

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: P695990

Luminaire Tested: **LXF.LXT-PA16-750-U-T4W**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695990
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-PA16-750-U-T4W
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7554 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G2

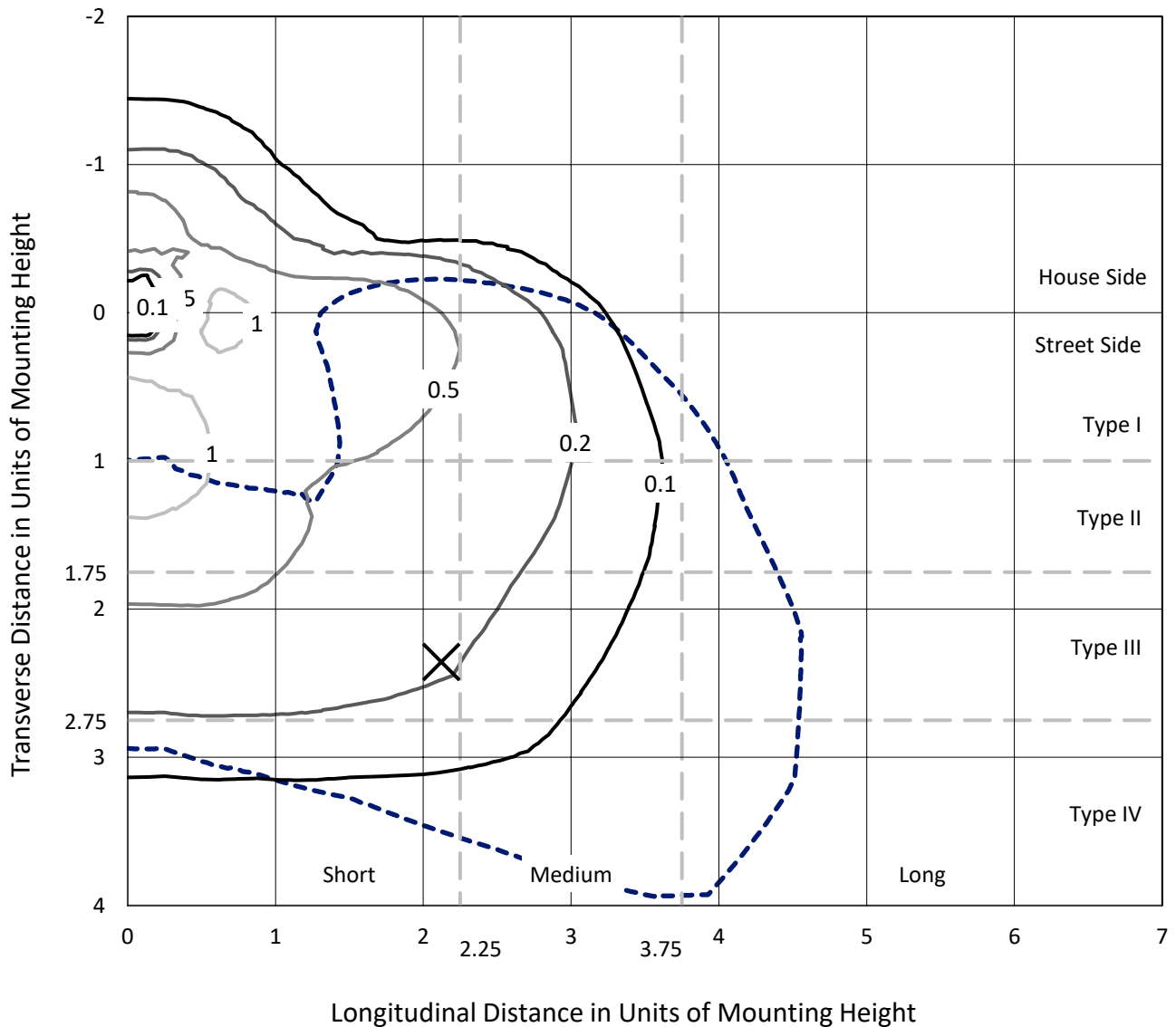
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

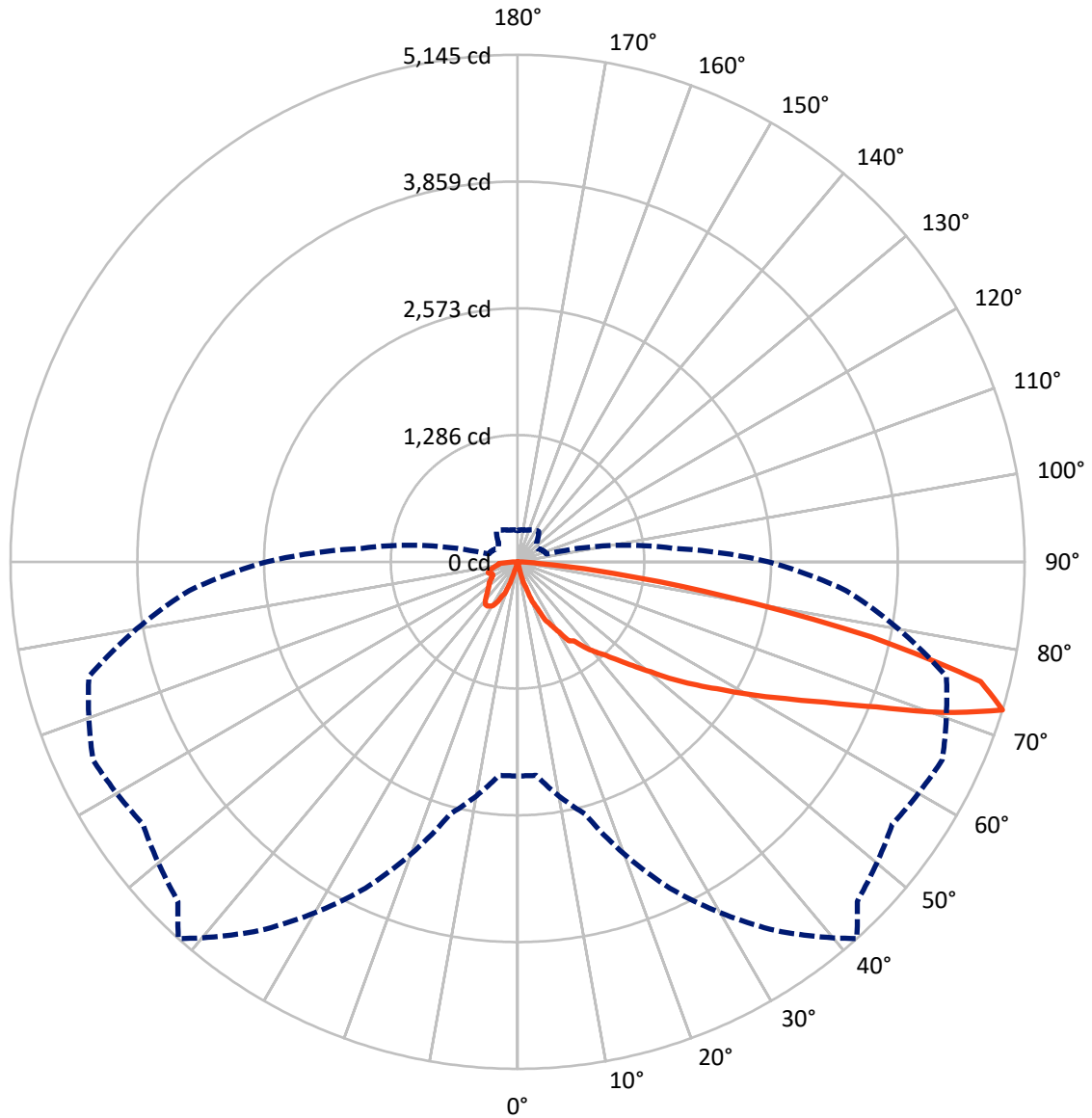
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 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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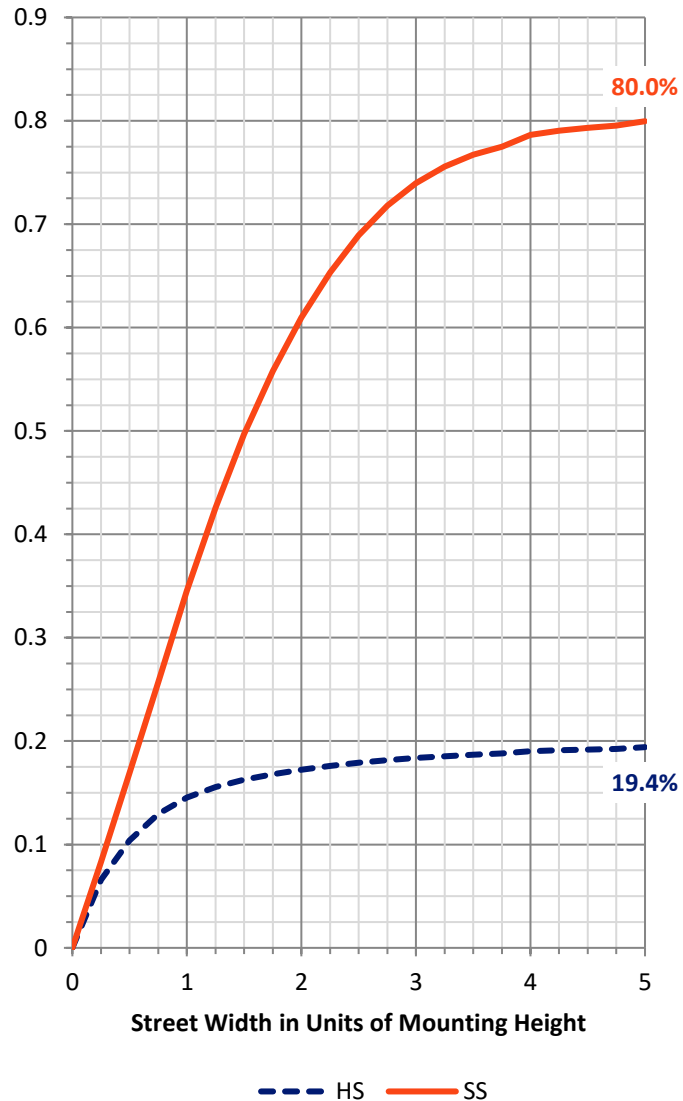
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1506.2	0.0	1506.2
	% Fixture	19.9	0.0	19.9
Street Side	Lumens	6047.8	0.0	6047.8
	% Fixture	80.1	0.0	80.1
Total	Lumens	7554.0	0.0	7554.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	53.5	0.7
20°-30°	286.9	3.8
30°-40°	649.7	8.6
40°-50°	961.3	12.7
50°-60°	1477.6	19.6
60°-70°	2168.2	28.7
70°-80°	1733.6	22.9
80°-90°	223.0	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°	7554.0	100.0
