

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: P695405

Luminaire Tested: **LXF.LXT-PA16-50-740-U-T2R**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695405  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: LXF.LXT-PA16-50-740-U-T2R  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 4000K, 980mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5890 lumens  
Efficiency: N/A  
Efficacy: 110.9 lumens/watt  
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G1

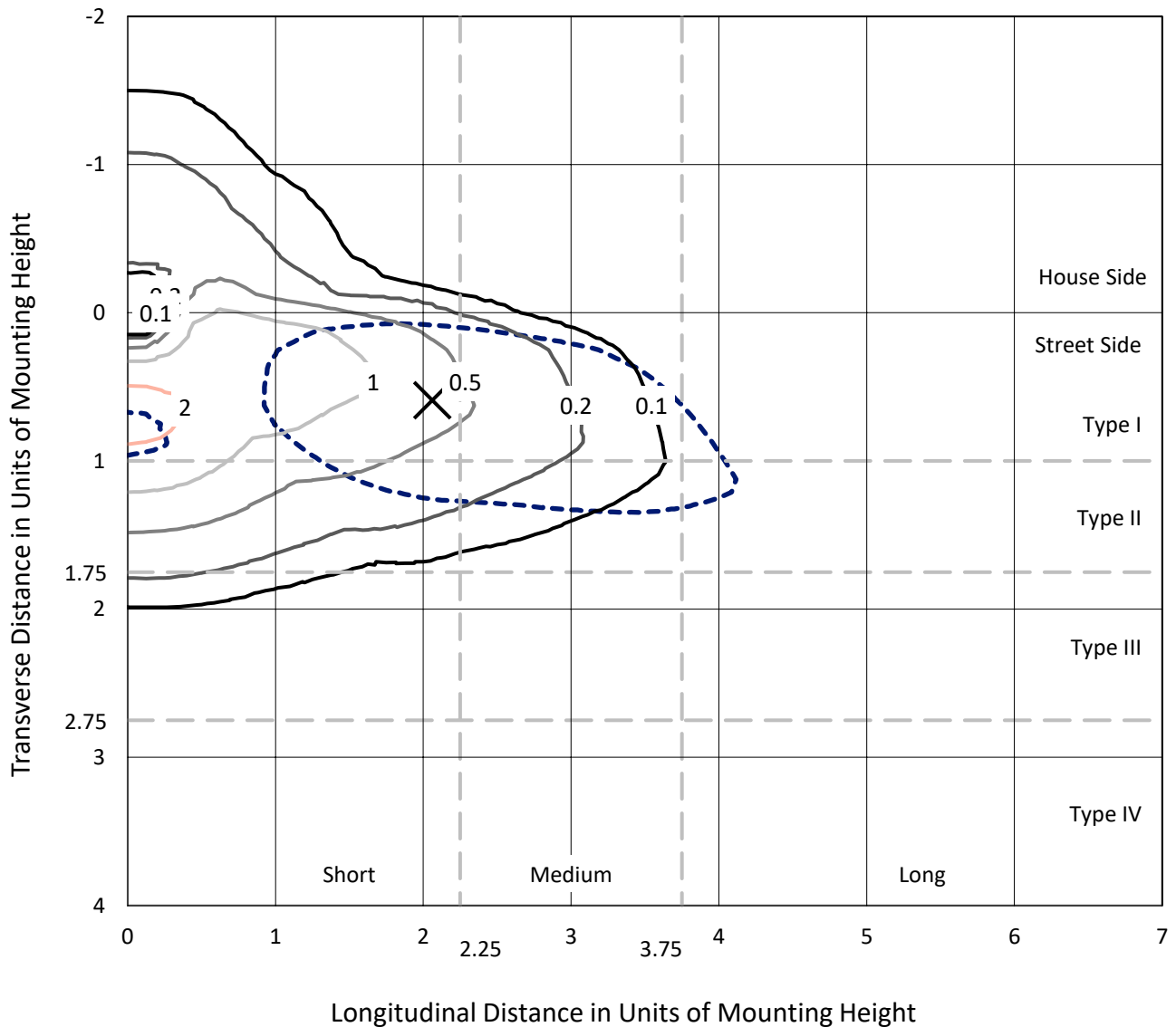
Input Watts (W): 53.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

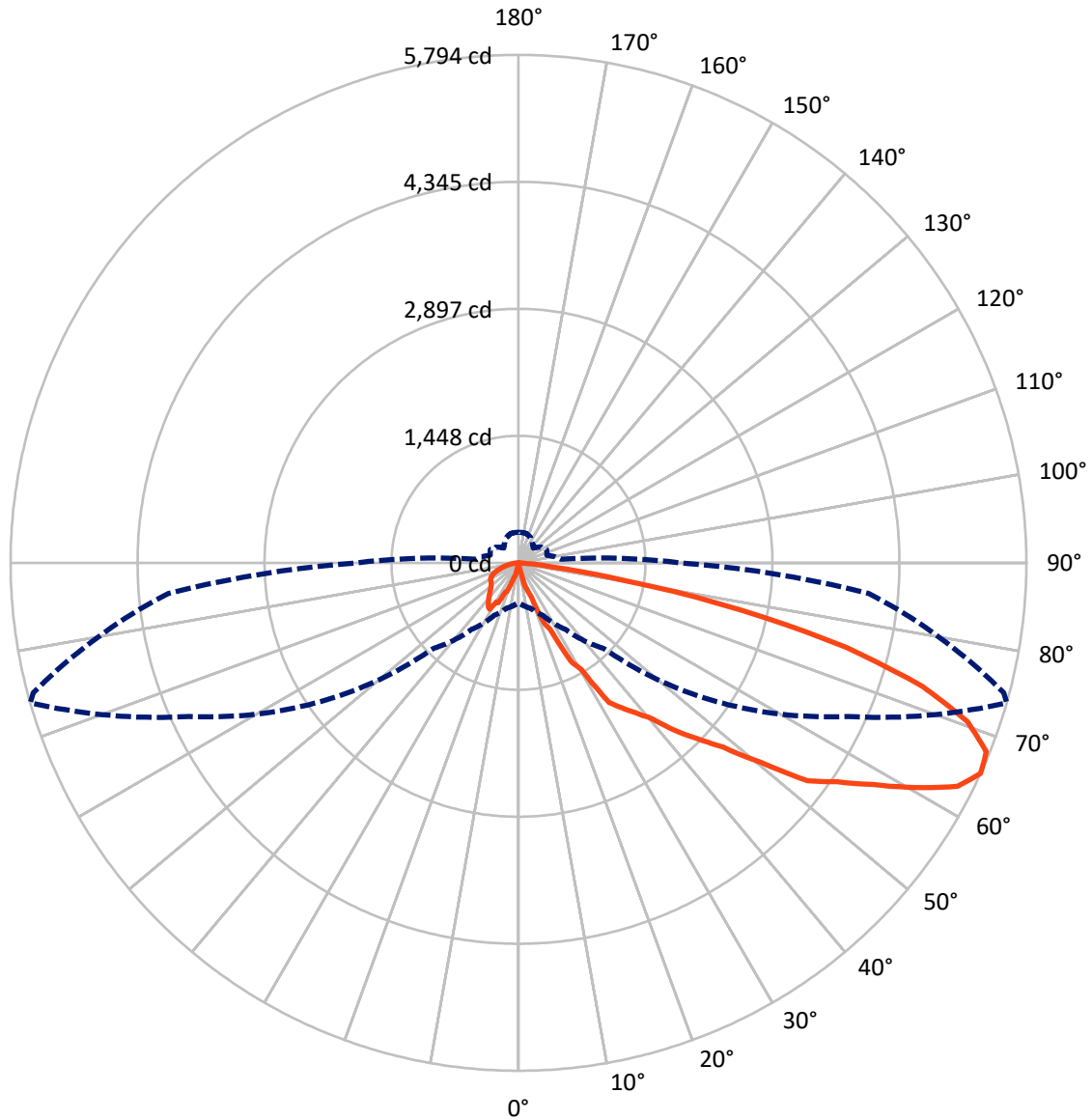
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

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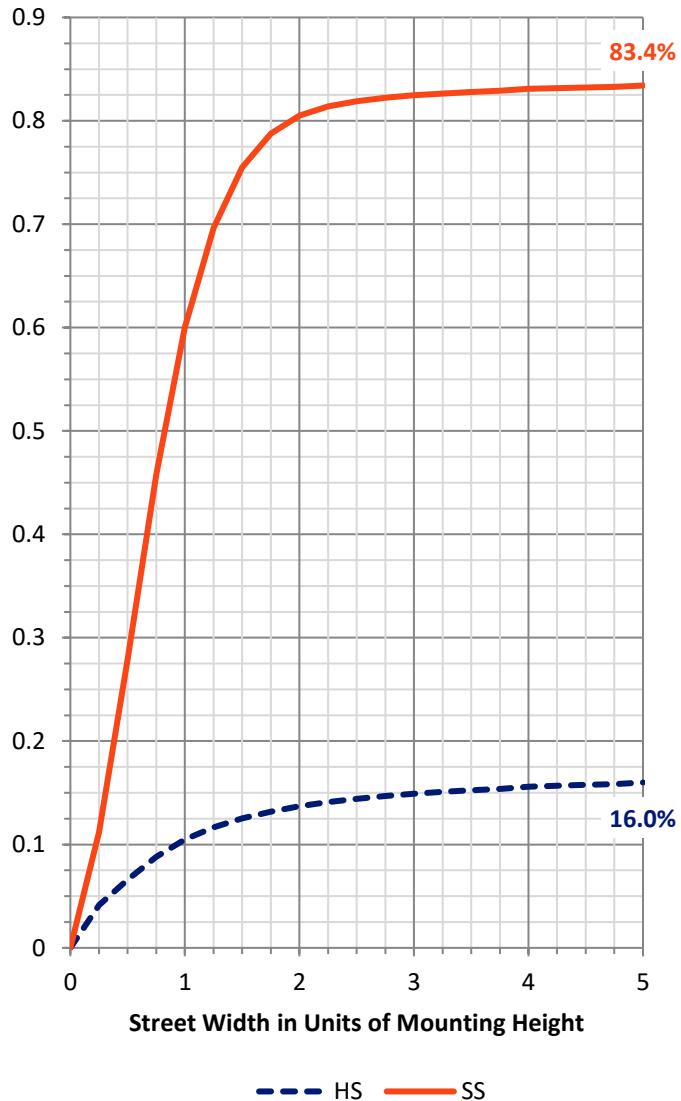
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	965.1	0.0	965.1
	% Fixture	16.4	0.0	16.4
<b>Street Side</b>	Lumens	4924.9	0.0	4924.9
	% Fixture	83.6	0.0	83.6
<b>Total</b>	Lumens	5890.0	0.0	5890.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	57.6	1.0
20°-30°	347.3	5.9
30°-40°	841.0	14.3
40°-50°	1178.7	20.0
