

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: P695870

Luminaire Tested: **LXF.LXT-PA16-727-U-T4W**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695870
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-21)
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-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6349 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

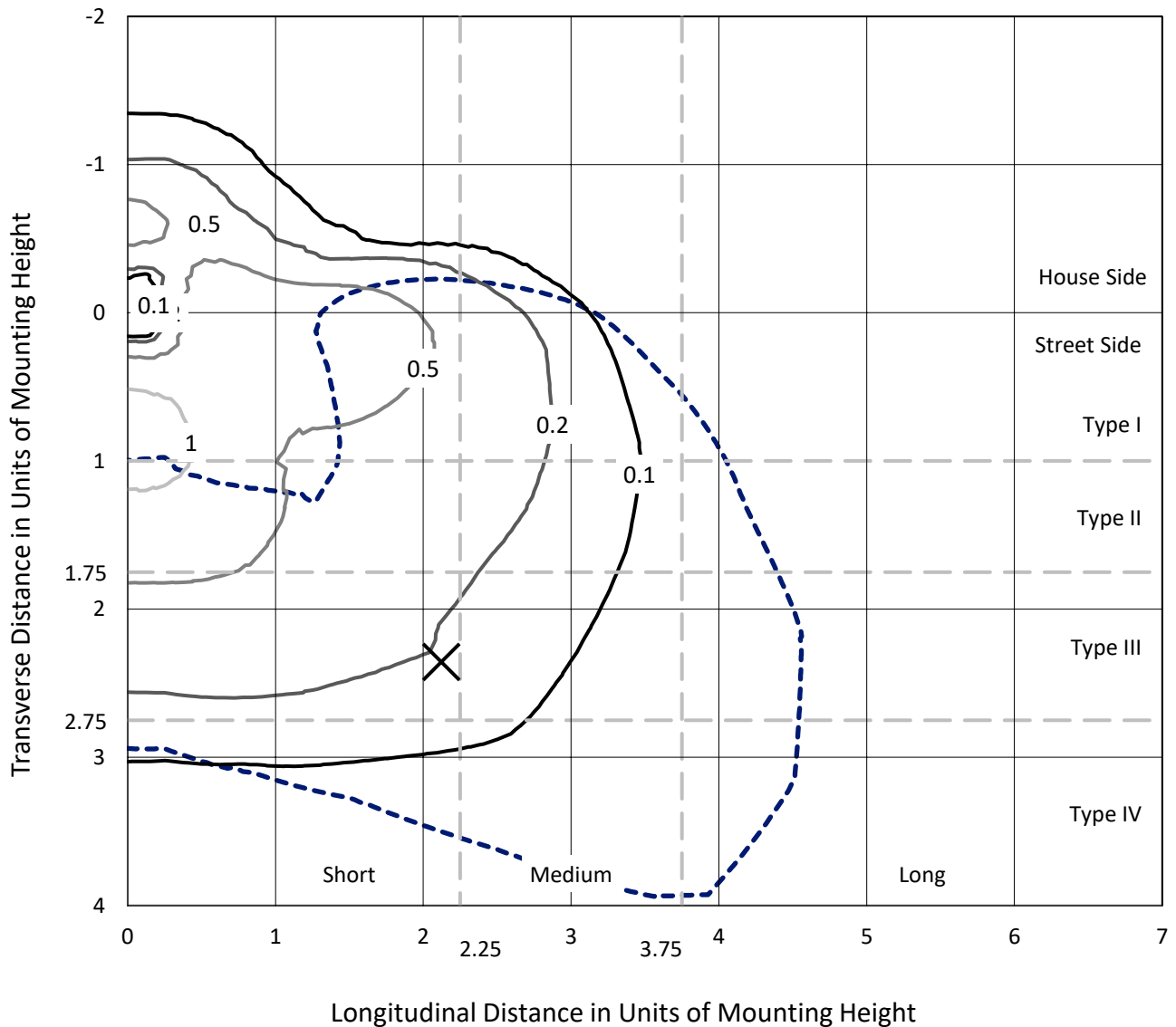
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

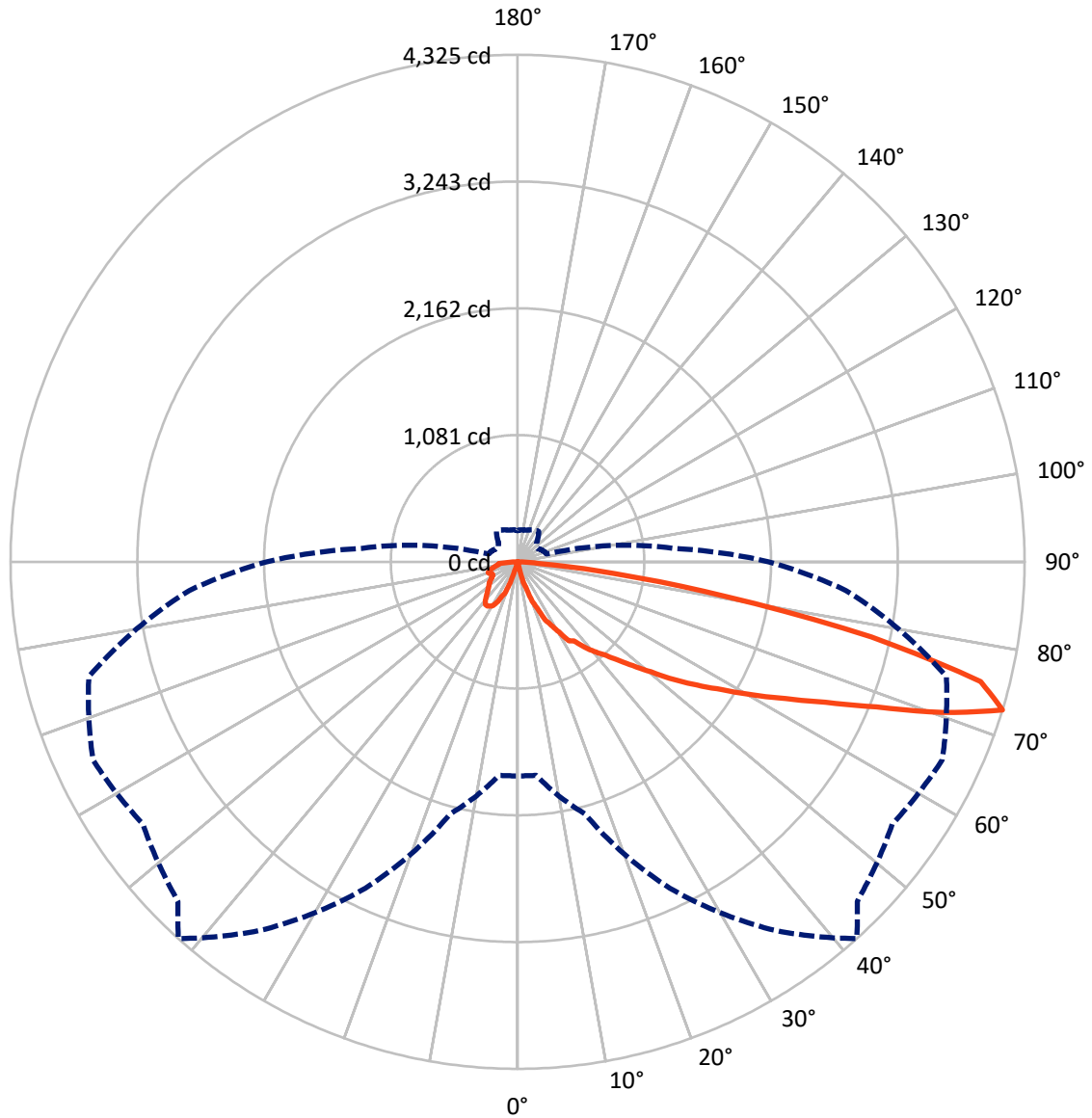
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 42-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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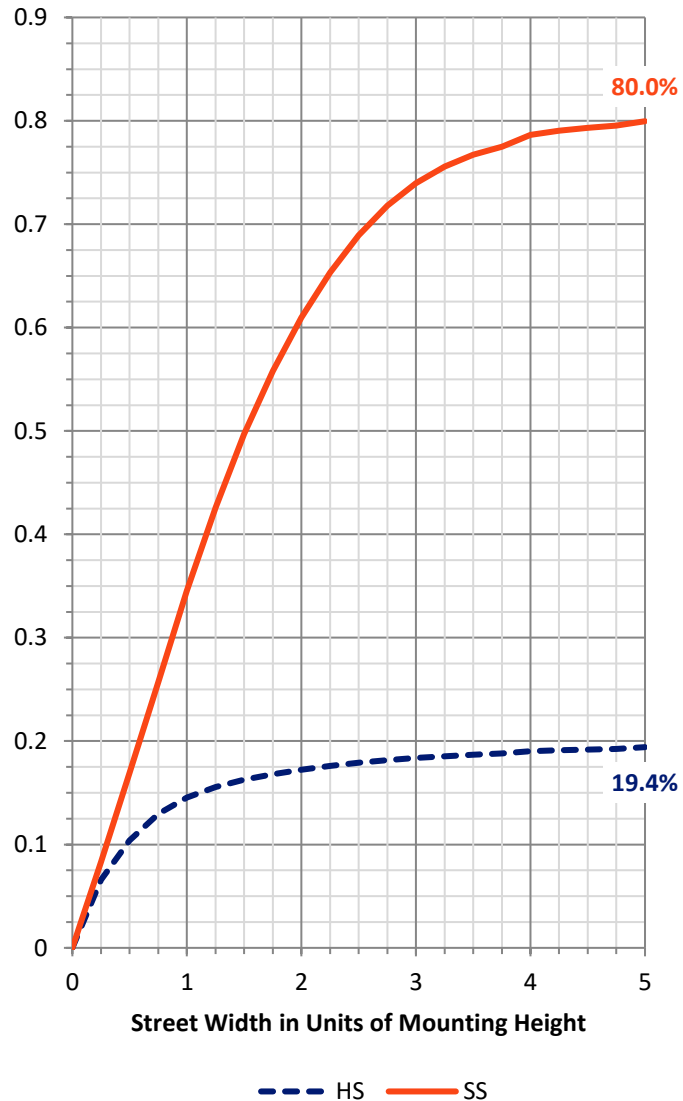
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1266.0	0.0	1266.0
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	5083.0	0.0	5083.0
	% Fixture	80.1	0.0	80.1
Total	Lumens	6349.0	0.0	6349.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.3	0.0
10°-20°	45.0	0.7
20°-30°	241.1	3.8
30°-40°	546.0	8.6
40°-50°	807.9	12.7
50°-60°	1241.9	19.6
60°-70°	1822.3	28.7
70°-80°	1457.0	22.9
80°-90°	187.4	3.0
