

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: P696045

Luminaire Tested: **LXF.LXT-PA16-827-U-T3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P696045
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-PA16-827-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5665 lumens
Efficiency: N/A
Efficacy: 78.7 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

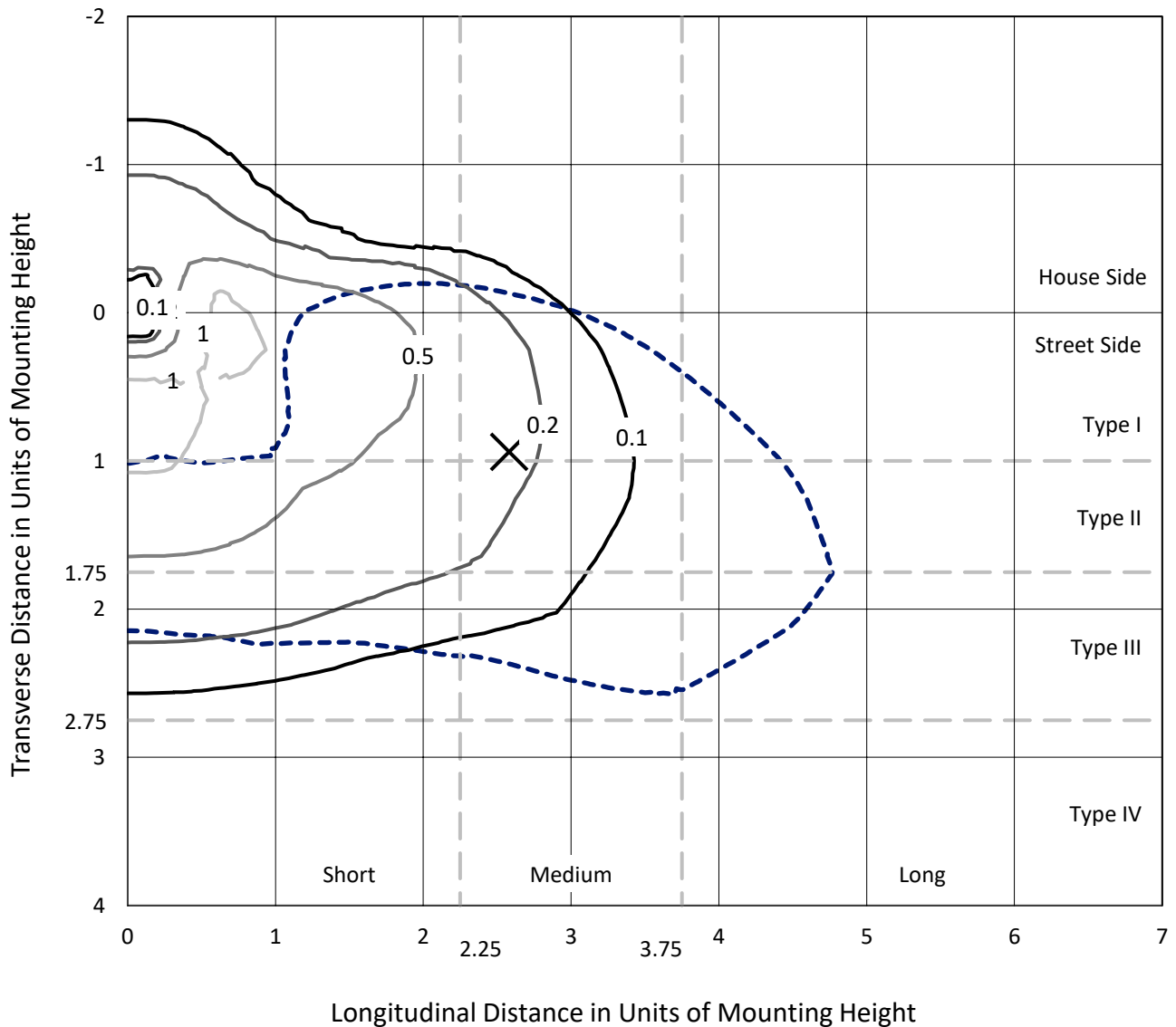
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

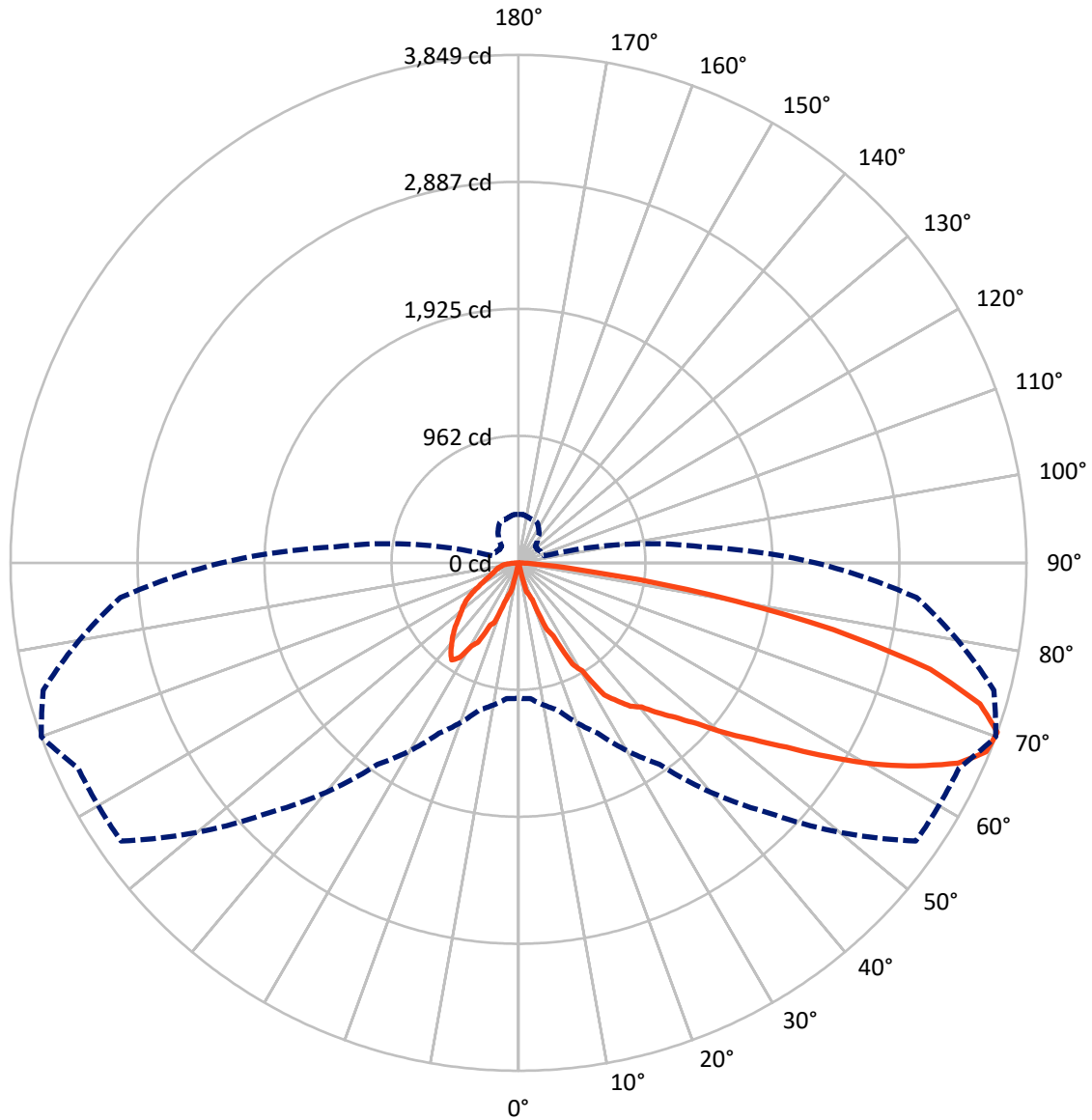
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 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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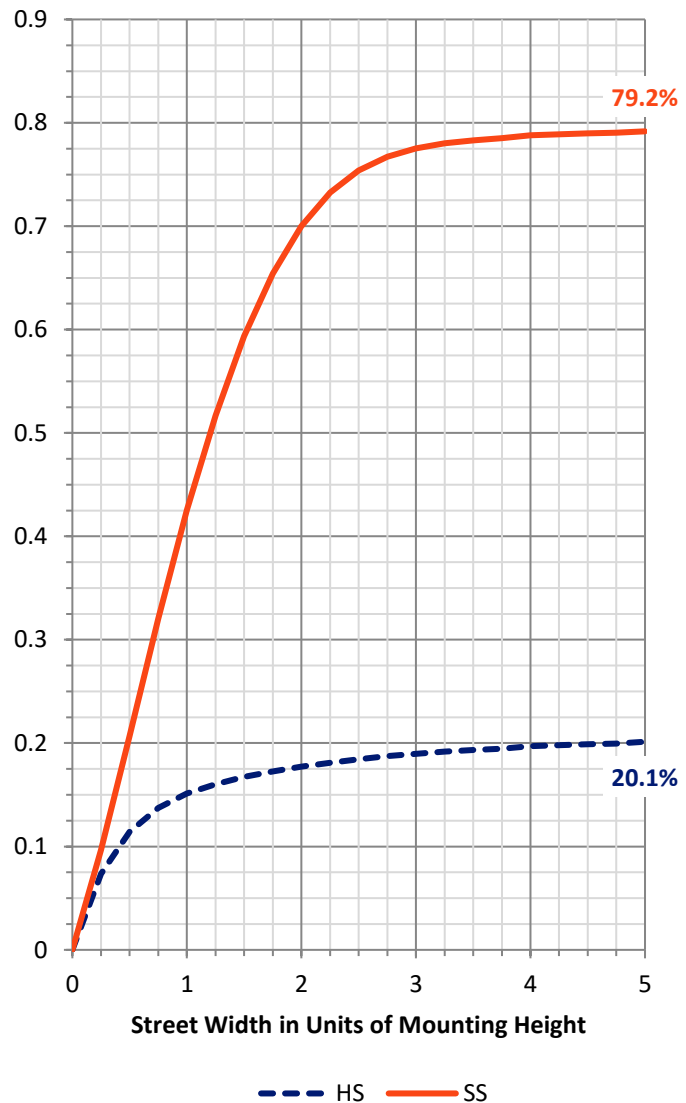
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1167.5	0.0	1167.5
	% Fixture	20.6	0.0	20.6
Street Side	Lumens	4497.5	0.0	4497.5
	% Fixture	79.4	0.0	79.4
Total	Lumens	5665.0	0.0	5665.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	48.0	0.8
20°-30°	271.0	4.8
30°-40°	602.7	10.6
40°-50°	862.0	15.2
50°-60°	1252.6	22.1