50°-60°	1392.5	23.6
60°-70°	1277.1	21.7
70°-80°	691.8	11.7
80°-90°	103.7	1.8
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°	5890.0	100.0
0°-180°	5890.0	100.0

**Coefficient of Utilization**

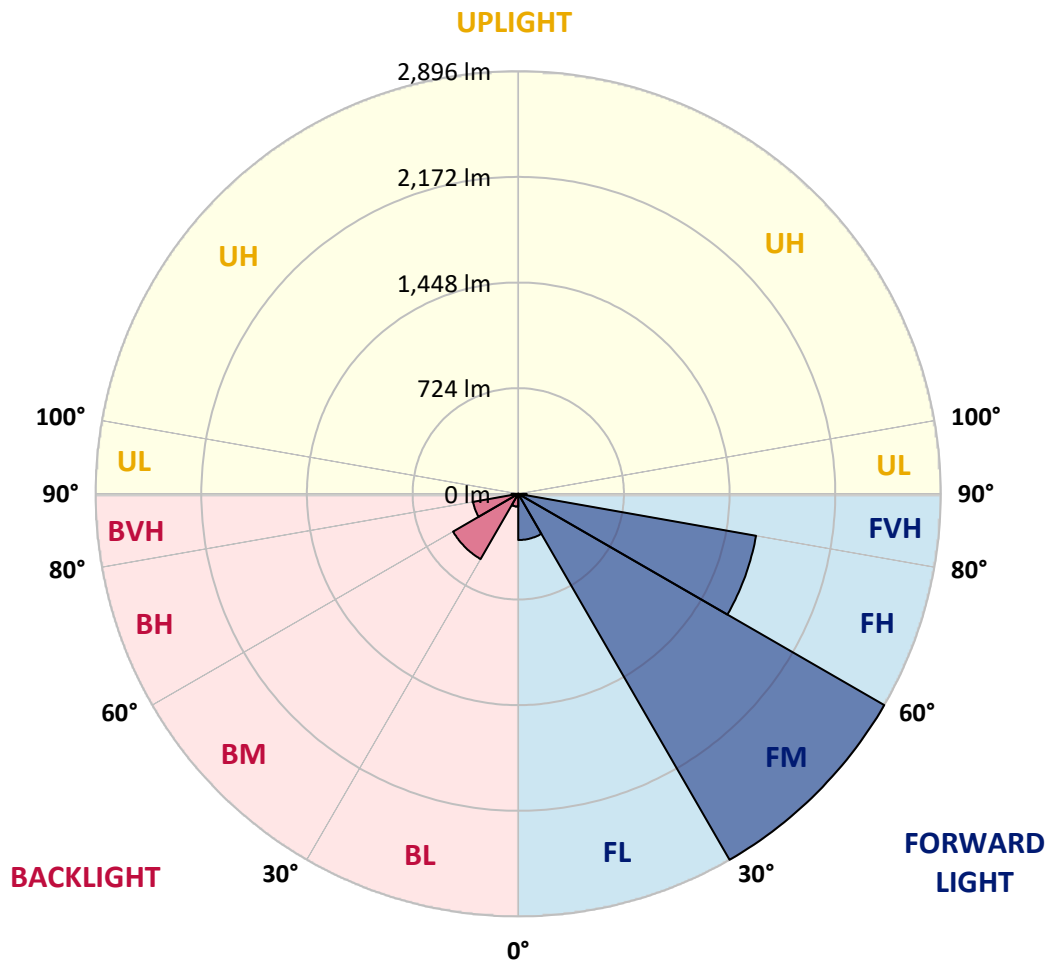


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	316.8	5.4			
FM (30°-60°)	2896.1	49.2			
FH (60°-80°)	1654.6	28.1			G1/1800
FVH (80°-90°)	57.4	1.0			G1/100
BL (0°-30°)	88.3	1.5	B0/110		
BM (30°-60°)	516.2	8.8	B1/1000		
BH (60°-80°)	314.3	5.3	B1/500		G1/500
BVH (80°-90°)	46.4	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**  
 Type II Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
5°	0.0	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1
7.5°	0.0	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
10°	28.8	26.8	20.6	12.3	6.2	2.1	2.1	2.1	2.1	2.1	2.1
12.5°	354.0	354.0	349.9	321.1	41.2	14.4	4.1	10.3	20.6	24.7	26.8
15°	401.3	397.2	397.2	393.1	382.8	88.5	39.1	308.7	282.0	273.7	209.9
17.5°	619.5	699.7	475.4	442.5	430.1	354.0	337.5	364.3	323.1	316.9	242.9
20°	942.6	942.6	936.4	926.1	500.1	689.5	648.3	417.8	424.0	510.4	483.6
