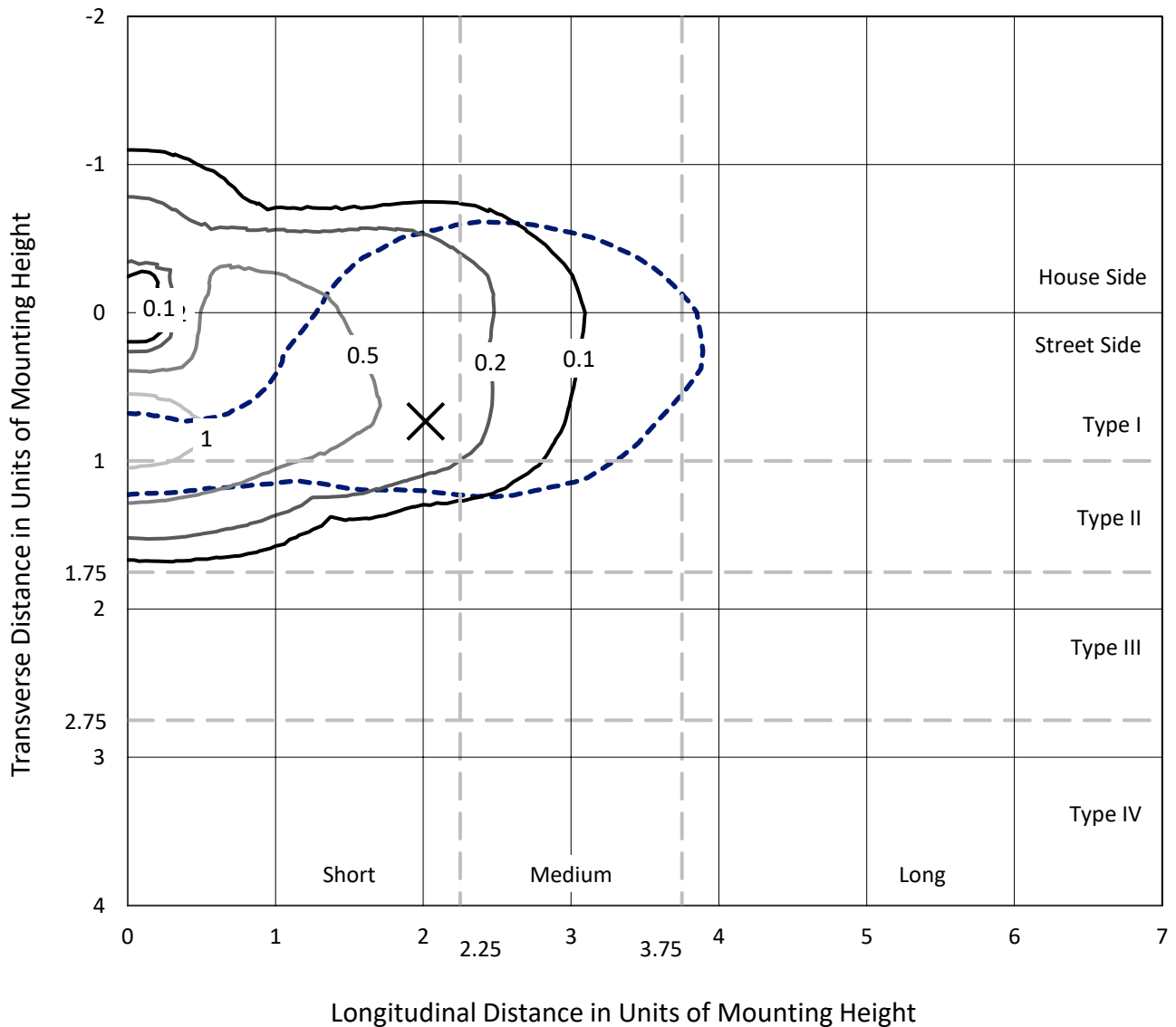
Input Watts (W): 40.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

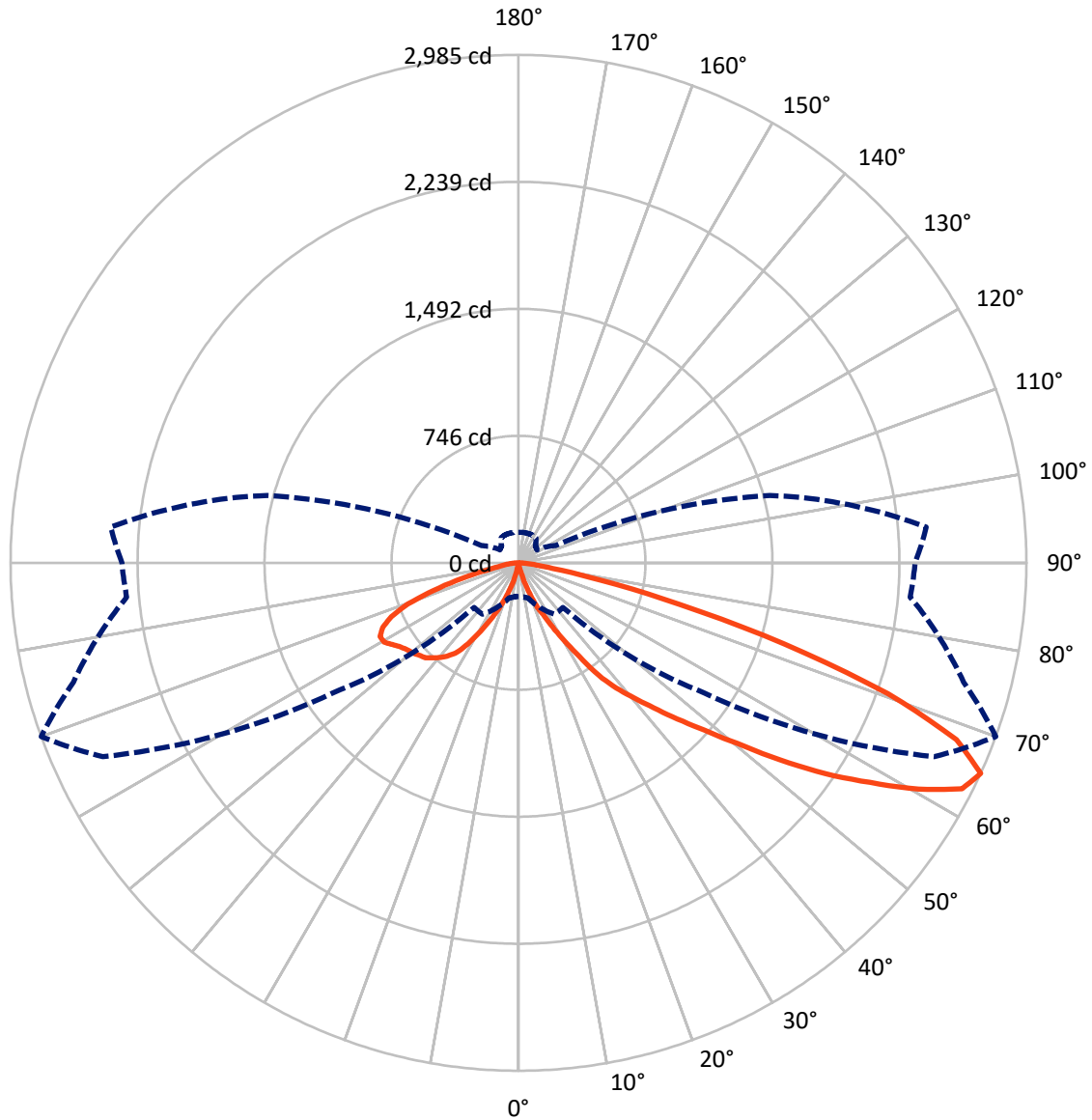
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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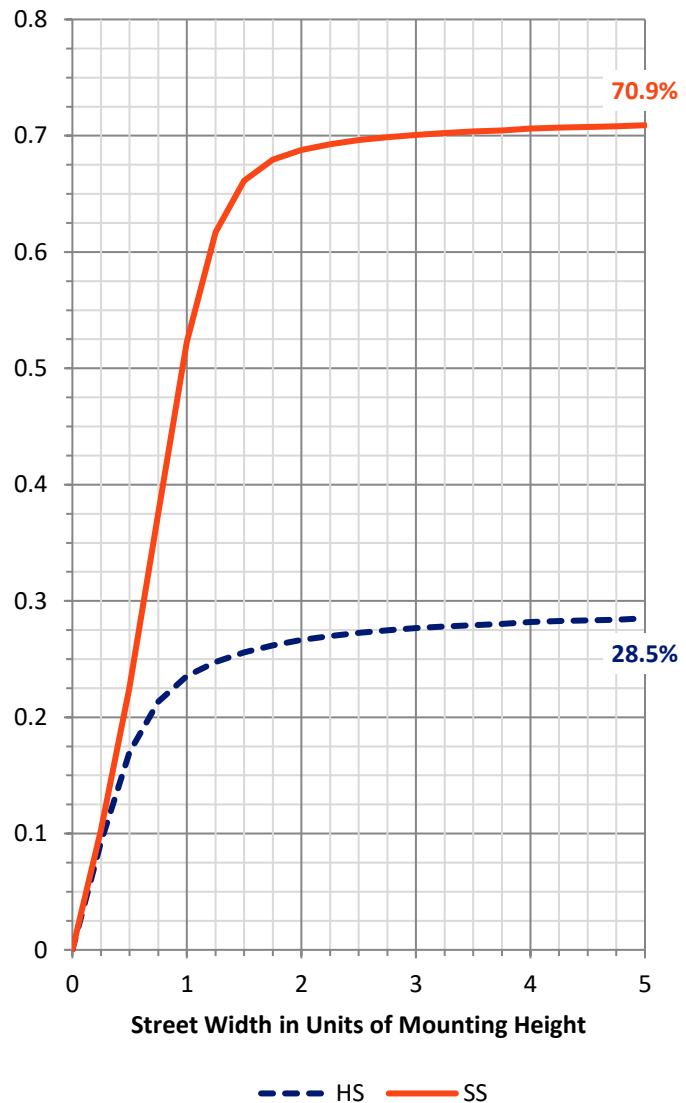
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1068.9	0.0	1068.9
	% Fixture	28.9	0.0	28.9
<b>Street Side</b>	Lumens	2631.1	0.0	2631.1
	% Fixture	71.1	0.0	71.1
<b>Total</b>	Lumens	3700.0	0.0	3700.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.1	0.0
10°-20°	27.1	0.7
20°-30°	170.6	4.6
30°-40°	453.6	12.3
40°-50°	776.5	21.0
50°-60°	950.0	25.7
60°-70°	853.0	23.1
70°-80°	420.2	11.4
80°-90°	48.9	1.3
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°	3700.0	100.0
0°-180°	3700.0	100.0

**Coefficient of Utilization**



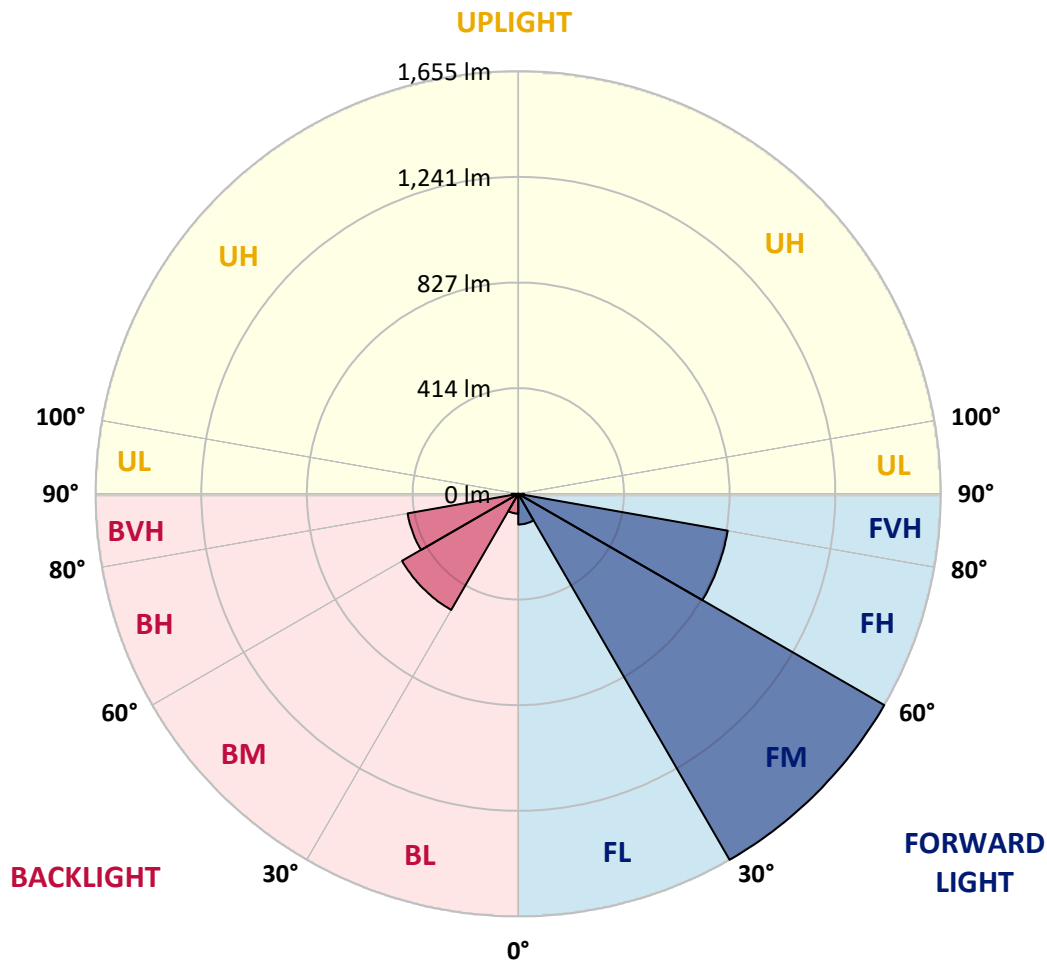
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	120.1	3.2			
FM (30°-60°)	1654.9	44.7			
FH (60°-80°)	833.1	22.5			G1/1800
FVH (80°-90°)	23.1	0.6			G1/100
BL (0°-30°)	77.7	2.1	B0/110		
BM (30°-60°)	525.2	14.2	B1/1000		
BH (60°-80°)	440.1	11.9	B1/500		G1/500
BVH (80°-90°)	25.9	0.7			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°	70°	75°	85°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	0.0	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0