0°-180°	7554.0	100.0

Coefficient of Utilization



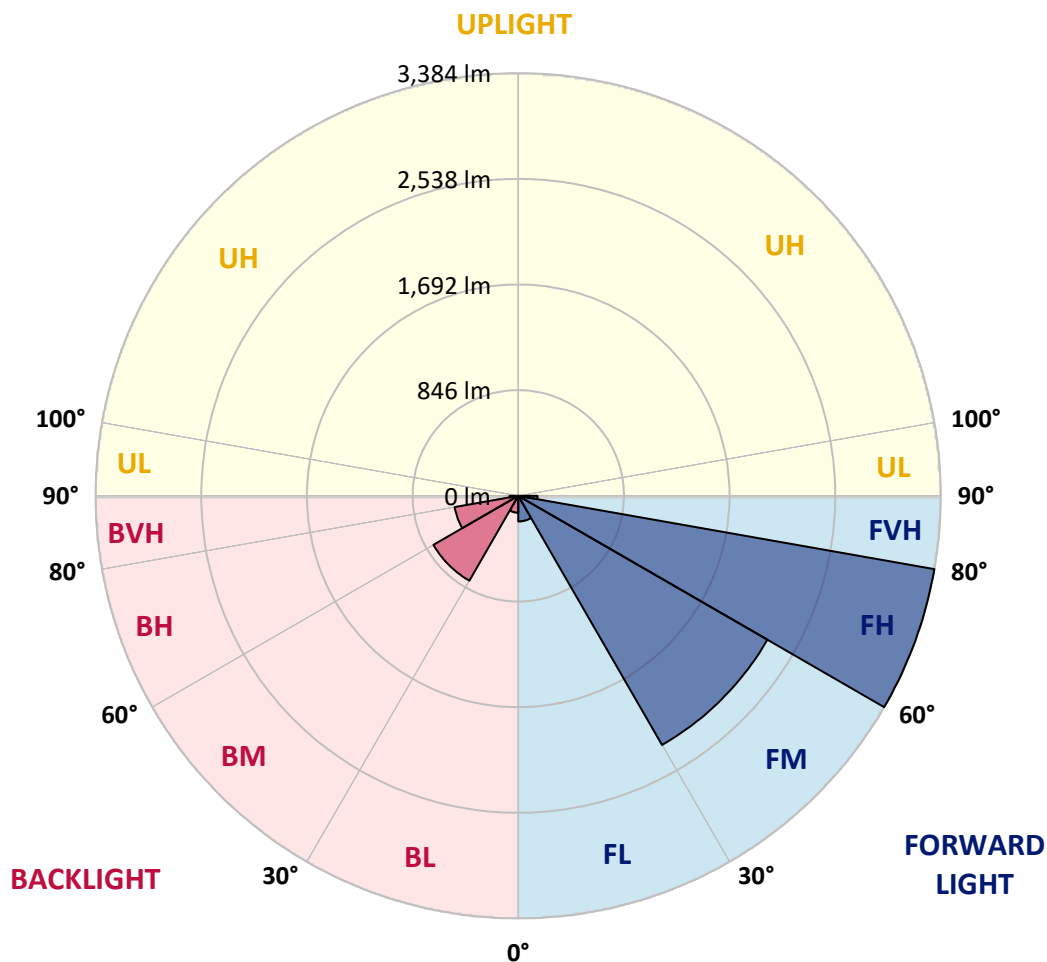
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	205.3	2.7			
FM (30°-60°)	2304.1	30.5			
FH (60°-80°)	3384.3	44.8			G2/5000
FVH (80°-90°)	154.1	2.0			G2/225
BL (0°-30°)	135.5	1.8	B1/500		
BM (30°-60°)	784.4	10.4	B1/1000		
BH (60°-80°)	517.4	6.8	B2/1000		G2/1000
BVH (80°-90°)	68.9	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	42°	45°	55°	65°	75°	85°
0°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
5°	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
7.5°	0.0	0.0	0.0	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
10°	64.6	59.5	51.7	20.7	7.8	2.6	2.6	2.6	2.6	2.6	2.6
12.5°	276.7	276.7	268.9	248.2	56.9	31.0	15.5	5.2	18.1	38.8	49.1
15°	315.4	315.4	305.1	289.6	263.7	219.8	108.6	49.1	214.6	235.3	230.1
17.5°	563.7	519.7	380.1	328.4	294.8	268.9	266.3	245.6	268.9	263.7	258.6
20°	654.1	651.6	628.3	589.5	351.6	429.2	434.4	405.9	310.3	382.7	480.9
22.5°	708.4	698.1	656.7	612.8	646.4	514.5	475.7	447.3	517.1	574.0	561.1
25°	956.7	951.5	917.9	661.9	685.2	654.1	628.3	638.6	656.7	630.9	638.6
