

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: P695620

Luminaire Tested: **LXF.LXT-PA16-60-730-U-T2U**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695620
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-60-730-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6383 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

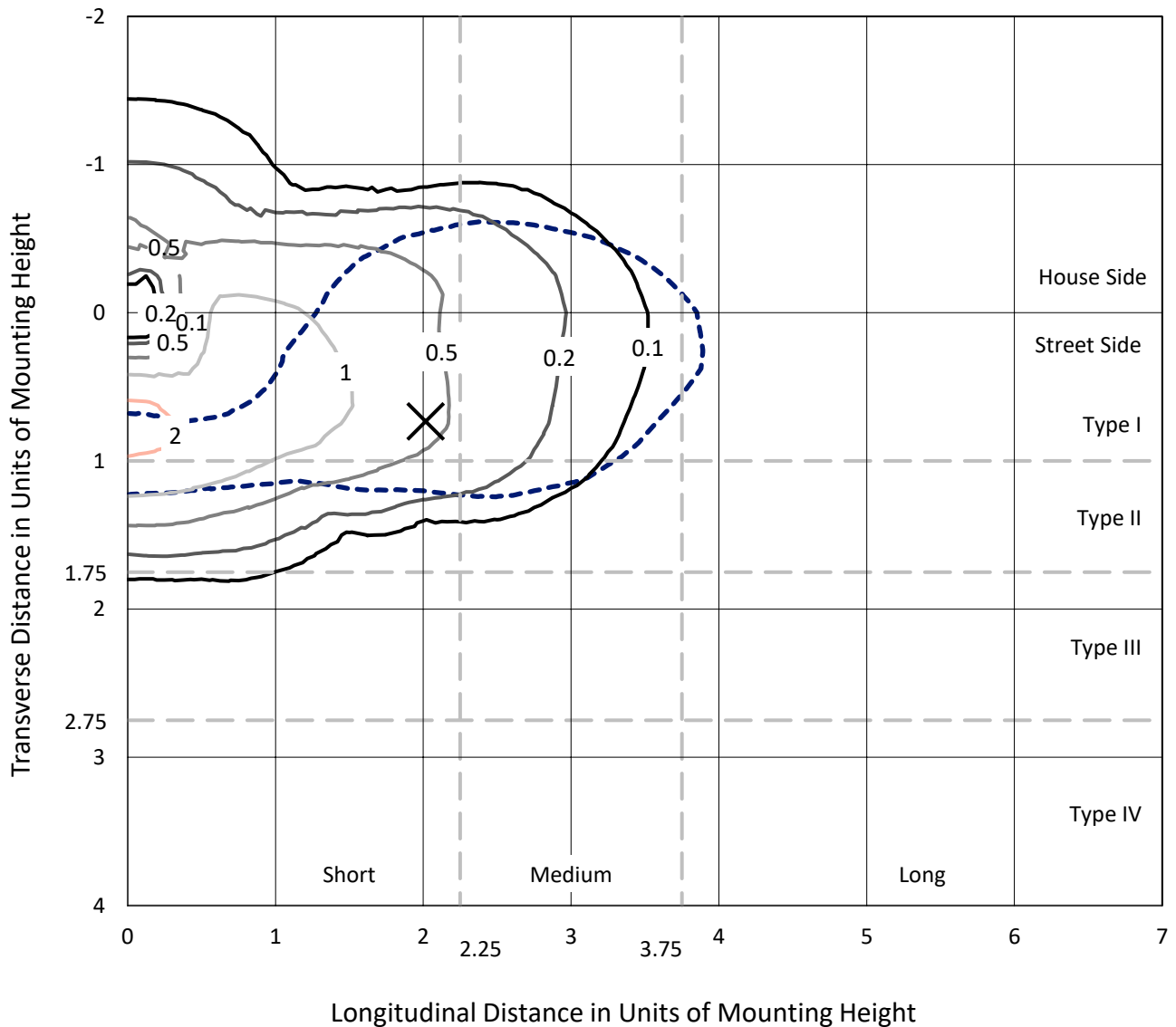
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

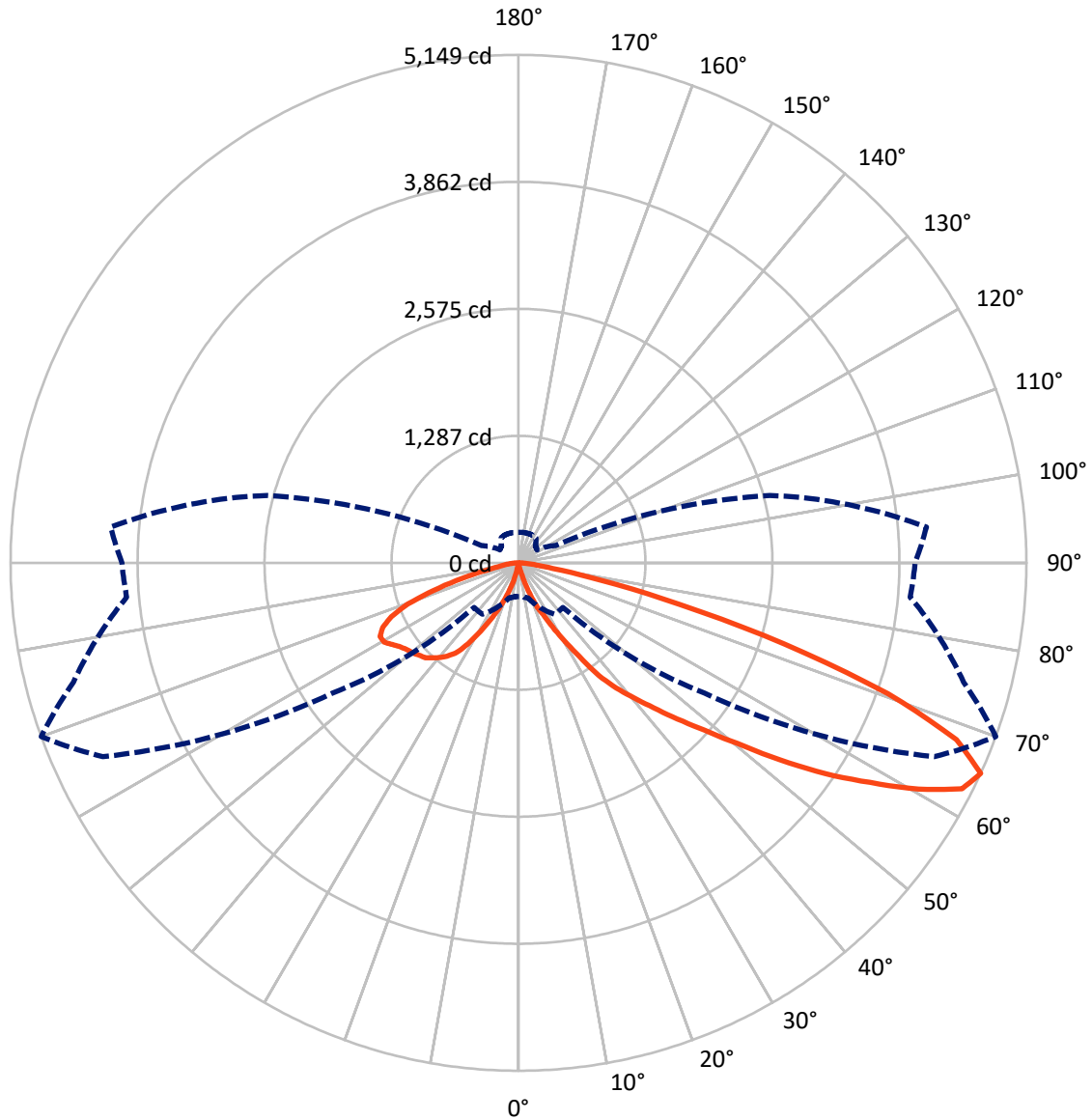
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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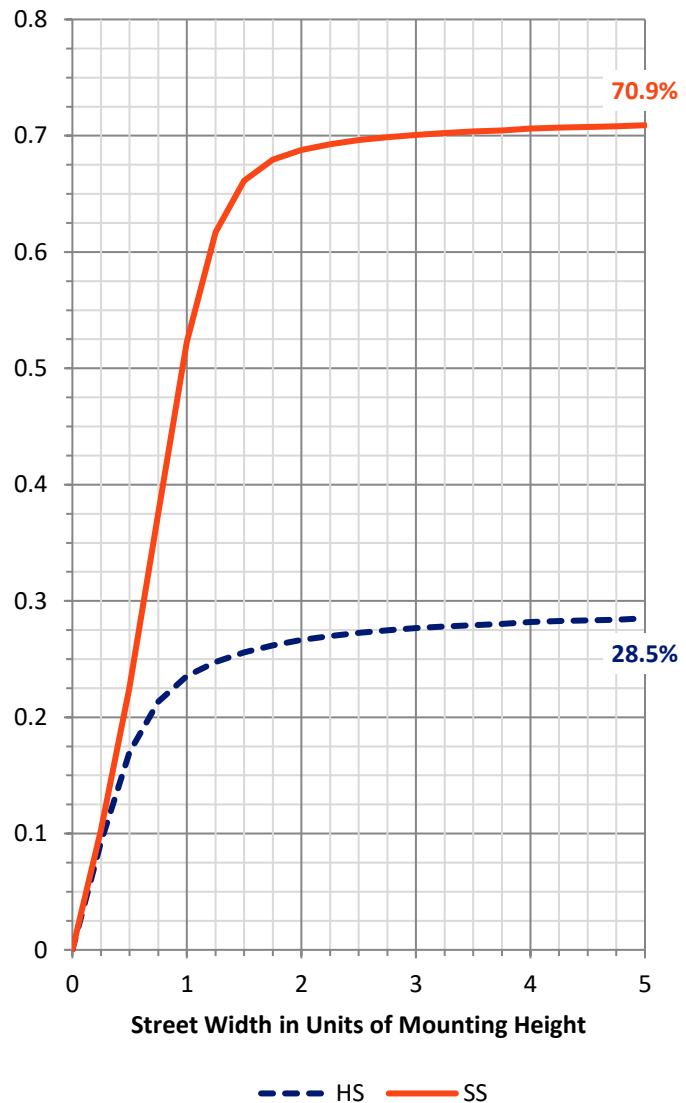
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1843.9	0.0	1843.9
	% Fixture	28.9	0.0	28.9
Street Side	Lumens	4539.1	0.0	4539.1
	% Fixture	71.1	0.0	71.1
Total	Lumens	6383.0	0.0	6383.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.2	0.0
10°-20°	46.8	0.7
20°-30°	294.2	4.6
30°-40°	782.6	12.3
40°-50°	1339.6	21.0
50°-60°	1638.8	25.7
60°-70°	1471.6	23.1
70°-80°	724.8	11.4
80°-90°	84.4	1.3
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°	6383.0	100.0
0°-180°	6383.0	100.0

