

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: P695355

Luminaire Tested: **LXF.LXT-PA16-50-730-U-T3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695355
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-16)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-50-730-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5464 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

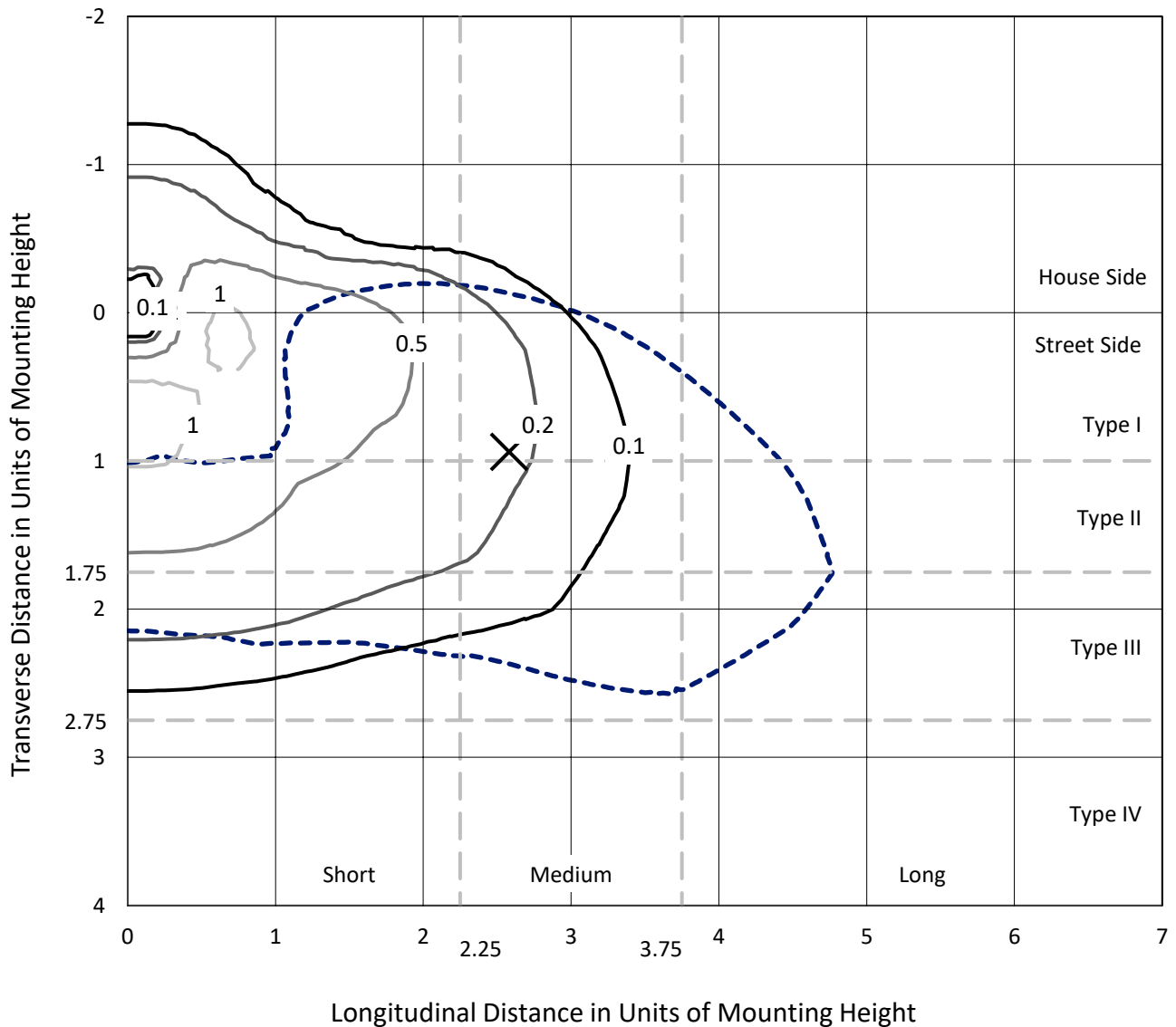
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

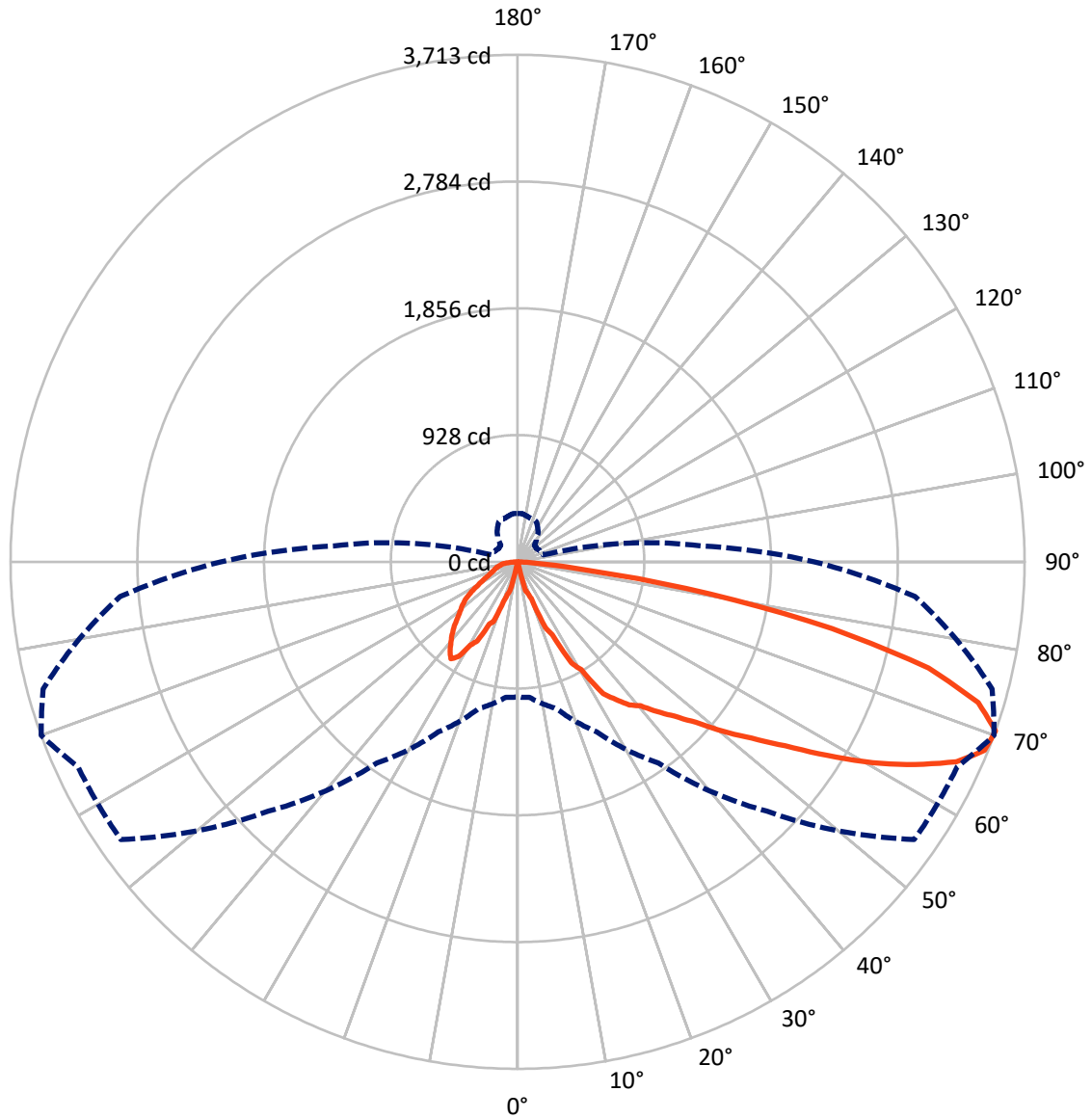
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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

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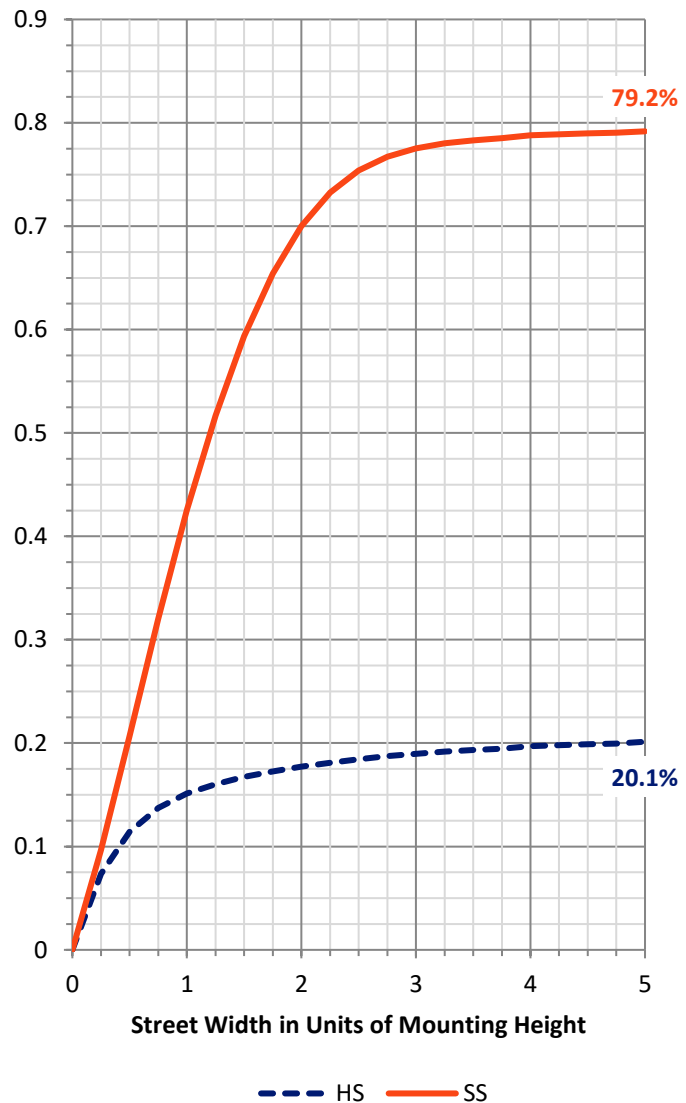
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1126.0	0.0	1126.0
	% Fixture	20.6	0.0	20.6
Street Side	Lumens	4338.0	0.0	4338.0
	% Fixture	79.4	0.0	79.4
Total	Lumens	5464.0	0.0	5464.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	46.3	0.8
20°-30°	261.4	4.8
30°-40°	581.3	10.6
40°-50°	831.4	15.2
50°-60°	1208.2	22.1
60°-70°	1516.3	27.8
70°-80°	900.5	16.5
80°-90°	118.4	2.2