27.5°	1018.7	1005.8	961.8	863.6	747.2	726.5	778.3	698.1	773.1	928.2	910.1
30°	1476.4	1458.3	1228.1	954.1	894.6	827.4	814.5	871.3	938.6	964.4	956.7
32.5°	1678.0	1657.4	1574.6	1251.4	964.4	956.7	910.1	946.3	964.4	1191.9	1266.9
35°	1923.7	1903.0	1797.0	1422.1	1163.5	985.1	995.4	959.2	1137.7	1220.4	1308.3
37.5°	2094.3	2073.6	2011.6	1569.4	1295.4	1098.9	1036.8	1070.4	1158.3	1269.5	1357.4
40°	2254.6	2241.7	2202.9	1755.6	1437.6	1194.5	1109.2	1117.0	1202.3	1344.5	1422.1
42.5°	2420.1	2412.3	2391.7	1931.4	1566.9	1290.2	1199.7	1173.8	1298.0	1414.3	1517.7
45°	2567.5	2585.6	2575.2	2115.0	1706.5	1416.9	1313.5	1264.3	1414.3	1525.5	1667.7
47.5°	2642.5	2642.5	2699.3	2301.2	1856.4	1574.6	1453.1	1391.0	1566.9	1703.9	1879.7
50°	2748.5	2758.8	2764.0	2492.5	2060.7	1755.6	1608.2	1546.2	1724.6	1959.9	2228.8
52.5°	3027.7	3123.4	2901.0	2678.7	2316.7	1985.7	1776.3	1709.1	1931.4	2275.3	2676.1
55°	3126.0	3146.6	3084.6	2929.5	2533.9	2208.1	1962.4	1903.0	2252.0	2642.5	3169.9
57.5°	3211.3	3185.4	3265.6	3200.9	2818.3	2446.0	2187.4	2153.8	2595.9	3048.4	3668.9
60°	3294.0	3304.4	3418.1	3513.8	3079.4	2740.7	2435.6	2515.8	2945.0	3472.4	4142.1