60°-70°	1572.1	27.8
70°-80°	933.7	16.5
80°-90°	122.7	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°	5665.0	100.0
0°-180°	5665.0	100.0

Coefficient of Utilization

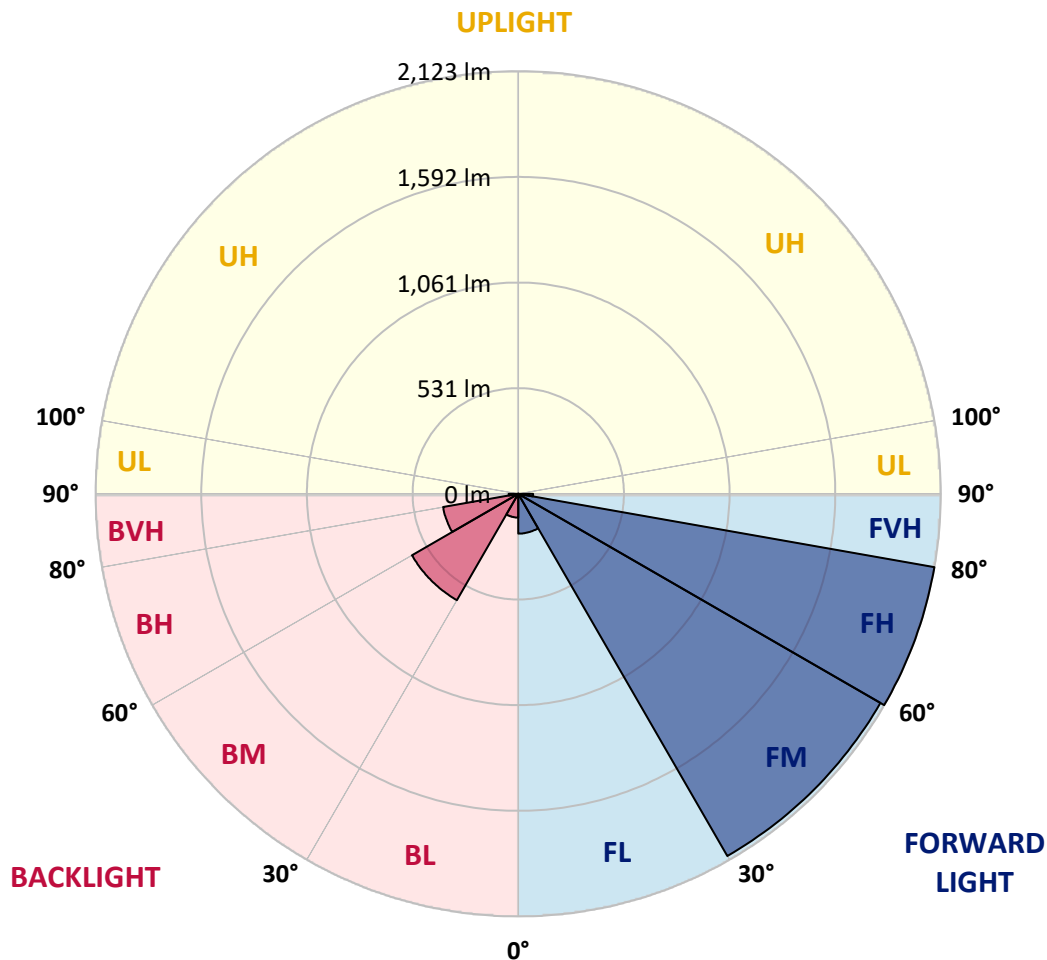


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	199.9	3.5			
FM	(30°-60°)	2100.6	37.1			
FH	(60°-80°)	2122.5	37.5			G2/5000
FVH	(80°-90°)	74.5	1.3			G1/100
BL	(0°-30°)	119.3	2.1	B1/500		
BM	(30°-60°)	616.7	10.9	B1/1000		
BH	(60°-80°)	383.2	6.8	B1/500		G1/500
BVH	(80°-90°)	48.2	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°	25.3	27.3	17.5	9.7	3.9	1.9	1.9	1.9	1.9	1.9	1.9
12.5°	226.0	226.0	224.0	144.1	44.8	9.7	3.9	11.7	21.4	23.4	35.1
15°	251.3	251.3	251.3	247.4	235.7	81.8	37.0	206.5	226.0	231.8	231.8
17.5°	331.2	337.0	305.8	274.7	261.0	227.9	220.1	247.4	251.3	255.2	257.1
20°	563.0	563.0	563.0	502.6	309.7	399.3	366.2	282.5	296.1	354.5	488.9
22.5°	627.2	625.3	611.7	592.2	635.0	444.1	416.9	492.8	543.5	561.0	553.2
25°	960.3	958.4	907.8	670.1	699.3	600.0	627.2	625.3	613.6	619.5	611.7
27.5°	1042.2	1038.3	1034.4	942.8	773.3	810.4	728.5	814.2	868.8	909.7	884.4
