

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: P416135

Luminaire Tested: **LXF.LXT-PA1-60-830-U-T2R**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416135
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1909-505-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-830-U-T2R
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5909 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G1

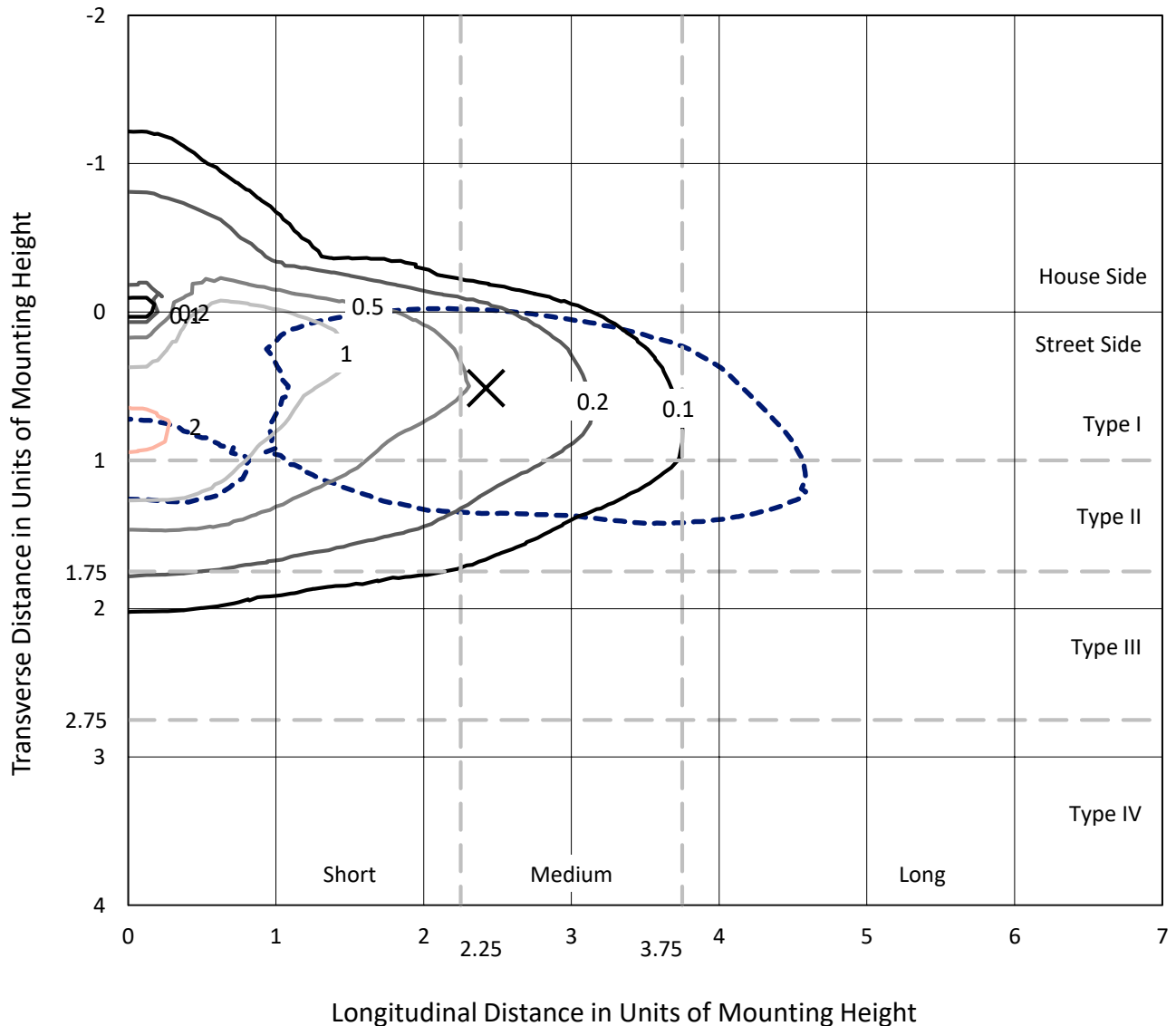
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

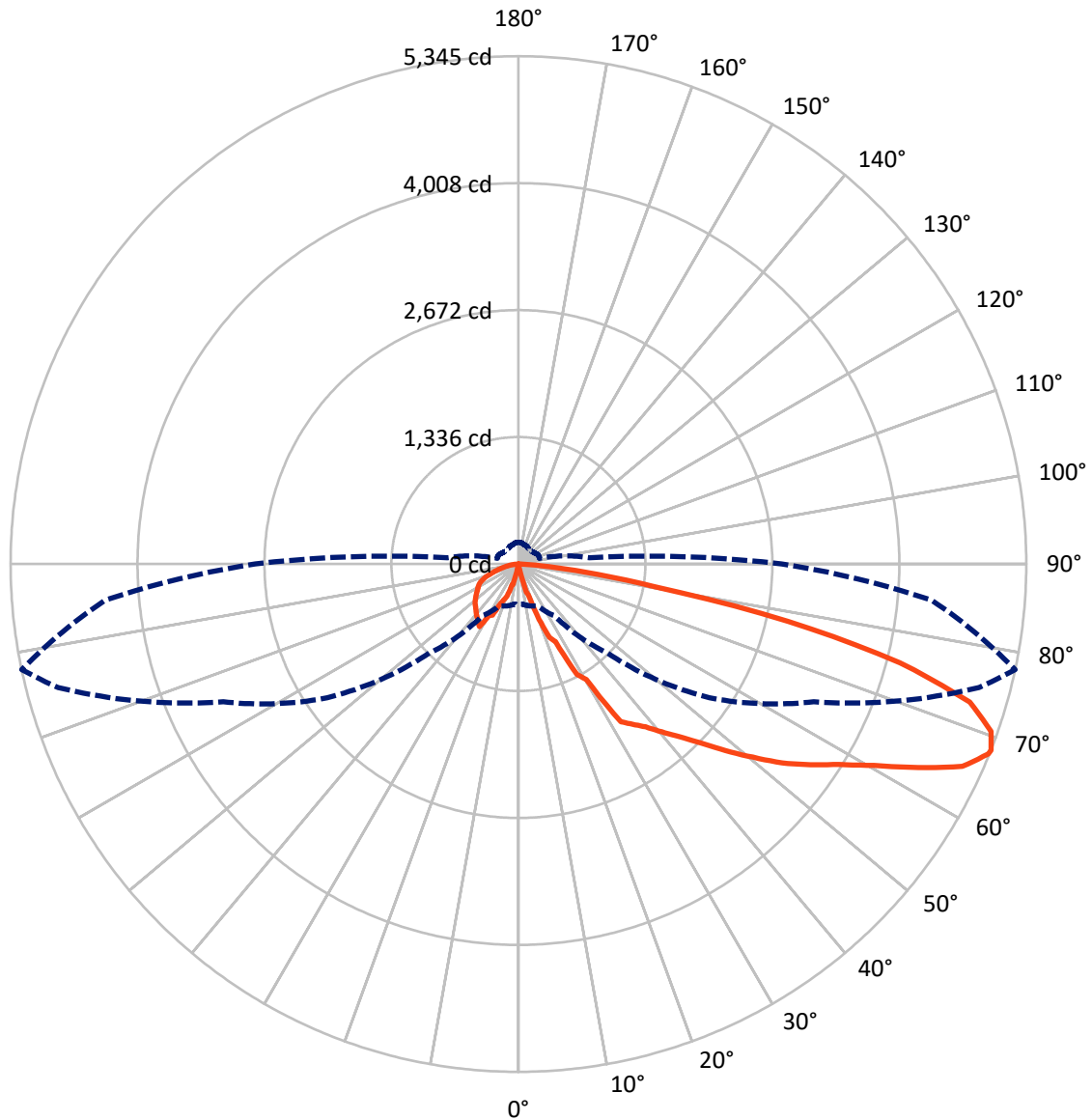
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type II - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical



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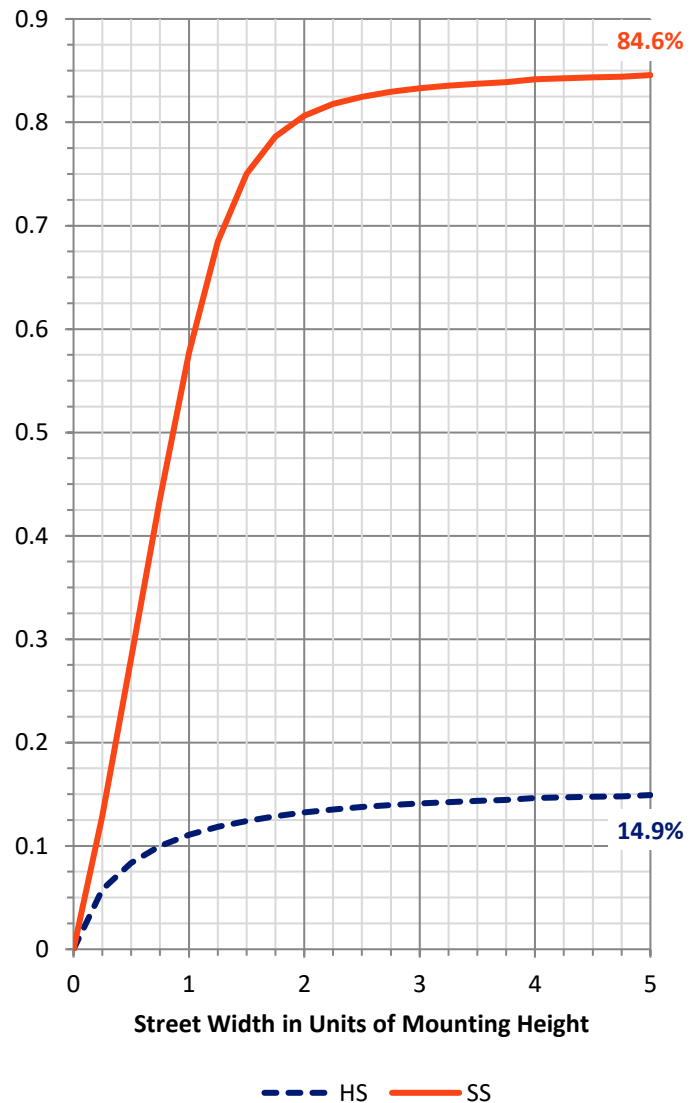
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	897.1	0.0	897.1
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	5011.9	0.0	5011.9
	% Fixture	84.8	0.0	84.8
Total	Lumens	5909.0	0.0	5909.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.9	0.1
10°-20°	85.6	1.4
20°-30°	326.1	5.5
30°-40°	761.3	12.9
40°-50°	1188.5	20.1
50°-60°	1364.3	23.1
60°-70°	1267.7	21.5