Coefficient of Utilization



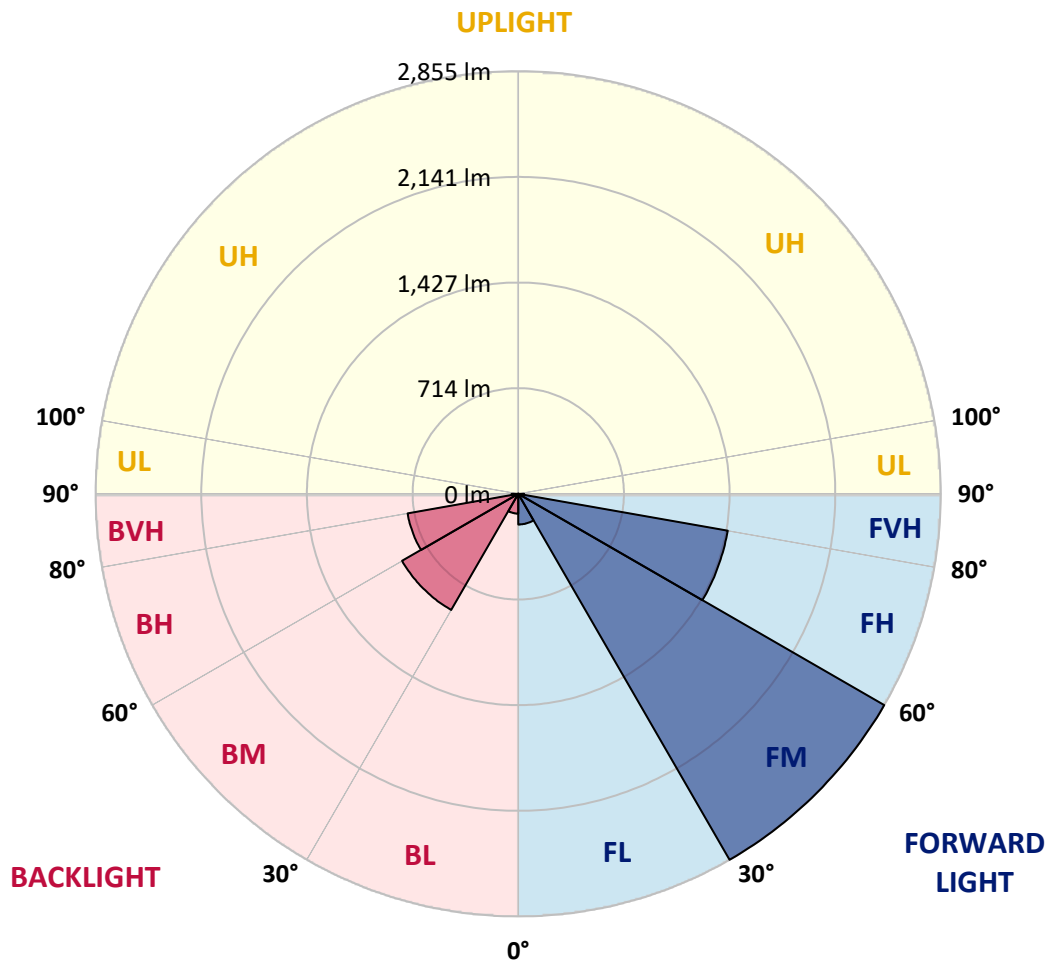
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	207.2	3.2			
FM (30°-60°)	2854.9	44.7			
FH (60°-80°)	1437.2	22.5			G1/1800
FVH (80°-90°)	39.8	0.6			G1/100
BL (0°-30°)	134.0	2.1	B1/500		
BM (30°-60°)	906.1	14.2	B1/1000		
BH (60°-80°)	759.2	11.9	B2/1000		G2/1000
BVH (80°-90°)	44.6	0.7			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	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	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0
5°	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0
7.5°	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0
10°	14.9	14.9	12.8	8.5	4.3	2.1	2.1	4.3	4.3	4.3	6.4
12.5°	191.3	193.4	187.0	129.6	25.5	8.5	8.5	25.5	65.9	89.3	99.9
15°	218.9	218.9	214.6	210.4	201.9	44.6	80.8	123.3	129.6	184.9	206.1
17.5°	299.7	284.8	252.9	238.0	229.5	244.4	180.6	229.5	235.9	240.2	255.0
20°	569.6	558.9	539.8	448.4	316.7	348.5	331.5	295.4	354.9	369.8	376.2
22.5°	680.1	669.4	650.3	607.8	556.8	403.8	448.4	410.2	495.2	516.4	512.2
25°	1151.9	1145.5	975.5	726.8	724.7	633.3	590.8	554.7	578.1	650.3	684.3