5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
7.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
10°	8.6	8.6	7.4	4.9	2.5	1.2	1.2	2.5	2.5	2.5	3.7
12.5°	110.9	112.1	108.4	75.1	14.8	4.9	4.9	14.8	38.2	51.7	57.9
15°	126.9	126.9	124.4	122.0	117.0	25.9	46.8	71.5	75.1	107.2	119.5
17.5°	173.7	165.1	146.6	138.0	133.0	141.7	104.7	133.0	136.7	139.2	147.8
20°	330.2	324.0	312.9	259.9	183.6	202.0	192.2	171.2	205.7	214.4	218.0
22.5°	394.2	388.1	377.0	352.3	322.8	234.1	259.9	237.8	287.0	299.4	296.9
25°	667.7	664.0	565.5	421.3	420.1	367.1	342.5	321.5	335.1	377.0	396.7
27.5°	771.2	769.9	739.2	666.5	489.1	450.9	410.2	437.3	427.5	479.2	495.2
30°	1102.6	1037.3	921.5	765.0	687.4	549.4	555.6	571.6	531.0	563.0	603.6
32.5°	1358.8	1347.7	1276.3	1020.0	792.1	677.6	677.6	683.7	655.4	680.0	725.6
35°	1591.6	1569.5	1458.6	1213.4	1005.2	822.9	786.0	820.5	813.1	813.1	786.0
37.5°	1739.5	1734.5	1648.3	1397.0	1162.9	943.6	914.1	932.6	933.8	937.5	857.4
40°	1879.9	1867.6	1814.6	1563.3	1366.2	1096.4	1038.5	1068.1	1042.2	1059.4	948.6
42.5°	1952.6	1936.6	1905.8	1735.8	1590.4	1377.3	1208.5	1190.0	1164.2	1183.9	1058.2
45°	1961.2	1925.5	1934.1	1840.5	1774.0	1621.2	1378.5	1318.2	1308.3	1320.6	1185.1