70°-80°	783.3	13.3
80°-90°	126.1	2.1
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°	5909.0	100.0
0°-180°	5909.0	100.0



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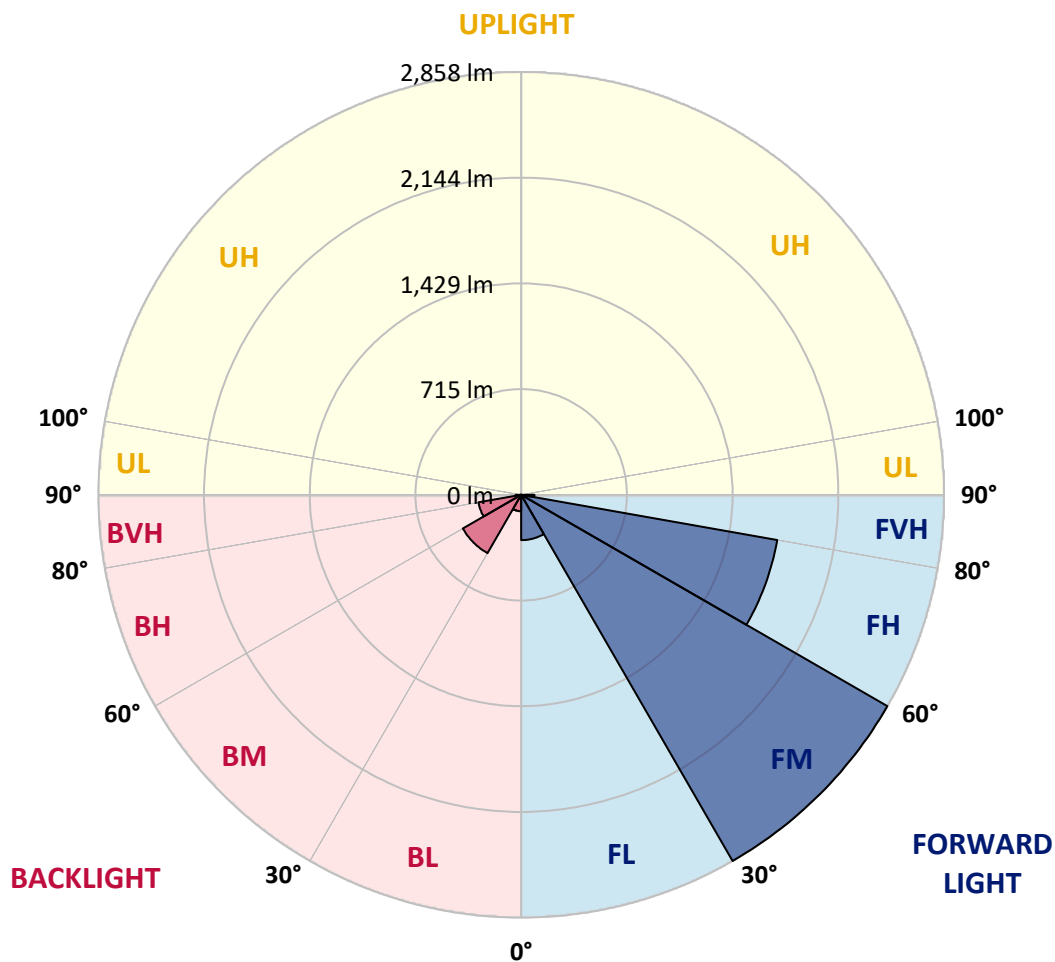
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	306.4	5.2			
FM (30°-60°)	2858.4	48.4			
FH (60°-80°)	1757.9	29.7			G1/1800
FVH (80°-90°)	89.2	1.5			G1/100
BL (0°-30°)	111.2	1.9	B1/500		
BM (30°-60°)	455.8	7.7	B1/1000		
BH (60°-80°)	293.2	5.0	B1/500		G1/500
BVH (80°-90°)	36.9	0.6			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	4.5	4.5	5.2	5.8	7.1	6.5	4.5	3.2	2.6	2.6	2.6
5°	209.4	192.5	107.6	55.8	19.4	11.7	5.8	4.5	3.2	3.2	2.6
7.5°	236.6	235.3	233.4	231.4	228.2	215.9	22.7	6.5	3.9	3.9	2.6
10°	255.4	253.5	252.2	250.9	246.3	239.9	228.8	20.1	7.1	6.5	5.8
12.5°	495.9	494.6	492.7	315.1	267.1	260.0	250.2	178.9	20.7	31.1	94.0
15°	494.6	492.7	498.5	508.9	517.3	284.6	287.2	502.4	311.2	298.9	318.3
17.5°	516.0	513.4	507.0	514.1	529.6	595.1	562.7	543.9	366.3	349.4	339.7
20°	756.5	756.5	764.3	757.8	549.7	760.4	720.2	584.1	661.9	622.4	578.9
22.5°	800.6	797.4	798.7	811.7	954.3	788.3	794.8	901.1	919.9	840.2	720.2