30°	1464.9	1381.1	1213.6	1069.4	987.6	868.8	937.0	987.6	950.6	968.1	927.2
32.5°	1548.6	1556.4	1548.6	1348.0	1098.7	989.6	1051.9	1048.0	1194.1	1244.7	1231.1
35°	1632.4	1626.6	1614.9	1435.6	1277.9	1141.5	1108.4	1283.7	1283.7	1312.9	1272.0
37.5°	1698.6	1696.7	1681.1	1484.3	1367.5	1196.1	1254.5	1377.2	1379.2	1408.4	1318.8
40°	1755.1	1757.1	1751.2	1536.9	1439.5	1254.5	1322.7	1468.8	1437.6	1480.5	1396.7
42.5°	1803.8	1809.7	1819.4	1614.9	1501.9	1312.9	1387.0	1535.0	1554.5	1605.1	1509.7
45°	1893.4	1905.1	1918.7	1737.6	1585.6	1390.8	1474.6	1667.5	1671.4	1747.3	1665.5
47.5°	2006.4	2014.2	2043.4	1870.0	1710.3	1503.8	1564.2	1764.9	1821.3	1916.8	1852.5
50°	2103.8	2119.4	2158.3	2031.7	1881.7	1669.4	1690.8	1909.0	2022.0	2107.7	2049.3
52.5°	2177.8	2191.5	2249.9	2168.1	2062.9	1846.7	1850.6	2109.6	2224.6	2343.4	2308.3
55°	2238.2	2253.8	2308.3	2296.7	2228.5	1992.8	2070.7	2302.5	2464.2	2604.4	2565.5
57.5°	2248.0	2246.0	2349.2	2384.3	2343.4	2185.6	2349.2	2512.9	2772.0	2883.0	2884.9
