

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: P695865

Luminaire Tested: **LXF.LXT-PA16-727-U-T3**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695865
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-PA16-727-U-T3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 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: 6319 lumens
Efficiency: N/A
Efficacy: 87.8 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

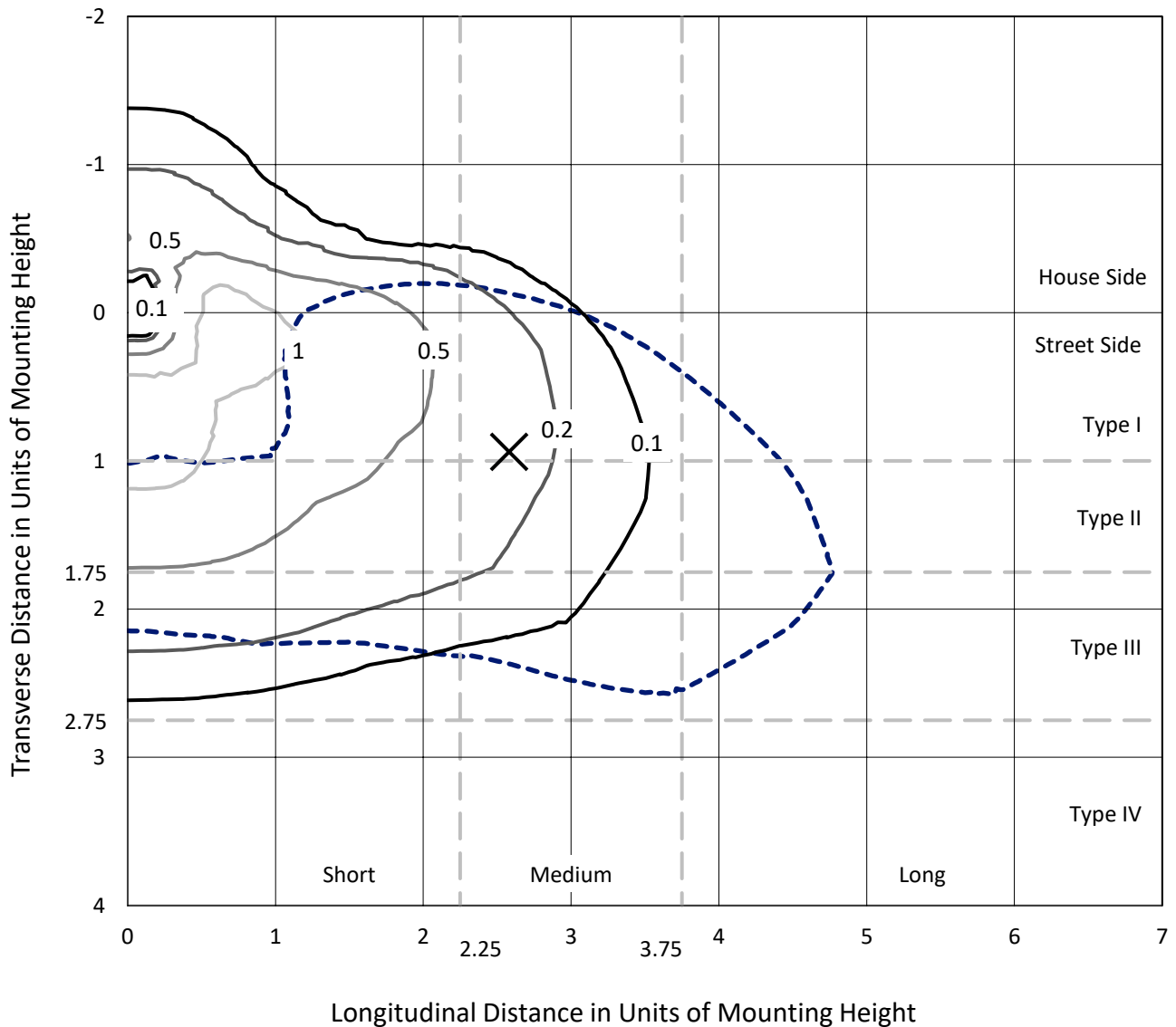
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P695865
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T3

Iso-Footcandle Lines of Horizontal Illumination

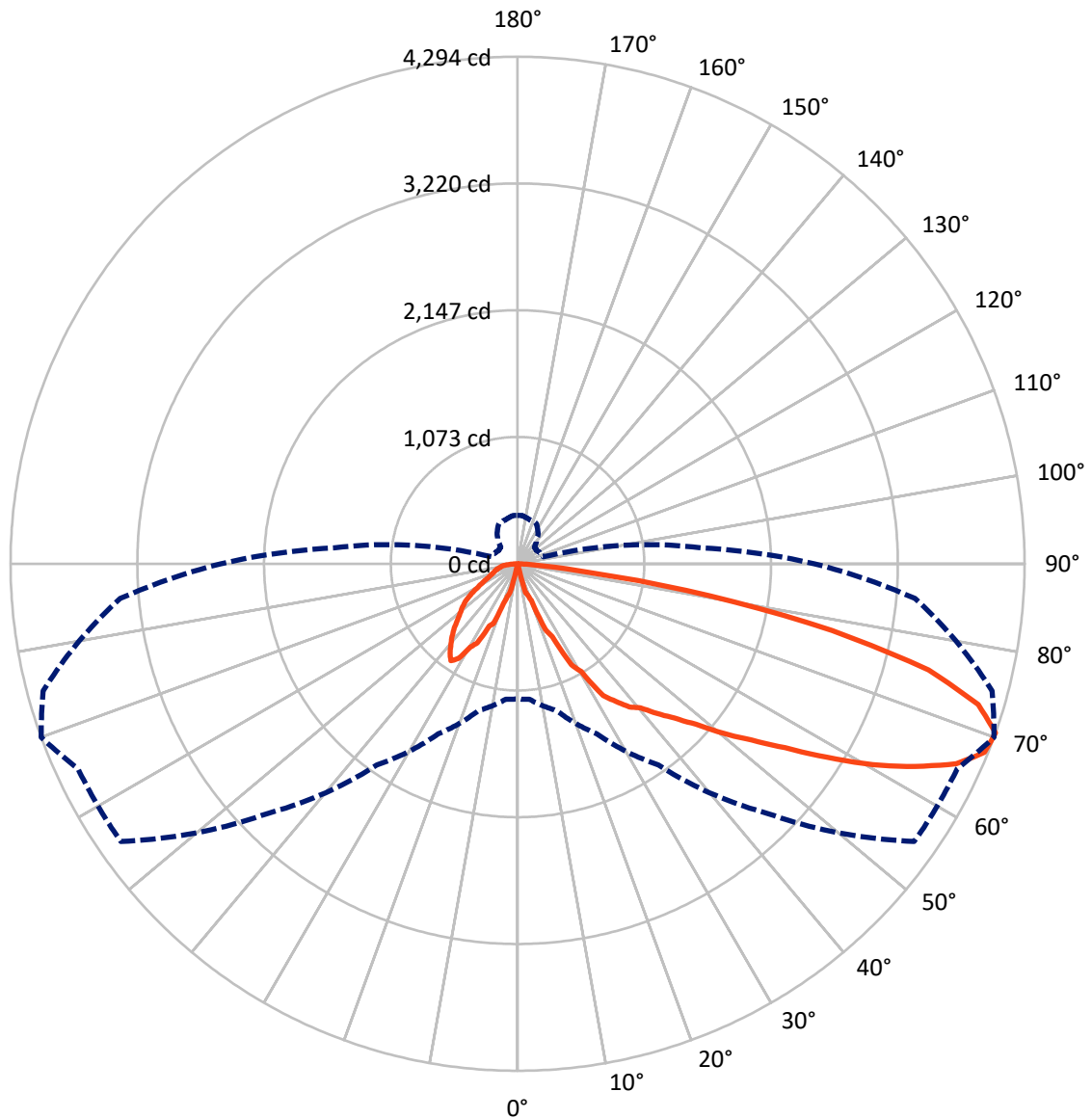
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P695865
CATALOG NUMBER: LXF.LXT-PA16-727-U-T3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P695865
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T3

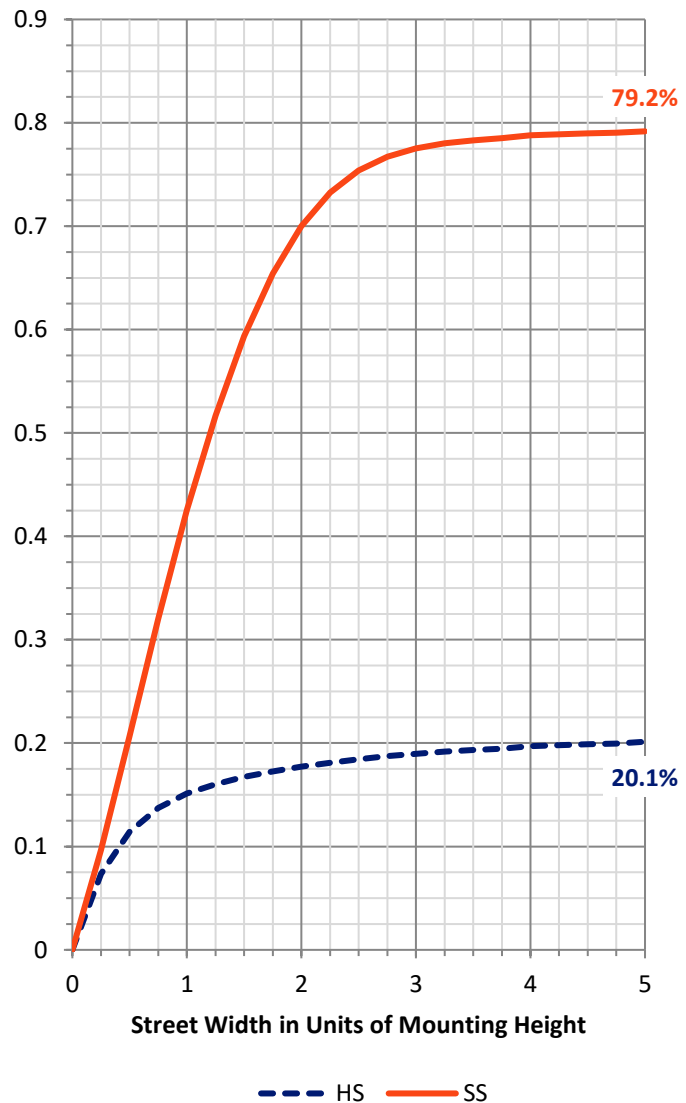
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1302.2	0.0	1302.2
	% Fixture	20.6	0.0	20.6
Street Side	Lumens	5016.8	0.0	5016.8
	% Fixture	79.4	0.0	79.4
Total	Lumens	6319.0	0.0	6319.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	53.5	0.8