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°	6349.0	100.0
0°-180°	6349.0	100.0

Coefficient of Utilization



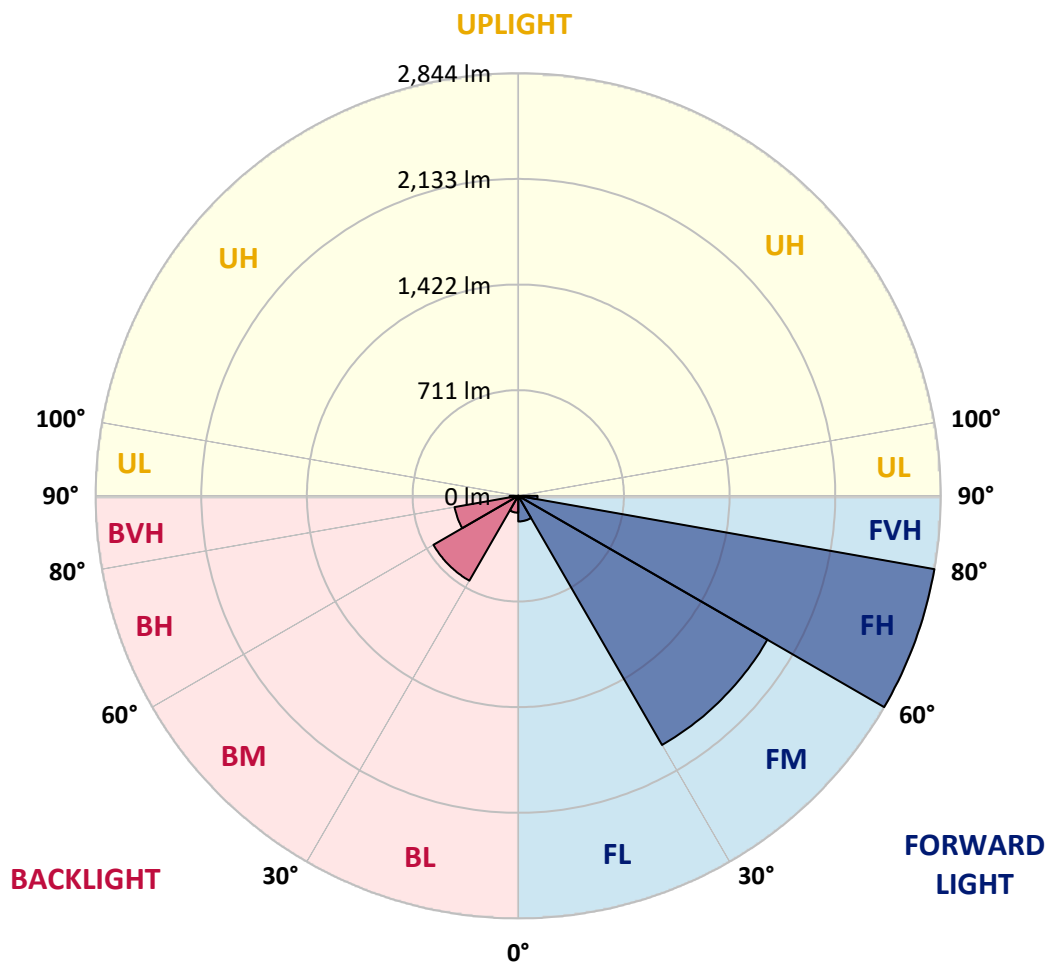
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	172.5	2.7			
FM (30°-60°)	1936.5	30.5			
FH (60°-80°)	2844.4	44.8			G2/5000
FVH (80°-90°)	129.5	2.0			G2/225
BL (0°-30°)	113.8	1.8	B1/500		
BM (30°-60°)	659.3	10.4	B1/1000		
BH (60°-80°)	434.9	6.8	B1/500		G1/500
BVH (80°-90°)	57.9	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 IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	42°	45°	55°	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°	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°	0.0	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
10°	54.3	50.0	43.5	17.4	6.5	2.2	2.2	2.2	2.2	2.2	2.2
12.5°	232.5	232.5	226.0	208.6	47.8	26.1	13.0	4.3	15.2	32.6	41.3
15°	265.1	265.1	256.4	243.4	221.7	184.7	91.3	41.3	180.4	197.8	193.4
17.5°	473.7	436.8	319.4	276.0	247.7	226.0	223.8	206.4	226.0	221.7	217.3
20°	549.8	547.6	528.1	495.5	295.5	360.7	365.1	341.2	260.8	321.6	404.2
22.5°	595.4	586.7	552.0	515.0	543.3	432.5	399.9	376.0	434.6	482.4	471.6