47.5°	1840.5	1804.8	1865.1	1840.5	1879.9	1797.4	1605.2	1490.6	1469.7	1477.1	1316.9
50°	1562.1	1558.4	1643.4	1730.8	1895.9	1919.3	1886.1	1677.9	1666.8	1661.9	1467.2
52.5°	1289.8	1273.8	1348.9	1480.8	1756.7	1914.4	2115.2	1916.9	1921.8	1865.1	1617.5
55°	983.1	1001.5	1076.7	1182.6	1454.9	1814.6	2293.8	2228.5	2187.9	2061.0	1766.6
57.5°	599.9	659.1	779.8	888.2	1162.9	1559.6	2313.5	2500.8	2435.5	2259.3	1919.3
60°	349.9	351.1	446.0	630.7	838.9	1117.3	2183.0	2737.3	2701.6	2468.8	2074.5
62.5°	245.2	250.1	277.2	434.9	524.8	694.8	1851.6	2839.6	2924.6	2622.8	2229.8
65°	198.3	198.3	213.1	284.6	369.6	369.6	1332.9	2695.4	2984.9	2707.8	2311.1
67.5°	186.0	186.0	193.4	208.2	285.8	243.9	650.5	2330.8	2776.7	2662.2	2322.2
70°	165.1	165.1	179.9	186.0	223.0	187.3	279.6	1751.8	2303.7	2425.6	2247.0
72.5°	139.2	141.7	154.0	176.2	174.9	147.8	189.7	1060.7	1632.3	1919.3	2064.7
75°	114.6	117.0	125.7	144.1	161.4	112.1	151.5	523.6	976.9	1282.4	1655.7
77.5°	89.9	88.7	101.0	117.0	131.8	86.2	110.9	227.9	486.6	725.6	990.5
80°	60.4	60.4	72.7	88.7	91.2	81.3	76.4	142.9	203.3	298.1	394.2
82.5°	38.2	39.4	46.8	55.4	62.8	69.0	55.4	87.5	105.9	120.7	113.3
85°	8.6	7.4	12.3	16.0	23.4	24.6	27.1	29.6	37.0	39.4	34.5
87.5°	0.0	0.0	1.2	1.2	1.2	2.5	2.5	4.9	4.9	6.2	6.2