20°-30°	302.3	4.8
30°-40°	672.3	10.6
40°-50°	961.5	15.2
50°-60°	1397.2	22.1
60°-70°	1753.6	27.8
70°-80°	1041.5	16.5
80°-90°	136.9	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°	6319.0	100.0
0°-180°	6319.0	100.0

Coefficient of Utilization



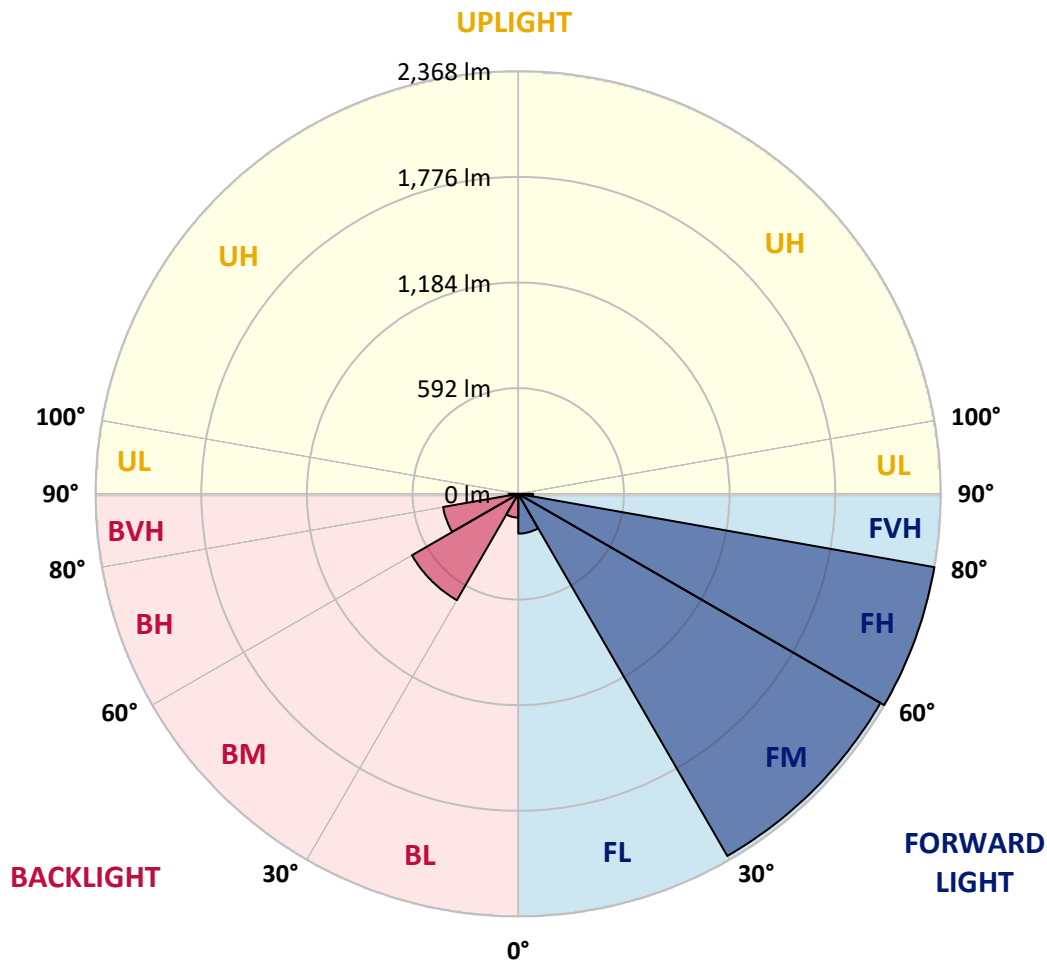
REPORT NUMBER: P695865
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	222.9	3.5			
FM	(30°-60°)	2343.1	37.1			
FH	(60°-80°)	2367.6	37.5			G2/5000
FVH	(80°-90°)	83.1	1.3			G1/100
BL	(0°-30°)	133.1	2.1	B1/500		
BM	(30°-60°)	687.9	10.9	B1/1000		
BH	(60°-80°)	427.5	6.8	B1/500		G1/500
BVH	(80°-90°)	53.8	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



REPORT NUMBER: P695865
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	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°	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
5°	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
7.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
10°	28.2	30.4	19.6	10.9	4.3	2.2	2.2	2.2	2.2	2.2	2.2
12.5°	252.1	252.1	249.9	160.8	50.0	10.9	4.3	13.0	23.9	26.1	39.1
15°	280.3	280.3	280.3	276.0	262.9	91.3	41.3	230.3	252.1	258.6	258.6
17.5°	369.4	375.9	341.1	306.4	291.2	254.2	245.5	276.0	280.3	284.6	286.8