27.5°	1330.4	1328.3	1275.1	1149.7	843.7	777.8	707.7	754.5	737.5	826.7	854.3
30°	1902.1	1789.4	1589.7	1319.8	1185.9	947.8	958.5	986.1	916.0	971.2	1041.4
32.5°	2344.1	2325.0	2201.7	1759.7	1366.5	1168.9	1168.9	1179.5	1130.6	1173.1	1251.8
35°	2745.8	2707.5	2516.3	2093.3	1734.2	1419.6	1355.9	1415.4	1402.6	1402.6	1355.9
37.5°	3000.8	2992.3	2843.5	2410.0	2006.2	1627.9	1576.9	1608.8	1610.9	1617.3	1479.2
40°	3243.1	3221.8	3130.5	2696.9	2356.9	1891.4	1791.6	1842.6	1797.9	1827.7	1636.4
42.5°	3368.5	3340.9	3287.7	2994.4	2743.7	2376.0	2084.8	2053.0	2008.3	2042.3	1825.6
45°	3383.4	3321.7	3336.6	3175.1	3060.3	2796.8	2378.1	2274.0	2257.0	2278.2	2044.5
47.5°	3175.1	3113.5	3217.6	3175.1	3243.1	3100.7	2769.2	2571.5	2535.4	2548.1	2271.9
50°	2694.8	2688.4	2835.0	2985.9	3270.7	3311.1	3253.7	2894.6	2875.4	2866.9	2531.1
52.5°	2225.1	2197.5	2327.1	2554.5	3030.6	3302.6	3649.0	3306.8	3315.3	3217.6	2790.4
55°	1695.9	1727.8	1857.4	2040.2	2509.9	3130.5	3957.2	3844.5	3774.4	3555.5	3047.6
57.5°	1035.0	1137.0	1345.3	1532.3	2006.2	2690.5	3991.2	4314.2	4201.6	3897.7	3311.1
60°	603.6	605.7	769.3	1088.1	1447.3	1927.6	3765.9	4722.2	4660.6	4258.9	3578.9