25°	1138.4	1137.7	1093.0	857.7	1006.1	950.4	1098.2	964.0	997.7	903.7	883.6
27.5°	1281.0	1282.3	1246.0	1213.6	1063.2	1232.4	1165.6	1269.3	1417.2	1316.7	1131.9
30°	1723.8	1706.9	1421.7	1389.9	1301.1	1299.2	1411.3	1498.8	1457.3	1410.0	1264.2
32.5°	2048.6	2031.7	1968.8	1749.1	1546.8	1447.0	1621.4	1568.2	1901.4	1979.2	1714.1
35°	2551.0	2545.2	2211.3	1984.4	1816.5	1749.7	1703.7	1910.5	2058.3	2070.0	1825.6
37.5°	2936.7	2917.9	2722.2	2322.2	2044.7	1890.4	2000.0	2003.2	2230.1	2175.0	2000.0
40°	3113.1	3101.4	2951.0	2575.6	2254.7	2080.3	2124.4	2143.2	2418.1	2322.8	2127.0
42.5°	3247.3	3233.0	3137.7	2728.0	2439.5	2272.9	2252.8	2269.6	2600.3	2484.2	2263.2
45°	3316.6	3308.2	3263.5	2836.3	2568.5	2395.4	2390.2	2381.2	2724.1	2683.3	2411.0
47.5°	3277.7	3268.7	3288.8	2983.4	2648.9	2495.9	2517.9	2501.7	2866.1	2932.8	2571.7
50°	3061.9	3070.3	3150.7	2989.2	2700.1	2577.6	2652.8	2612.6	3059.3	3196.0	2766.9
52.5°	2436.9	2471.3	2811.6	2859.6	2705.3	2615.8	2774.0	2781.8	3299.1	3477.4	3023.6
55°	1818.4	1867.1	2168.5	2543.2	2601.6	2617.1	2851.8	2936.7	3538.3	3727.6	3239.5
57.5°	1431.4	1461.2	1653.1	2029.1	2351.3	2571.1	2931.5	3062.5	3760.7	3977.9	3451.5