20°	628.0	628.0	628.0	560.6	345.5	445.4	408.5	315.1	330.3	395.5	545.4
22.5°	699.7	697.5	682.3	660.5	708.3	495.4	465.0	549.7	606.2	625.8	617.1
25°	1071.2	1069.0	1012.5	747.5	780.1	669.2	699.7	697.5	684.4	691.0	682.3
27.5°	1162.5	1158.1	1153.8	1051.7	862.6	903.9	812.6	908.3	969.1	1014.7	986.5
30°	1634.0	1540.5	1353.7	1192.9	1101.6	969.1	1045.1	1101.6	1060.4	1079.9	1034.3
32.5°	1727.4	1736.1	1727.4	1503.6	1225.5	1103.8	1173.3	1169.0	1332.0	1388.5	1373.2
35°	1820.8	1814.3	1801.3	1601.4	1425.4	1273.3	1236.4	1431.9	1431.9	1464.5	1418.9
37.5°	1894.7	1892.6	1875.2	1655.7	1525.3	1334.1	1399.3	1536.2	1538.4	1571.0	1471.0
40°	1957.7	1959.9	1953.4	1714.4	1605.7	1399.3	1475.4	1638.3	1603.6	1651.4	1557.9
42.5°	2012.1	2018.6	2029.4	1801.3	1675.3	1464.5	1547.1	1712.2	1733.9	1790.4	1684.0
45°	2112.0	2125.0	2140.3	1938.2	1768.7	1551.4	1644.8	1860.0	1864.3	1949.0	1857.8
47.5°	2238.0	2246.7	2279.3	2085.9	1907.8	1677.4	1744.8	1968.6	2031.6	2138.1	2066.4
50°	2346.7	2364.1	2407.5	2266.3	2099.0	1862.1	1886.0	2129.4	2255.4	2351.0	2285.8
52.5°	2429.2	2444.5	2509.6	2418.4	2301.0	2059.9	2064.2	2353.2	2481.4	2613.9	2574.8
55°	2496.6	2514.0	2574.8	2561.8	2485.7	2222.8	2309.7	2568.3	2748.7	2905.1	2861.6