22.5°	1053.7	1049.6	1029.0	1014.6	1090.8	747.1	703.9	767.7	749.1	743.0	568.0
25°	1691.7	1673.2	1644.4	1156.6	1193.7	1049.6	1045.5	981.7	839.7	825.3	652.4
27.5°	1850.2	1835.8	1811.1	1650.6	1364.5	1378.9	1094.9	1177.2	1271.9	1280.1	979.6
30°	2638.4	2615.8	2331.8	1829.6	1728.8	1502.4	1529.1	1492.1	1407.7	1374.8	1057.8
32.5°	2817.5	2805.2	2751.6	2387.4	1879.0	1780.2	1712.3	1646.5	1899.6	1856.4	1488.0
35°	2959.5	2936.9	2883.4	2477.9	2296.8	2068.4	1870.8	2070.4	2033.4	1992.2	1568.3
37.5°	3037.7	3013.0	2959.5	2578.8	2407.9	2171.3	2218.6	2196.0	2171.3	2154.8	1654.7
40°	3023.3	3002.7	2969.8	2644.6	2475.9	2235.1	2387.4	2352.4	2331.8	2418.2	1761.7
42.5°	2955.4	2934.8	2912.2	2677.6	2515.0	2282.4	2529.4	2576.7	2615.8	2599.3	1881.1
45°	2815.4	2796.9	2796.9	2644.6	2494.4	2321.5	2652.9	2807.2	2862.8	2801.0	2035.4
47.5°	2669.3	2654.9	2657.0	2554.1	2455.3	2358.6	2805.2	2994.5	3140.6	3066.5	2257.7
50°	2467.6	2461.5	2492.3	2467.6	2407.9	2362.7	2971.9	3305.3	3576.9	3552.2	2595.2
52.5°	2171.3	2175.4	2261.8	2317.4	2313.3	2333.9	3050.1	3603.7	4128.5	4062.6	2854.5
55°	1916.1	1901.7	1971.6	2099.2	2142.5	2284.5	3093.3	3683.9	4410.4	4346.6	3074.8