60°	1144.2	1126.1	1251.2	1536.4	1959.8	2442.1	2966.6	3226.5	4037.5	4300.7	3701.1
62.5°	827.2	828.5	923.8	1086.5	1551.3	2187.3	2939.3	3385.3	4390.2	4718.2	4033.6
65°	586.7	592.5	657.4	744.9	1121.5	1837.2	2804.5	3493.6	4788.2	5135.7	4304.0
67.5°	446.7	450.6	481.0	521.9	724.8	1397.7	2527.7	3471.6	5006.7	5333.4	4382.4
68°	428.5	422.0	456.4	486.2	667.1	1325.1	2451.8	3427.5	5017.1	5344.5	4363.6
70°	361.1	361.1	376.7	383.8	472.6	979.6	2080.3	3161.0	4980.1	5276.4	4221.0
72.5°	301.5	299.5	308.6	302.7	333.9	641.2	1511.2	2726.0	4716.3	4965.9	3796.4
75°	250.9	250.9	252.2	247.6	256.1	429.8	982.2	2135.5	4166.5	4146.4	3089.7
77.5°	213.9	208.7	207.5	201.0	208.1	312.5	602.3	1519.6	3008.0	2899.8	1961.7
80°	169.9	169.2	170.5	166.6	172.4	227.5	366.9	888.2	1638.2	1441.8	914.7
82.5°	105.0	115.4	127.1	127.1	145.2	160.8	222.4	475.2	794.2	698.2	388.3
85°	34.4	42.1	74.6	77.1	93.4	75.2	127.7	153.0	265.1	236.6	74.6
87.5°	1.3	1.9	5.8	9.1	8.4	5.2	9.1	7.1	14.9	11.0	11.7
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°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	2.6	2.6	2.6	3.2	3.2	1.9	1.3	2.6	2.6	2.6	2.6
5°	2.6	2.6	3.2	3.2	3.2	2.6	3.2	4.5	5.2	5.2	5.2
