

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: P415710

Luminaire Tested: **LXF.LXT-PA1-50-830-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415710
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-50-830-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5160 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 III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

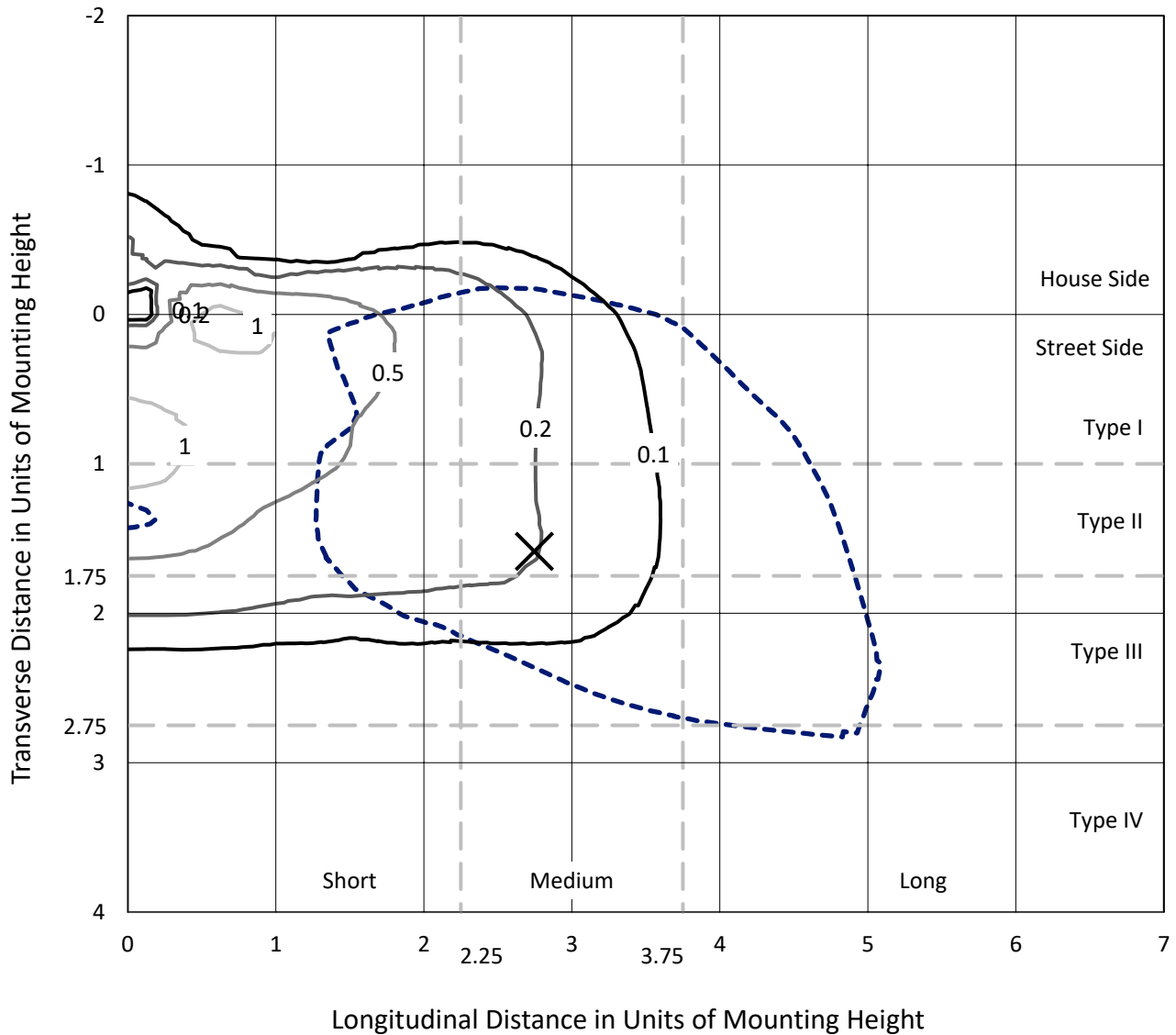
Input Watts (W): 54
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

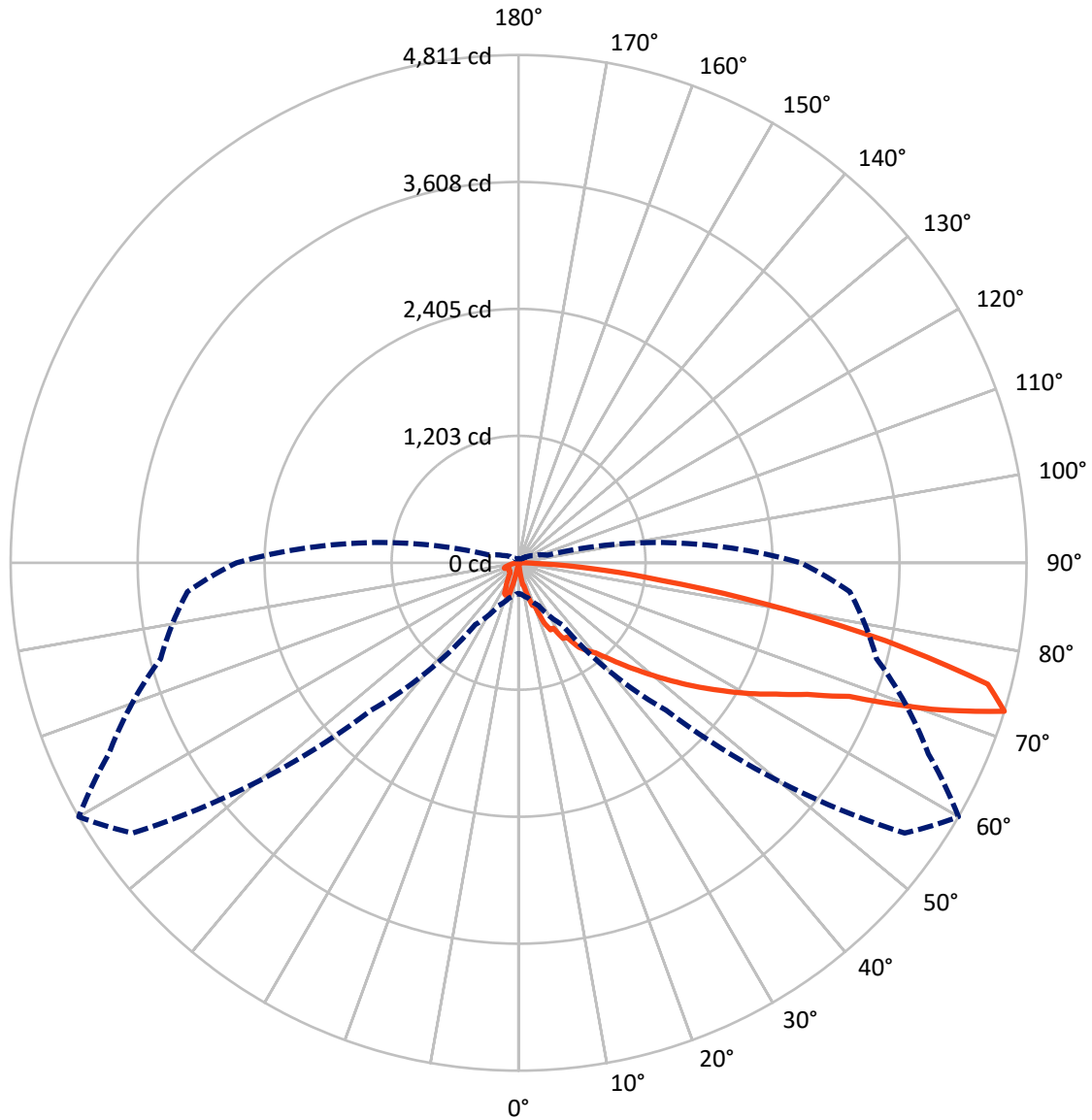
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



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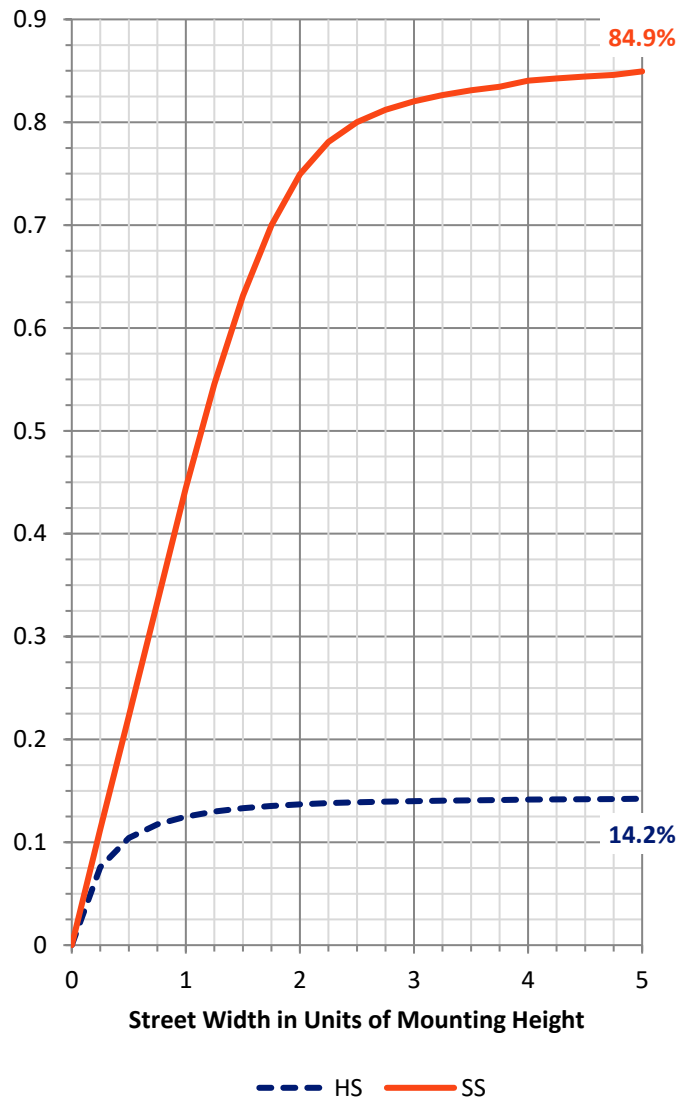
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	743.1	0.0	743.1
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	4416.9	0.0	4416.9
	% Fixture	85.6	0.0	85.6
Total	Lumens	5160.0	0.0	5160.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	75.3	1.5
20°-30°	226.5	4.4
30°-40°	448.0	8.7
40°-50°	742.2	14.4
50°-60°	1108.7	21.5
60°-70°	1318.9	25.6
70°-80°	1055.8	20.5
80°-90°	179.2	3.5
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°	5160.0	100.0