62.5°	422.9	431.4	478.2	750.2	905.3	1198.6	3194.2	4898.6	5045.3	4524.6	3846.7
65°	342.2	342.2	367.7	490.9	637.6	637.6	2299.5	4650.0	5149.4	4671.2	3986.9
67.5°	320.9	320.9	333.7	359.2	493.1	420.8	1122.1	4020.9	4790.3	4592.6	4006.0
70°	284.8	284.8	310.3	320.9	384.7	323.0	482.4	3022.1	3974.2	4184.6	3876.4
72.5°	240.2	244.4	265.7	303.9	301.8	255.0	327.3	1829.8	2815.9	3311.1	3561.9
75°	197.6	201.9	216.8	248.7	278.4	193.4	261.4	903.2	1685.3	2212.4	2856.3
77.5°	155.1	153.0	174.3	201.9	227.4	148.8	191.3	393.2	839.5	1251.8	1708.7
80°	104.1	104.1	125.4	153.0	157.3	140.3	131.8	246.5	350.7	514.3	680.1
82.5°	65.9	68.0	80.8	95.6	108.4	119.0	95.6	150.9	182.8	208.3	195.5
85°	14.9	12.8	21.3	27.6	40.4	42.5	46.8	51.0	63.8	68.0	59.5
87.5°	0.0	0.0	2.1	2.1	2.1	4.3	4.3	8.5	8.5	10.6	10.6
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°	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
5°	0.0	0.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0
7.5°	0.0	0.0	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
10°	6.4	6.4	4.3	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
12.5°	104.1	102.0	95.6	29.8	8.5	2.1	0.0	2.1	4.3	6.4	8.5