7.5°	2.6	2.6	2.6	3.9	3.9	4.5	6.5	38.9	89.5	97.9	96.6
10°	5.2	4.5	5.2	5.8	7.1	83.0	108.9	114.7	117.3	119.3	118.6
12.5°	124.5	111.5	20.7	11.7	78.4	116.7	118.6	123.2	127.7	129.7	129.7
15°	291.7	261.3	199.7	150.4	134.2	124.5	126.4	166.0	225.6	231.4	232.1
17.5°	309.9	271.6	208.7	230.1	237.3	184.8	202.9	228.2	230.8	231.4	231.4
20°	584.1	489.5	296.9	242.5	241.8	309.2	216.5	223.0	226.9	258.0	261.9
22.5°	632.1	524.5	356.6	344.2	260.6	309.2	283.3	275.5	301.5	298.9	300.8
25°	794.8	629.5	375.4	345.5	365.0	299.5	332.6	274.2	278.8	277.5	277.5
27.5°	1010.7	794.2	524.5	387.0	354.6	346.2	307.9	263.9	316.4	317.7	317.7
30°	1070.3	816.8	524.5	418.1	368.9	340.4	284.6	311.8	294.3	289.1	286.5
32.5°	1483.3	1107.9	634.7	402.6	363.7	312.5	311.8	289.8	289.1	300.8	300.8
35°	1558.5	1124.8	579.6	460.3	342.9	322.2	296.3	293.0	280.1	275.5	274.9
37.5°	1633.0	1135.1	537.4	422.7	352.0	307.3	291.7	269.0	283.3	283.3	282.0
40°	1712.8	1146.2	499.2	388.3	323.5	307.3	270.3	268.4	248.9	250.2	248.9
42.5°	1798.3	1150.7	458.3	359.8	296.9	288.5	261.3	241.2	240.5	245.1	243.8
45°	1896.2	1156.5	420.7	323.5	270.3	254.1	233.4	234.7	247.0	257.4	257.4
47.5°	2000.6	1161.7	389.6	291.1	251.5	230.8	215.2	220.4	242.5	252.8	256.1