25°	804.1	799.7	771.5	556.3	575.9	549.8	528.1	536.8	552.0	530.2	536.8
27.5°	856.2	845.3	808.4	725.8	628.0	610.6	654.1	586.7	649.8	780.2	764.9
30°	1240.9	1225.6	1032.2	801.9	751.9	695.4	684.5	732.3	788.8	810.6	804.1
32.5°	1410.4	1393.0	1323.4	1051.8	810.6	804.1	764.9	795.4	810.6	1001.8	1064.8
35°	1616.8	1599.4	1510.3	1195.2	977.9	828.0	836.7	806.2	956.2	1025.7	1099.6
37.5°	1760.2	1742.8	1690.7	1319.1	1088.7	923.6	871.4	899.7	973.6	1067.0	1140.9
40°	1895.0	1884.1	1851.5	1475.6	1208.3	1004.0	932.3	938.8	1010.5	1130.0	1195.2
42.5°	2034.0	2027.5	2010.1	1623.3	1316.9	1084.4	1008.3	986.6	1090.9	1188.7	1275.6
45°	2157.9	2173.1	2164.4	1777.6	1434.3	1190.9	1103.9	1062.7	1188.7	1282.1	1401.7
47.5°	2220.9	2220.9	2268.7	1934.1	1560.3	1323.4	1221.3	1169.1	1316.9	1432.1	1579.9
50°	2310.0	2318.7	2323.1	2094.9	1732.0	1475.6	1351.7	1299.5	1449.5	1647.2	1873.2
52.5°	2544.7	2625.1	2438.2	2251.4	1947.1	1669.0	1492.9	1436.4	1623.3	1912.4	2249.2
55°	2627.3	2644.7	2592.5	2462.2	2129.7	1855.9	1649.4	1599.4	1892.8	2220.9	2664.3
57.5°	2699.0	2677.3	2744.7	2690.3	2368.7	2055.8	1838.5	1810.2	2181.8	2562.1	3083.7
60°	2768.6	2777.3	2872.9	2953.3	2588.2	2303.5	2047.1	2114.5	2475.2	2918.5	3481.3