0°-180°	5160.0	100.0

Coefficient of Utilization



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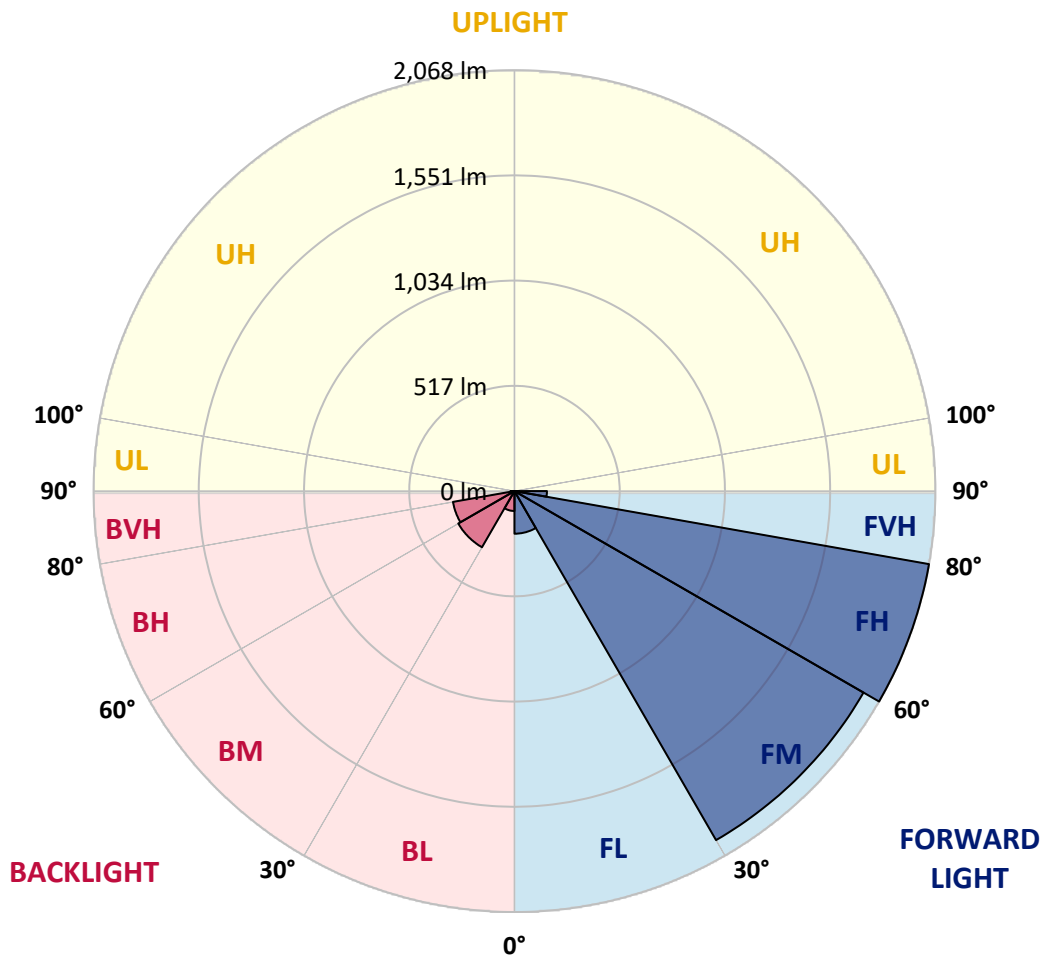
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	209.4	4.1			
FM (30°-60°)	1980.1	38.4			
FH (60°-80°)	2068.0	40.1			G2/5000
FVH (80°-90°)	159.4	3.1			G2/225
BL (0°-30°)	97.8	1.9	B0/110		
BM (30°-60°)	318.8	6.2	B1/1000		
BH (60°-80°)	306.7	5.9	B1/500		G1/500
BVH (80°-90°)	19.8	0.4			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°	60°	65°	75°	85°
0°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	2.8	2.8	3.4	3.9	3.9	3.4	2.8	2.8	2.8	2.2	2.8
5°	192.8	97.2	65.2	30.9	23.0	11.2	4.5	3.4	3.4	2.8	2.8
7.5°	221.5	221.5	222.0	224.3	226.0	227.1	28.1	14.6	5.6	2.8	2.8
10°	213.6	211.9	213.1	215.3	217.5	220.9	224.9	213.6	25.3	4.5	3.4
12.5°	394.6	393.5	380.0	231.6	214.7	214.7	220.4	220.9	173.7	16.9	16.3
15°	380.6	380.0	381.7	385.6	391.8	222.0	225.4	328.3	427.8	301.3	350.2
17.5°	391.2	386.8	376.6	374.4	380.0	357.0	419.9	425.0	434.5	346.3	354.7
20°	536.8	535.2	535.2	450.8	371.6	519.4	493.0	425.5	436.8	500.9	627.3