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°	5464.0	100.0
0°-180°	5464.0	100.0

Coefficient of Utilization

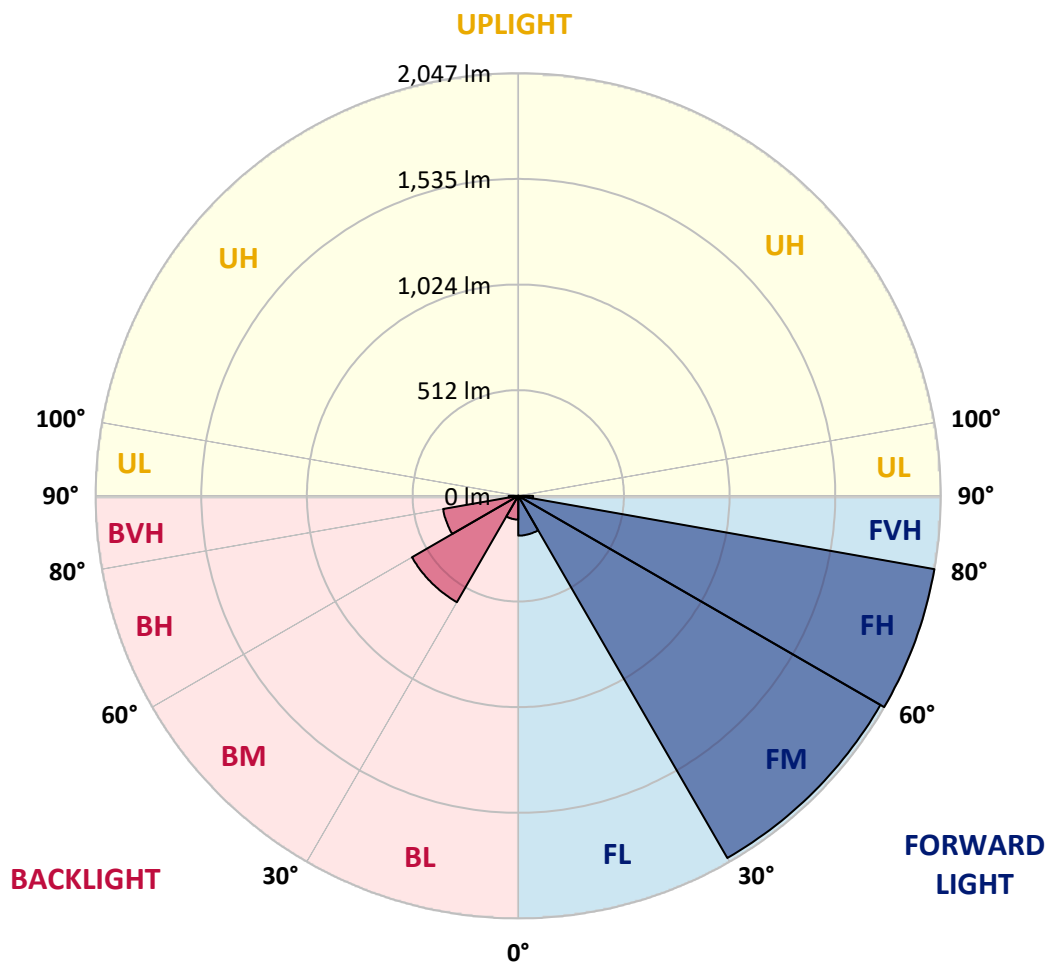


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	192.8	3.5			
FM (30°-60°)	2026.1	37.1			
FH (60°-80°)	2047.2	37.5			G2/5000
FVH (80°-90°)	71.9	1.3			G1/100
BL (0°-30°)	115.1	2.1	B1/500		
BM (30°-60°)	594.8	10.9	B1/1000		
BH (60°-80°)	369.6	6.8	B1/500		G1/500
BVH (80°-90°)	46.5	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
5°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
7.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
10°	24.4	26.3	16.9	9.4	3.8	1.9	1.9	1.9	1.9	1.9	1.9
12.5°	217.9	217.9	216.1	139.0	43.2	9.4	3.8	11.3	20.7	22.5	33.8
15°	242.4	242.4	242.4	238.6	227.3	78.9	35.7	199.2	217.9	223.6	223.6
17.5°	319.4	325.0	295.0	264.9	251.8	219.8	212.3	238.6	242.4	246.1	248.0
20°	543.0	543.0	543.0	484.7	298.7	385.2	353.2	272.4	285.6	342.0	471.6
22.5°	605.0	603.1	590.0	571.2	612.5	428.4	402.1	475.3	524.2	541.1	533.6
25°	926.3	924.4	875.5	646.3	674.5	578.7	605.0	603.1	591.8	597.5	590.0