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°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
5°	0.0	0.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	0.0	0.0
7.5°	0.0	0.0	1.2	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
10°	3.7	3.7	2.5	1.2	1.2	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	60.4	59.1	55.4	17.2	4.9	1.2	0.0	1.2	2.5	3.7	4.9
15°	120.7	119.5	113.3	76.4	64.1	8.6	3.7	17.2	78.8	109.6	113.3
17.5°	147.8	149.1	142.9	140.4	102.2	65.3	69.0	129.4	135.5	138.0	138.0
20°	218.0	216.8	213.1	190.9	142.9	128.1	165.1	141.7	146.6	151.5	154.0
22.5°	295.7	293.2	288.3	230.4	200.8	204.5	179.9	190.9	256.2	259.9	261.2
25°	388.1	379.4	352.3	300.6	289.5	248.8	264.9	246.4	251.3	252.5	251.3
27.5°	481.7	471.8	409.0	378.2	344.9	261.2	272.3	251.3	282.1	314.1	314.1
30°	580.2	561.8	489.1	460.7	390.5	314.1	266.1	278.4	284.6	283.3	283.3
32.5°	689.9	655.4	560.5	561.8	417.6	312.9	274.7	253.8	267.3	314.1	315.4
35°	747.8	703.4	649.2	627.0	450.9	288.3	243.9	263.6	287.0	289.5	288.3
37.5°	805.7	747.8	686.2	681.3	433.6	262.4	239.0	250.1	259.9	256.2	256.2
40°	883.3	815.5	756.4	683.7	405.3	237.8	229.1	235.3	236.5	232.8	232.8
42.5°	980.6	901.8	841.4	662.8	353.6	221.7	219.3	223.0	225.4	220.5	219.3
45°	1095.2	1002.8	926.4	638.1	288.3	213.1	214.4	214.4	218.0	213.1	211.9