57.5°	1595.0	1597.1	1675.3	1807.0	1924.3	2169.2	3130.3	3830.1	4772.7	4698.6	3381.4
60°	1193.7	1234.8	1321.3	1455.1	1625.9	1977.8	3124.2	4029.7	5206.9	5159.6	3733.3
62.5°	780.0	794.4	915.8	1047.6	1311.0	1730.8	3017.1	4173.8	5618.5	5532.1	3965.9
65°	454.8	481.6	537.2	662.7	924.1	1385.1	2759.9	4145.0	5793.5	5729.7	4009.1
67.5°	306.7	310.8	337.5	409.6	578.3	996.1	2329.7	3873.3	5754.4	5696.7	3889.8
70°	257.3	259.3	267.5	275.8	333.4	644.2	1689.7	3332.0	5433.3	5390.1	3599.6
72.5°	230.5	232.6	236.7	230.5	234.6	372.5	1109.3	2764.0	4813.8	4760.3	3118.0
75°	209.9	209.9	209.9	205.8	199.6	228.4	617.4	2121.9	3869.2	3756.0	2370.9
77.5°	183.2	183.2	181.1	181.1	179.1	170.8	302.5	1498.3	2601.4	2490.3	1399.5
80°	150.2	150.2	150.2	152.3	150.2	127.6	162.6	901.4	1259.5	1234.8	541.3
82.5°	90.6	92.6	105.0	121.4	119.4	90.6	109.1	415.7	382.8	360.2	168.8
85°	12.3	10.3	28.8	41.2	49.4	32.9	45.3	94.7	88.5	92.6	41.2
87.5°	0.0	0.0	0.0	2.1	2.1	4.1	6.2	6.2	6.2	6.2	6.2
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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	2.1	2.1	0.0