60°	2203.1	2212.9	2335.6	2442.7	2446.6	2384.3	2653.1	2793.4	3097.3	3171.3	3194.7
62.5°	2107.7	2129.1	2265.5	2442.7	2530.4	2583.0	2949.2	3109.0	3389.5	3428.4	3403.1
65°	1926.5	1934.3	2068.7	2329.8	2538.2	2764.2	3255.0	3383.6	3660.2	3621.3	3449.8
67.5°	1556.4	1579.8	1704.5	2006.4	2353.1	2844.0	3533.6	3590.1	3821.9	3740.1	3334.9
70°	1026.6	1032.4	1155.1	1424.0	1864.2	2678.5	3675.8	3681.7	3849.2	3728.4	3029.1
72.5°	446.1	411.0	527.9	744.1	1143.5	2088.2	3502.4	3586.2	3656.3	3508.3	2509.0
75°	192.8	196.7	227.9	307.8	529.8	1180.5	2914.2	3126.5	3221.9	2988.2	1829.1
77.5°	144.1	144.1	165.6	187.0	247.4	446.1	1899.3	2327.8	2440.8	2164.2	1137.6
80°	105.2	109.1	124.7	136.4	159.7	181.2	946.7	1410.3	1482.4	1127.9	500.6
82.5°	79.9	79.9	89.6	97.4	109.1	109.1	321.4	605.8	549.3	383.7	173.4
85°	35.1	29.2	46.8	44.8	48.7	39.0	85.7	111.0	111.0	87.7	39.0
87.5°	0.0	1.9	1.9	1.9	3.9	3.9	7.8	5.8	7.8	7.8	5.8
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°	31.2	37.0	23.4	11.7	1.9	0.0	0.0	1.9	1.9	3.9	3.9
15°	235.7	233.8	233.8	214.3	37.0	5.8	3.9	19.5	66.2	140.3	138.3