57.5°	2507.5	2505.3	2620.5	2659.6	2613.9	2437.9	2620.5	2803.0	3092.0	3215.8	3218.0
60°	2457.5	2468.4	2605.2	2724.8	2729.1	2659.6	2959.4	3115.9	3454.8	3537.4	3563.5
62.5°	2351.0	2374.9	2527.0	2724.8	2822.5	2881.2	3289.7	3467.9	3780.8	3824.2	3796.0
65°	2148.9	2157.6	2307.6	2598.7	2831.2	3083.3	3630.8	3774.2	4082.8	4039.3	3848.1
67.5°	1736.1	1762.2	1901.2	2238.0	2624.8	3172.4	3941.5	4004.6	4263.1	4171.9	3719.9
70°	1145.1	1151.6	1288.5	1588.4	2079.4	2987.7	4100.2	4106.7	4293.5	4158.8	3378.8
72.5°	497.6	458.5	588.8	830.0	1275.5	2329.3	3906.8	4000.2	4078.4	3913.3	2798.6
75°	215.1	219.5	254.2	343.3	591.0	1316.7	3250.6	3487.4	3593.9	3333.1	2040.3
77.5°	160.8	160.8	184.7	208.6	276.0	497.6	2118.5	2596.6	2722.6	2414.0	1268.9
80°	117.3	121.7	139.1	152.1	178.2	202.1	1056.0	1573.1	1653.5	1258.1	558.4
82.5°	89.1	89.1	100.0	108.6	121.7	121.7	358.5	675.8	612.7	428.1	193.4
85°	39.1	32.6	52.1	50.0	54.3	43.5	95.6	123.9	123.9	97.8	43.5
87.5°	0.0	2.2	2.2	2.2	4.3	4.3	8.7	6.5	8.7	8.7	6.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P695865
 CATALOG NUMBER: LXF.LXT-PA16-727-U-T3

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°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