22.5°	535.2	532.3	528.4	527.8	605.4	505.4	513.2	615.5	640.3	734.2	708.9
25°	727.4	720.1	609.9	531.8	601.5	566.1	685.8	703.8	651.0	761.7	725.2
27.5°	789.8	775.8	740.9	679.1	606.0	688.1	684.7	699.3	717.9	1041.1	996.7
30°	1072.6	1006.2	819.6	788.7	724.6	696.5	780.2	831.4	906.7	1019.7	1038.3
32.5°	1200.2	1176.0	1084.9	970.8	846.6	752.1	853.3	840.4	913.5	1239.5	1331.1
35°	1475.6	1445.8	1196.2	1093.4	984.3	921.9	877.5	981.5	1071.4	1289.0	1356.4
37.5°	1529.6	1522.8	1464.9	1280.6	1134.4	1013.5	1027.0	1055.1	1113.6	1358.1	1427.8
40°	1571.7	1572.3	1589.2	1430.1	1272.7	1160.8	1120.3	1120.9	1170.9	1471.7	1519.5
42.5°	1683.0	1687.5	1733.1	1563.3	1440.2	1332.8	1262.6	1231.6	1269.9	1602.1	1631.9
45°	1883.7	1873.6	1912.4	1700.5	1566.1	1473.9	1417.7	1370.5	1390.7	1740.9	1775.2
47.5°	2136.1	2114.8	2101.8	1871.4	1703.3	1624.0	1571.7	1522.3	1528.5	1873.6	1939.4
50°	2331.2	2320.5	2253.6	2000.6	1821.3	1775.2	1753.3	1692.0	1665.6	2021.4	2127.1
52.5°	2414.4	2404.3	2321.6	2098.5	1914.6	1919.7	1957.9	1878.1	1803.9	2181.7	2305.9
55°	2399.8	2391.3	2336.8	2146.8	1982.1	2059.1	2159.2	2079.3	1983.2	2332.9	2488.0
57.5°	2291.8	2295.8	2295.2	2150.2	2033.8	2190.1	2355.9	2287.3	2173.2	2483.0	2635.9