5°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7.5°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	32.9	30.9	20.6	8.2	0.0	0.0	0.0	0.0	0.0	2.1	2.1
15°	187.3	170.8	156.4	131.7	26.8	4.1	2.1	14.4	32.9	74.1	76.1
17.5°	214.0	193.5	174.9	162.6	146.1	43.2	30.9	150.2	158.5	158.5	158.5
20°	413.7	366.3	253.1	183.2	158.5	131.7	144.1	162.6	168.8	170.8	170.8
22.5°	475.4	411.6	356.0	312.8	183.2	226.4	212.0	177.0	277.8	286.1	288.1
25°	541.3	465.1	376.6	327.2	310.8	232.6	242.9	273.7	294.3	294.3	294.3
27.5°	794.4	650.4	524.8	376.6	333.4	284.0	298.4	282.0	304.6	372.5	384.9
30°	850.0	679.2	522.8	419.8	354.0	331.3	298.4	368.4	395.1	395.1	393.1
32.5°	1160.8	889.1	646.2	417.8	382.8	327.2	358.1	380.7	399.3	426.0	436.3
35°	1208.1	887.0	621.5	481.6	376.6	343.7	364.3	405.4	473.4	483.6	477.5
37.5°	1245.1	870.6	584.5	459.0	405.4	358.1	374.6	444.5	475.4	471.3	463.1
40°	1288.4	847.9	543.3	442.5	391.0	358.1	399.3	442.5	454.8	436.3	432.2
42.5°	1341.9	819.1	506.3	421.9	376.6	356.0	395.1	417.8	417.8	413.7	409.6
45°	1416.0	792.4	471.3	399.3	370.5	347.8	384.9	384.9	409.6	405.4	403.4
47.5°	1545.6	765.6	440.4	380.7	362.2	337.5	358.1	372.5	401.3	399.3	397.2
50°	1685.6	736.8	415.7	368.4	354.0	325.2	327.2	360.2	393.1	391.0	389.0