62.5°	3366.4	3392.3	3591.4	3697.4	3309.5	3053.6	2764.0	2981.2	3335.4	3891.3	4529.9
65°	3304.4	3340.6	3749.1	3816.3	3622.4	3433.6	3141.5	3446.6	3813.7	4250.7	4775.6
67.5°	3211.3	3244.9	3723.2	4012.8	3981.8	3927.5	3604.3	3891.3	4312.7	4615.2	4762.6
70°	2924.3	2965.7	3459.5	4082.6	4434.3	4579.0	4230.0	4302.4	4690.2	4757.5	4279.1
72.5°	2171.9	2174.5	2650.2	3653.4	4568.7	5145.3	4873.8	4641.1	4754.9	4504.1	3345.7
75°	1029.1	1016.1	1365.2	2321.8	3824.1	4853.1	4855.7	4548.0	4292.1	3692.2	2153.8
77.5°	302.5	307.7	431.8	959.2	2451.1	3668.9	3901.6	3728.4	3270.7	2068.5	946.3
80°	152.5	165.5	214.6	333.5	1067.8	2140.9	2438.2	2407.2	1856.4	690.3	325.8
82.5°	75.0	77.6	116.4	181.0	465.4	995.4	1274.7	1117.0	592.1	331.0	165.5
85°	20.7	18.1	33.6	62.1	144.8	212.0	256.0	209.4	178.4	139.6	67.2
87.5°	0.0	2.6	2.6	5.2	5.2	7.8	7.8	7.8	7.8	7.8	7.8
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°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
7.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	2.6	2.6	2.6	2.6
10°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	2.6	2.6	2.6	2.6