60°	2053.5	2074.3	2151.9	2126.0	2099.6	2313.8	2547.0	2515.0	2394.1	2647.7	2772.5
62.5°	1644.8	1685.9	1855.6	1993.9	2152.4	2486.9	2733.7	2737.6	2622.9	2775.3	2878.1
65°	1109.7	1106.3	1359.3	1702.2	2090.0	2759.0	3012.5	3004.6	2834.9	2920.9	3033.9
67.5°	616.7	630.2	796.0	1126.5	1850.0	2927.6	3547.7	3379.0	3127.2	3142.9	3252.5
70°	381.7	398.0	453.6	629.6	1184.4	2730.9	4235.1	4156.4	3667.4	3437.5	3340.8
72.5°	290.1	299.1	344.0	446.3	712.8	1975.4	4463.4	4810.8	4283.5	3510.0	3148.5
75°	173.1	183.8	245.1	385.6	594.2	1022.5	3869.8	4590.4	4479.1	3463.9	2747.7
77.5°	107.9	110.7	132.1	269.3	547.5	643.6	2651.0	3555.5	3650.5	2933.8	1941.6
80°	82.6	83.2	91.1	143.3	442.4	609.4	1535.2	2374.5	2327.3	1566.7	762.8
82.5°	52.3	55.7	70.8	87.7	210.2	594.2	907.3	1351.9	1190.0	423.9	212.5
85°	26.4	29.8	50.0	60.1	101.7	643.6	643.6	693.1	487.4	142.2	80.4
87.5°	4.5	4.5	6.7	15.7	20.2	109.1	179.9	156.8	103.4	19.1	15.7
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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	2.8	2.8	2.8	2.2	1.7	1.1	0.6	0.6	0.6	1.1	1.1
5°	2.8	2.8	2.8	2.2	1.7	1.1	0.6	0.6	1.1	1.7	1.7