52.5°	1774.1	685.3	397.2	364.3	345.8	312.8	316.9	349.9	386.9	382.8	378.7
55°	1839.9	640.1	384.9	362.2	337.5	284.0	308.7	341.6	378.7	372.5	368.4
57.5°	1930.5	603.0	376.6	366.3	331.3	263.4	298.4	333.4	370.5	364.3	364.3
60°	2019.0	572.1	368.4	368.4	329.3	253.1	290.2	327.2	362.2	360.2	360.2
62.5°	2016.9	535.1	354.0	366.3	327.2	244.9	284.0	321.1	354.0	356.0	354.0
65°	1842.0	487.8	333.4	354.0	312.8	238.7	275.8	321.1	345.8	347.8	347.8
67.5°	1619.7	428.1	300.5	333.4	288.1	234.6	269.6	314.9	331.3	341.6	341.6
70°	1366.6	351.9	259.3	304.6	263.4	230.5	269.6	304.6	314.9	335.5	333.4
72.5°	1119.6	277.8	216.1	265.5	236.7	226.4	271.7	290.2	294.3	321.1	312.8
75°	852.0	209.9	172.9	216.1	203.7	222.3	267.5	269.6	267.5	275.8	263.4
77.5°	553.6	158.5	139.9	164.6	168.8	212.0	259.3	244.9	232.6	226.4	220.2
80°	253.1	113.2	107.0	127.6	125.5	195.5	244.9	218.2	199.6	189.3	181.1
82.5°	102.9	74.1	74.1	92.6	86.4	170.8	220.2	187.3	164.6	156.4	152.3
85°	28.8	30.9	32.9	49.4	51.5	131.7	177.0	146.1	119.4	177.0	162.6
87.5°	4.1	4.1	4.1	6.2	6.2	8.2	24.7	32.9	43.2	18.5	16.5
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)