12.5°	49.1	44.0	33.6	18.1	5.2	2.6	2.6	2.6	2.6	5.2	5.2
15°	224.9	222.4	219.8	201.7	44.0	7.8	5.2	23.3	80.2	121.5	147.4
17.5°	256.0	253.4	250.8	245.6	227.5	56.9	75.0	204.3	245.6	248.2	250.8
20°	473.2	462.8	349.1	271.5	250.8	227.5	217.2	250.8	261.1	268.9	271.5
22.5°	550.7	540.4	517.1	480.9	289.6	351.6	328.4	274.1	429.2	462.8	468.0
25°	625.7	612.8	558.5	514.5	491.3	374.9	416.3	442.1	486.1	496.4	501.6
27.5°	897.2	863.6	796.4	571.4	535.2	452.5	486.1	468.0	558.5	651.6	659.3
30°	954.1	920.5	827.4	685.2	566.2	522.3	486.1	610.2	674.8	695.5	705.9
32.5°	1272.1	1238.5	1070.4	690.3	602.4	514.5	568.8	623.1	669.7	809.3	822.2
35°	1321.2	1279.9	1085.9	798.9	581.8	535.2	563.7	646.4	770.5	817.0	824.8
37.5°	1375.5	1329.0	1070.4	749.8	618.0	537.8	550.7	636.1	708.4	729.1	739.5
40°	1458.3	1388.5	1044.6	695.5	581.8	506.8	535.2	584.3	625.7	618.0	625.7
42.5°	1569.4	1460.8	1003.2	633.5	537.8	465.4	496.4	527.5	553.3	530.0	524.9
45°	1709.1	1564.3	956.7	579.2	491.3	429.2	457.6	483.5	501.6	460.2	455.1
47.5°	1910.7	1683.2	899.8	522.3	452.5	400.8	426.6	444.7	455.1	416.3	408.5
50°	2184.8	1840.9	835.1	475.7	418.9	374.9	405.9	416.3	408.5	380.1	374.9