17.5°	257.1	257.1	257.1	247.4	224.0	62.3	62.3	206.5	224.0	226.0	227.9
20°	487.0	481.1	372.1	266.9	235.7	224.0	204.5	226.0	229.9	231.8	235.7
22.5°	547.4	541.5	516.2	463.6	264.9	325.3	294.1	241.5	360.4	377.9	381.8
25°	607.8	592.2	553.2	485.0	444.1	329.2	344.8	344.8	360.4	358.4	360.4
27.5°	866.8	849.3	796.7	551.3	481.1	385.7	381.8	337.0	362.3	413.0	416.9
30°	907.8	886.3	814.2	635.0	506.5	420.8	356.5	401.3	420.8	414.9	416.9
32.5°	1198.0	1172.7	1057.7	638.9	510.4	387.6	395.4	401.3	409.1	446.1	450.0
35°	1235.0	1211.6	1055.8	732.4	471.4	385.7	381.8	409.1	453.9	459.7	461.7
37.5°	1287.6	1264.2	1034.4	668.2	469.5	381.8	372.1	403.2	418.8	413.0	409.1
40°	1363.6	1328.5	993.5	598.0	426.6	362.3	362.3	370.1	381.8	360.4	354.5
42.5°	1476.6	1404.5	948.7	535.7	391.5	337.0	337.0	338.9	331.2	311.7	311.7
45°	1599.3	1468.8	890.2	479.2	356.5	309.7	311.7	298.0	305.8	290.2	290.2
47.5°	1743.4	1546.7	818.1	424.7	325.3	284.4	280.5	282.5	292.2	280.5	280.5
50°	1909.0	1640.2	763.6	376.0	298.0	259.1	268.8	274.7	286.4	276.6	274.7
52.5°	2105.7	1739.5	720.7	337.0	274.7	237.7	261.0	268.8	282.5	276.6	274.7