7.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	2.2	2.2	2.2	2.2
10°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	2.2	2.2	2.2	2.2
12.5°	34.8	41.3	26.1	13.0	2.2	0.0	0.0	2.2	2.2	4.3	4.3
15°	262.9	260.7	260.7	239.0	41.3	6.5	4.3	21.7	73.9	156.4	154.3
17.5°	286.8	286.8	286.8	276.0	249.9	69.5	69.5	230.3	249.9	252.1	254.2
20°	543.2	536.7	415.0	297.7	262.9	249.9	228.1	252.1	256.4	258.6	262.9
22.5°	610.6	604.1	575.8	517.1	295.5	362.9	328.1	269.4	402.0	421.5	425.9
25°	677.9	660.5	617.1	541.0	495.4	367.2	384.6	384.6	402.0	399.8	402.0
27.5°	966.9	947.4	888.7	614.9	536.7	430.2	425.9	375.9	404.1	460.6	465.0
30°	1012.5	988.6	908.3	708.3	564.9	469.3	397.6	447.6	469.3	462.8	465.0
32.5°	1336.3	1308.1	1179.9	712.7	569.3	432.4	441.1	447.6	456.3	497.6	501.9
35°	1377.6	1351.5	1177.7	817.0	525.8	430.2	425.9	456.3	506.3	512.8	515.0
37.5°	1436.3	1410.2	1153.8	745.3	523.7	425.9	415.0	449.8	467.2	460.6	456.3
40°	1521.0	1481.9	1108.2	667.1	475.9	404.1	404.1	412.8	425.9	402.0	395.5
42.5°	1647.0	1566.6	1058.2	597.5	436.7	375.9	375.9	378.1	369.4	347.7	347.7
45°	1783.9	1638.3	993.0	534.5	397.6	345.5	347.7	332.4	341.1	323.8	323.8
47.5°	1944.7	1725.2	912.6	473.7	362.9	317.2	312.9	315.1	325.9	312.9	312.9