62.5°	2829.4	2851.1	3018.5	3107.6	2781.6	2566.5	2323.1	2505.6	2803.3	3270.6	3807.3
65°	2777.3	2807.7	3151.0	3207.5	3044.6	2885.9	2640.3	2896.8	3205.4	3572.6	4013.8
67.5°	2699.0	2727.3	3129.3	3372.7	3346.6	3301.0	3029.3	3270.6	3624.8	3879.0	4002.9
70°	2457.8	2492.6	2907.6	3431.4	3726.9	3848.6	3555.2	3616.1	3942.1	3998.6	3596.5
72.5°	1825.4	1827.6	2227.5	3070.6	3839.9	4324.5	4096.3	3900.8	3996.4	3785.6	2812.0
75°	864.9	854.0	1147.4	1951.5	3214.1	4079.0	4081.1	3822.5	3607.4	3103.2	1810.2
77.5°	254.3	258.6	362.9	806.2	2060.1	3083.7	3279.2	3133.6	2749.0	1738.5	795.4
80°	128.2	139.1	180.4	280.3	897.5	1799.3	2049.3	2023.2	1560.3	580.2	273.8
82.5°	63.0	65.2	97.8	152.1	391.2	836.7	1071.4	938.8	497.6	278.2	139.1
85°	17.4	15.2	28.3	52.2	121.7	178.2	215.1	176.0	149.9	117.3	56.5
87.5°	0.0	2.2	2.2	4.3	4.3	6.5	6.5	6.5	6.5	6.5	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

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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°	2.2	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	2.2	2.2	2.2	2.2	2.2
7.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