55°	2335.6	1864.2	652.6	305.8	253.2	226.0	255.2	268.8	284.4	280.5	278.6
57.5°	2549.9	1971.3	557.1	274.7	237.7	218.2	253.2	268.8	288.3	284.4	282.5
60°	2742.7	2072.6	440.2	251.3	224.0	208.4	247.4	268.8	290.2	292.2	290.2
62.5°	2840.1	2078.5	356.5	233.8	210.4	198.7	241.5	266.9	288.3	300.0	300.0
65°	2793.4	1961.6	284.4	216.2	198.7	187.0	235.7	272.7	305.8	325.3	325.3
67.5°	2602.5	1725.9	235.7	202.6	185.1	177.3	243.5	307.8	338.9	358.4	358.4
70°	2253.8	1394.7	202.6	190.9	175.3	181.2	270.8	337.0	346.7	368.2	366.2
72.5°	1788.2	1042.2	181.2	179.2	169.5	190.9	288.3	325.3	325.3	333.1	325.3
75°	1258.4	662.3	163.6	167.5	155.8	175.3	272.7	303.9	290.2	286.4	284.4
77.5°	716.9	358.4	144.1	151.9	140.3	151.9	237.7	270.8	257.1	247.4	243.5
80°	307.8	183.1	124.7	136.4	122.7	128.6	198.7	233.8	224.0	212.3	208.4
82.5°	122.7	95.5	105.2	120.8	103.2	109.1	169.5	198.7	190.9	179.2	167.5
85°	35.1	37.0	64.3	85.7	77.9	85.7	136.4	157.8	146.1	114.9	111.0
87.5°	3.9	5.8	13.6	17.5	19.5	15.6	31.2	42.9	39.0	29.2	23.4
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)