15°	208.3	206.1	195.5	131.8	110.5	14.9	6.4	29.8	136.0	189.1	195.5
17.5°	255.0	257.2	246.5	242.3	176.4	112.6	119.0	223.1	233.8	238.0	238.0
20°	376.2	374.0	367.7	329.4	246.5	221.0	284.8	244.4	252.9	261.4	265.7
22.5°	510.1	505.8	497.3	397.4	346.4	352.8	310.3	329.4	442.0	448.4	450.5
25°	669.4	654.6	607.8	518.6	499.4	429.3	456.9	425.0	433.5	435.7	433.5
27.5°	831.0	814.0	705.6	652.4	595.1	450.5	469.7	433.5	486.7	541.9	541.9
30°	1001.0	969.1	843.7	794.8	673.7	541.9	459.0	480.3	490.9	488.8	488.8
32.5°	1190.1	1130.6	967.0	969.1	720.5	539.8	473.9	437.8	461.2	541.9	544.1
35°	1290.0	1213.5	1120.0	1081.7	777.8	497.3	420.8	454.8	495.2	499.4	497.3
37.5°	1389.9	1290.0	1183.7	1175.2	748.1	452.7	412.3	431.4	448.4	442.0	442.0
40°	1523.8	1406.9	1304.9	1179.5	699.2	410.2	395.3	405.9	408.0	401.7	401.7
42.5°	1691.7	1555.7	1451.5	1143.4	609.9	382.5	378.3	384.7	388.9	380.4	378.3
45°	1889.3	1729.9	1598.2	1100.9	497.3	367.7	369.8	369.8	376.2	367.7	365.5
47.5°	2114.6	1948.8	1702.3	1045.6	420.8	354.9	363.4	359.2	363.4	352.8	350.7
50°	2367.5	2180.5	1846.8	969.1	380.4	337.9	359.2	346.4	350.7	344.3	344.3