27.5°	1005.2	1001.4	997.7	909.4	745.9	781.6	702.7	785.4	838.0	877.4	853.0
30°	1412.9	1332.1	1170.5	1031.5	952.6	838.0	903.7	952.6	916.9	933.8	894.3
32.5°	1493.7	1501.2	1493.7	1300.2	1059.7	954.5	1014.6	1010.8	1151.7	1200.6	1187.4
35°	1574.5	1568.8	1557.6	1384.7	1232.5	1101.0	1069.1	1238.2	1238.2	1266.3	1226.9
37.5°	1638.4	1636.5	1621.4	1431.7	1319.0	1153.6	1210.0	1328.3	1330.2	1358.4	1272.0
40°	1692.8	1694.7	1689.1	1482.4	1388.5	1210.0	1275.7	1416.7	1386.6	1427.9	1347.1
42.5°	1739.8	1745.5	1754.8	1557.6	1448.6	1266.3	1337.7	1480.5	1499.3	1548.2	1456.1
45°	1826.2	1837.5	1850.7	1675.9	1529.4	1341.5	1422.3	1608.3	1612.1	1685.3	1606.4
47.5°	1935.2	1942.7	1970.9	1803.7	1649.6	1450.5	1508.7	1702.2	1756.7	1848.8	1786.8
50°	2029.2	2044.2	2081.8	1959.6	1815.0	1610.2	1630.8	1841.3	1950.2	2032.9	1976.5
52.5°	2100.6	2113.7	2170.1	2091.2	1989.7	1781.1	1784.9	2034.8	2145.6	2260.3	2226.4
55°	2158.8	2173.8	2226.4	2215.2	2149.4	1922.1	1997.2	2220.8	2376.7	2512.0	2474.4
57.5°	2168.2	2166.3	2265.9	2299.7	2260.3	2108.1	2265.9	2423.7	2673.6	2780.7	2782.6
60°	2125.0	2134.4	2252.7	2356.1	2359.8	2299.7	2559.0	2694.3	2987.4	3058.8	3081.3