52.5°	2528.7	2081.4	770.5	439.5	390.4	356.8	385.3	382.7	374.9	354.2	351.6
55°	2957.9	2402.0	716.2	413.7	367.2	338.7	359.4	359.4	356.8	338.7	338.7
57.5°	3407.8	2704.5	651.6	390.4	341.3	312.9	338.7	343.9	341.3	328.4	325.8
60°	3782.7	2952.7	555.9	369.7	312.9	292.2	320.6	331.0	328.4	315.4	312.9
62.5°	3997.3	2991.5	457.6	341.3	289.6	274.1	310.3	325.8	343.9	351.6	351.6
65°	4041.3	2833.8	393.0	320.6	274.1	268.9	320.6	367.2	382.7	393.0	398.2
67.5°	3862.8	2505.4	354.2	307.7	263.7	279.2	364.6	390.4	374.9	369.7	369.7
70°	3369.0	2078.8	325.8	292.2	250.8	292.2	380.1	372.3	351.6	356.8	354.2
72.5°	2549.4	1582.4	305.1	276.7	237.9	271.5	374.9	356.8	331.0	325.8	315.4
75°	1543.6	928.2	281.8	258.6	206.8	240.5	359.4	341.3	315.4	305.1	297.3
77.5°	597.3	429.2	256.0	237.9	178.4	212.0	333.5	325.8	299.9	279.2	276.7
80°	253.4	227.5	219.8	209.4	152.5	183.6	299.9	302.5	263.7	237.9	230.1
82.5°	142.2	139.6	170.6	170.6	126.7	162.9	271.5	271.5	232.7	217.2	199.1
85°	46.5	54.3	90.5	103.4	93.1	152.5	263.7	250.8	201.7	168.1	160.3
87.5°	5.2	5.2	10.3	20.7	23.3	38.8	75.0	87.9	62.1	51.7	51.7
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)