50°	2129.4	1829.5	851.8	419.4	332.4	289.0	299.9	306.4	319.4	308.5	306.4
52.5°	2348.8	1940.4	804.0	375.9	306.4	265.1	291.2	299.9	315.1	308.5	306.4
55°	2605.2	2079.4	727.9	341.1	282.5	252.1	284.6	299.9	317.2	312.9	310.7
57.5°	2844.3	2198.9	621.4	306.4	265.1	243.4	282.5	299.9	321.6	317.2	315.1
60°	3059.4	2311.9	491.1	280.3	249.9	232.5	276.0	299.9	323.8	325.9	323.8
62.5°	3168.0	2318.4	397.6	260.7	234.7	221.6	269.4	297.7	321.6	334.6	334.6
65°	3115.9	2188.1	317.2	241.2	221.6	208.6	262.9	304.2	341.1	362.9	362.9
67.5°	2902.9	1925.1	262.9	226.0	206.4	197.7	271.6	343.3	378.1	399.8	399.8
70°	2514.0	1555.8	226.0	212.9	195.6	202.1	302.0	375.9	386.8	410.7	408.5
72.5°	1994.7	1162.5	202.1	199.9	189.0	212.9	321.6	362.9	362.9	371.6	362.9
75°	1403.7	738.8	182.5	186.9	173.8	195.6	304.2	339.0	323.8	319.4	317.2
77.5°	799.6	399.8	160.8	169.5	156.4	169.5	265.1	302.0	286.8	276.0	271.6
80°	343.3	204.2	139.1	152.1	136.9	143.4	221.6	260.7	249.9	236.8	232.5
82.5°	136.9	106.5	117.3	134.7	115.2	121.7	189.0	221.6	212.9	199.9	186.9
85°	39.1	41.3	71.7	95.6	86.9	95.6	152.1	176.0	163.0	128.2	123.9
87.5°	4.3	6.5	15.2	19.6	21.7	17.4	34.8	47.8	43.5	32.6	26.1
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)