62.5°	2032.9	2053.6	2185.1	2356.1	2440.6	2491.4	2844.6	2998.6	3269.2	3306.8	3282.3
65°	1858.2	1865.7	1995.3	2247.1	2448.1	2666.1	3139.6	3263.6	3530.4	3492.8	3327.4
67.5°	1501.2	1523.7	1644.0	1935.2	2269.6	2743.1	3408.2	3462.7	3686.3	3607.4	3216.6
70°	990.2	995.8	1114.2	1373.4	1798.1	2583.4	3545.4	3551.0	3712.6	3596.1	2921.6
72.5°	430.3	396.4	509.2	717.7	1102.9	2014.1	3378.2	3459.0	3526.6	3383.8	2420.0
75°	186.0	189.8	219.8	296.9	511.0	1138.6	2810.8	3015.6	3107.6	2882.2	1764.2
77.5°	139.0	139.0	159.7	180.4	238.6	430.3	1831.9	2245.2	2354.2	2087.4	1097.2
80°	101.5	105.2	120.2	131.5	154.1	174.7	913.1	1360.3	1429.8	1087.9	482.9
82.5°	77.0	77.0	86.4	93.9	105.2	105.2	310.0	584.3	529.8	370.1	167.2
85°	33.8	28.2	45.1	43.2	47.0	37.6	82.7	107.1	107.1	84.5	37.6
87.5°	0.0	1.9	1.9	1.9	3.8	3.8	7.5	5.6	7.5	7.5	5.6
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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9
5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9
7.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	1.9	1.9	1.9	1.9
10°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	1.9	1.9	1.9	1.9