47.5°	1225.8	1129.7	986.8	606.1	243.9	205.7	210.7	208.2	210.7	204.5	203.3
50°	1372.4	1263.9	1070.5	561.8	220.5	195.9	208.2	200.8	203.3	199.6	199.6
52.5°	1509.1	1415.5	1151.8	507.5	202.0	188.5	199.6	199.6	202.0	198.3	197.1
55°	1659.4	1580.5	1247.9	453.3	183.6	182.3	198.3	200.8	199.6	195.9	195.9
57.5°	1814.6	1775.2	1344.0	421.3	167.5	171.2	197.1	202.0	198.3	194.6	193.4
60°	1995.7	2019.1	1438.9	395.4	152.8	160.1	193.4	197.1	194.6	190.9	190.9
62.5°	2186.7	2266.7	1512.8	330.2	142.9	150.3	186.0	190.9	187.3	186.0	186.0
65°	2330.8	2405.9	1528.8	240.2	133.0	140.4	178.6	182.3	181.1	179.9	179.9
67.5°	2391.2	2412.1	1453.7	171.2	123.2	131.8	170.0	174.9	171.2	173.7	172.5
70°	2359.1	2251.9	1246.7	141.7	113.3	120.7	158.9	162.6	160.1	166.3	163.8
72.5°	2102.9	1883.6	930.1	119.5	104.7	109.6	146.6	149.1	147.8	150.3	145.4
75°	1595.3	1337.9	581.5	105.9	94.9	97.3	130.6	135.5	131.8	130.6	125.7
77.5°	920.2	806.9	290.7	96.1	85.0	83.8	114.6	118.3	115.8	108.4	110.9
80°	341.2	282.1	130.6	83.8	73.9	70.2	94.9	98.6	96.1	88.7	88.7
82.5°	98.6	91.2	80.1	69.0	64.1	55.4	76.4	80.1	78.8	75.1	70.2
85°	30.8	32.0	40.7	44.3	46.8	39.4	57.9	57.9	53.0	48.0	39.4
87.5°	3.7	6.2	7.4	12.3	14.8	11.1	14.8	16.0	14.8	9.9	9.9
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)