7.5°	2.8	2.8	2.8	2.2	1.7	1.7	1.1	2.2	5.1	65.8	44.4
10°	3.4	3.4	3.4	2.8	2.2	6.2	192.3	202.9	203.5	202.4	200.1
12.5°	18.0	19.7	14.6	5.1	20.8	192.8	184.9	175.9	172.6	168.6	168.6
15°	355.3	350.8	331.1	244.0	149.5	172.0	154.6	142.8	221.5	218.7	220.9
17.5°	356.4	348.5	320.4	349.1	323.8	154.6	175.4	190.6	179.9	175.9	177.6
20°	676.3	639.7	324.9	325.5	277.7	274.3	149.0	140.5	142.2	145.6	146.7
22.5°	688.6	646.5	498.6	421.6	238.3	219.8	152.3	122.0	180.4	200.7	202.9
25°	694.2	641.4	471.1	373.3	269.3	164.7	147.3	133.8	164.7	184.9	186.1
27.5°	981.5	889.3	643.6	317.0	208.0	144.5	137.7	125.9	147.8	183.3	183.8
30°	973.1	864.6	596.4	306.9	160.8	133.2	119.2	131.5	139.4	149.0	149.0
32.5°	1265.4	1109.7	661.6	247.3	134.9	110.7	112.4	119.7	120.3	142.2	143.9
35°	1265.9	1085.5	570.0	226.0	115.8	101.2	102.9	110.7	122.5	136.6	138.8
37.5°	1285.6	1074.8	491.3	175.9	115.8	101.2	97.8	105.7	114.1	133.8	136.0
40°	1327.2	1079.3	416.5	146.2	111.9	99.5	96.7	102.9	113.0	124.2	125.4
42.5°	1398.0	1104.6	345.7	132.1	109.1	99.5	92.8	97.2	102.9	125.9	128.2
45°	1510.5	1158.6	291.2	126.5	107.9	95.6	88.3	89.4	93.3	149.0	155.2
47.5°	1642.0	1233.3	244.0	123.7	106.2	91.6	81.5	82.6	91.6	169.2	177.6