12.5°	30.1	35.7	22.5	11.3	1.9	0.0	0.0	1.9	1.9	3.8	3.8
15°	227.3	225.5	225.5	206.7	35.7	5.6	3.8	18.8	63.9	135.3	133.4
17.5°	248.0	248.0	248.0	238.6	216.1	60.1	60.1	199.2	216.1	217.9	219.8
20°	469.7	464.1	358.9	257.4	227.3	216.1	197.3	217.9	221.7	223.6	227.3
22.5°	528.0	522.3	497.9	447.2	255.5	313.8	283.7	233.0	347.6	364.5	368.3
25°	586.2	571.2	533.6	467.8	428.4	317.5	332.6	332.6	347.6	345.7	347.6
27.5°	836.1	819.2	768.4	531.7	464.1	372.0	368.3	325.0	349.5	398.3	402.1
30°	875.5	854.9	785.4	612.5	488.5	405.8	343.8	387.0	405.8	400.2	402.1
32.5°	1155.5	1131.1	1020.2	616.3	492.3	373.9	381.4	387.0	394.6	430.3	434.0
35°	1191.2	1168.6	1018.3	706.4	454.7	372.0	368.3	394.6	437.8	443.4	445.3
37.5°	1241.9	1219.4	997.7	644.4	452.8	368.3	358.9	388.9	404.0	398.3	394.6
40°	1315.2	1281.4	958.2	576.8	411.5	349.5	349.5	357.0	368.3	347.6	342.0
42.5°	1424.2	1354.6	915.0	516.7	377.6	325.0	325.0	326.9	319.4	300.6	300.6
45°	1542.5	1416.7	858.6	462.2	343.8	298.7	300.6	287.5	295.0	279.9	279.9
47.5°	1681.6	1491.8	789.1	409.6	313.8	274.3	270.6	272.4	281.8	270.6	270.6
50°	1841.3	1582.0	736.5	362.6	287.5	249.9	259.3	264.9	276.2	266.8	264.9