52.5°	2603.4	2441.9	1987.1	875.6	348.5	325.2	344.3	344.3	348.5	342.2	340.0
55°	2862.7	2726.7	2152.9	782.1	316.7	314.5	342.2	346.4	344.3	337.9	337.9
57.5°	3130.5	3062.4	2318.6	726.8	289.0	295.4	340.0	348.5	342.2	335.8	333.7
60°	3442.9	3483.2	2482.3	682.2	263.5	276.3	333.7	340.0	335.8	329.4	329.4
62.5°	3772.3	3910.4	2609.8	569.6	246.5	259.3	320.9	329.4	323.0	320.9	320.9
65°	4020.9	4150.6	2637.4	414.4	229.5	242.3	308.2	314.5	312.4	310.3	310.3
67.5°	4125.1	4161.2	2507.8	295.4	212.5	227.4	293.3	301.8	295.4	299.7	297.5
70°	4069.8	3884.9	2150.7	244.4	195.5	208.3	274.2	280.5	276.3	286.9	282.7
72.5°	3627.8	3249.5	1604.5	206.1	180.6	189.1	252.9	257.2	255.0	259.3	250.8
75°	2752.2	2308.0	1003.1	182.8	163.6	167.9	225.3	233.8	227.4	225.3	216.8
77.5°	1587.5	1392.0	501.6	165.8	146.6	144.5	197.6	204.0	199.8	187.0	191.3
80°	588.7	486.7	225.3	144.5	127.5	121.1	163.6	170.0	165.8	153.0	153.0
82.5°	170.0	157.3	138.1	119.0	110.5	95.6	131.8	138.1	136.0	129.6	121.1
85°	53.1	55.3	70.1	76.5	80.8	68.0	99.9	99.9	91.4	82.9	68.0
87.5°	6.4	10.6	12.8	21.3	25.5	19.1	25.5	27.6	25.5	17.0	17.0
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)