10°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	2.2	2.2	2.2	2.2
12.5°	41.3	36.9	28.3	15.2	4.3	2.2	2.2	2.2	2.2	4.3	4.3
15°	189.1	186.9	184.7	169.5	36.9	6.5	4.3	19.6	67.4	102.1	123.9
17.5°	215.1	213.0	210.8	206.4	191.2	47.8	63.0	171.7	206.4	208.6	210.8
20°	397.7	389.0	293.4	228.2	210.8	191.2	182.5	210.8	219.5	226.0	228.2
22.5°	462.9	454.2	434.6	404.2	243.4	295.5	276.0	230.4	360.7	389.0	393.3
25°	525.9	515.0	469.4	432.5	412.9	315.1	349.9	371.6	408.5	417.2	421.6
27.5°	754.1	725.8	669.3	480.3	449.8	380.3	408.5	393.3	469.4	547.6	554.1
30°	801.9	773.6	695.4	575.9	475.9	439.0	408.5	512.9	567.2	584.6	593.3
32.5°	1069.2	1040.9	899.7	580.2	506.3	432.5	478.1	523.7	562.8	680.2	691.1
35°	1110.5	1075.7	912.7	671.5	489.0	449.8	473.7	543.3	647.6	686.7	693.2
37.5°	1156.1	1117.0	899.7	630.2	519.4	452.0	462.9	534.6	595.4	612.8	621.5
40°	1225.6	1167.0	877.9	584.6	489.0	425.9	449.8	491.1	525.9	519.4	525.9
42.5°	1319.1	1227.8	843.2	532.4	452.0	391.2	417.2	443.3	465.0	445.5	441.1
45°	1436.4	1314.7	804.1	486.8	412.9	360.7	384.6	406.4	421.6	386.8	382.5
47.5°	1605.9	1414.7	756.2	439.0	380.3	336.8	358.6	373.8	382.5	349.9	343.4
50°	1836.3	1547.3	701.9	399.9	352.0	315.1	341.2	349.9	343.4	319.4	315.1