52.5°	2031.0	1677.8	695.2	325.0	264.9	229.2	251.8	259.3	272.4	266.8	264.9
55°	2252.7	1798.1	629.4	295.0	244.3	217.9	246.1	259.3	274.3	270.6	268.7
57.5°	2459.4	1901.4	537.4	264.9	229.2	210.4	244.3	259.3	278.1	274.3	272.4
60°	2645.4	1999.1	424.6	242.4	216.1	201.0	238.6	259.3	279.9	281.8	279.9
62.5°	2739.4	2004.7	343.8	225.5	202.9	191.6	233.0	257.4	278.1	289.3	289.3
65°	2694.3	1892.0	274.3	208.6	191.6	180.4	227.3	263.0	295.0	313.8	313.8
67.5°	2510.1	1664.7	227.3	195.4	178.5	171.0	234.9	296.9	326.9	345.7	345.7
70°	2173.8	1345.3	195.4	184.1	169.1	174.7	261.2	325.0	334.4	355.1	353.2
72.5°	1724.8	1005.2	174.7	172.9	163.5	184.1	278.1	313.8	313.8	321.3	313.8
75°	1213.7	638.8	157.8	161.6	150.3	169.1	263.0	293.1	279.9	276.2	274.3
77.5°	691.4	345.7	139.0	146.6	135.3	146.6	229.2	261.2	248.0	238.6	234.9
80°	296.9	176.6	120.2	131.5	118.4	124.0	191.6	225.5	216.1	204.8	201.0
82.5°	118.4	92.1	101.5	116.5	99.6	105.2	163.5	191.6	184.1	172.9	161.6
85°	33.8	35.7	62.0	82.7	75.2	82.7	131.5	152.2	140.9	110.9	107.1
87.5°	3.8	5.6	13.2	16.9	18.8	15.0	30.1	41.3	37.6	28.2	22.5
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)