50°	1793.8	1344.1	215.9	123.1	104.6	86.0	76.5	82.6	101.2	168.6	172.6
52.5°	1972.0	1456.5	200.7	125.4	103.4	80.9	79.3	92.8	96.1	135.5	135.5
55°	2132.2	1581.3	201.8	127.0	100.1	80.9	81.5	78.7	75.9	93.3	93.9
57.5°	2289.6	1705.5	220.4	123.7	95.0	81.5	70.3	64.6	65.8	79.3	80.9
60°	2426.2	1825.3	276.0	116.4	90.5	73.6	65.2	60.7	61.8	79.8	81.5
62.5°	2573.5	1971.4	382.3	119.2	89.9	69.7	60.7	55.7	57.9	66.3	67.5
65°	2772.5	2175.5	477.8	140.5	93.3	67.5	55.7	52.8	53.4	54.0	54.0
67.5°	2967.5	2301.4	461.0	165.8	104.6	66.3	52.8	49.5	48.9	48.9	48.9
70°	2948.4	2164.8	365.4	175.9	113.6	66.3	50.6	46.1	45.0	45.0	45.0
72.5°	2672.4	1851.7	280.5	163.0	104.6	63.5	47.2	42.2	40.5	40.5	40.5
75°	2273.8	1485.2	235.5	141.7	85.4	54.5	41.6	37.7	36.5	36.5	36.0
77.5°	1452.6	878.1	200.1	115.2	65.8	44.4	36.0	32.6	32.6	32.6	30.9
80°	582.9	386.2	155.7	91.1	51.2	35.4	29.8	28.1	27.5	27.0	25.3
82.5°	221.5	190.6	101.2	66.3	39.3	27.0	24.2	22.5	22.5	21.9	19.1
85°	79.3	74.2	46.7	38.2	24.2	16.9	18.6	16.9	16.3	14.6	12.4
87.5°	16.9	18.6	12.9	8.4	8.4	5.1	6.2	6.7	6.7	6.2	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

(END OF REPORT)