52.5°	2125.3	1749.4	647.6	369.4	328.1	299.9	323.8	321.6	315.1	297.7	295.5
55°	2486.1	2018.8	602.0	347.7	308.6	284.7	302.1	302.1	299.9	284.7	284.7
57.5°	2864.2	2273.1	547.6	328.1	286.9	262.9	284.7	289.0	286.9	276.0	273.8
60°	3179.3	2481.7	467.2	310.8	262.9	245.6	269.5	278.2	276.0	265.1	262.9
62.5°	3359.7	2514.3	384.6	286.9	243.4	230.4	260.8	273.8	289.0	295.5	295.5
65°	3396.6	2381.7	330.3	269.5	230.4	226.0	269.5	308.6	321.6	330.3	334.7
67.5°	3246.7	2105.8	297.7	258.6	221.7	234.7	306.4	328.1	315.1	310.8	310.8
70°	2831.6	1747.2	273.8	245.6	210.8	245.6	319.4	312.9	295.5	299.9	297.7
72.5°	2142.7	1330.0	256.4	232.5	199.9	228.2	315.1	299.9	278.2	273.8	265.1
75°	1297.4	780.2	236.9	217.3	173.9	202.1	302.1	286.9	265.1	256.4	249.9
77.5°	502.0	360.7	215.1	199.9	149.9	178.2	280.3	273.8	252.1	234.7	232.5
80°	213.0	191.2	184.7	176.0	128.2	154.3	252.1	254.3	221.7	199.9	193.4
82.5°	119.5	117.3	143.4	143.4	106.5	136.9	228.2	228.2	195.6	182.5	167.3
85°	39.1	45.6	76.1	86.9	78.2	128.2	221.7	210.8	169.5	141.3	134.7
87.5°	4.3	4.3	8.7	17.4	19.6	32.6	63.0	73.9	52.2	43.5	43.5
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)