50°	2141.9	1168.2	354.0	264.5	238.6	213.3	210.7	215.2	239.2	247.0	243.8
52.5°	2292.3	1156.5	319.0	247.6	225.0	193.8	198.4	210.0	236.0	239.9	237.3
55°	2415.5	1127.4	291.7	236.6	215.2	185.4	191.9	206.2	230.8	232.7	233.4
57.5°	2558.8	1089.1	270.3	228.2	209.4	181.5	189.3	205.5	220.4	229.5	229.5
60°	2699.5	1044.4	257.4	223.7	204.9	181.5	189.3	204.9	218.5	228.2	227.5
62.5°	2864.1	993.8	249.6	226.3	199.0	183.5	190.6	206.8	217.8	228.8	227.5
65°	2921.8	897.2	243.8	230.1	198.4	186.1	191.2	209.4	217.2	230.1	228.8
67.5°	2807.7	769.5	234.0	230.1	204.2	189.3	190.6	208.1	215.2	230.8	225.0
68°	2769.5	750.7	230.8	229.5	204.9	189.9	190.6	207.5	213.9	230.1	223.7
70°	2556.8	631.4	214.6	223.0	207.5	192.5	187.4	202.9	207.5	228.8	221.1
72.5°	2212.6	492.0	187.4	207.5	204.9	196.4	181.5	193.8	196.4	213.9	201.0
75°	1769.2	374.1	154.9	180.2	192.5	196.4	173.1	181.5	180.9	189.3	177.6
77.5°	1112.5	267.1	125.1	153.0	175.0	191.2	165.3	165.3	157.5	158.8	153.6
80°	539.4	182.8	101.1	126.4	146.5	180.9	151.7	139.4	129.7	127.1	120.6
82.5°	265.1	118.0	70.0	95.3	116.0	149.8	136.1	114.7	97.9	96.6	86.2
85°	61.6	48.6	38.2	50.6	73.3	97.9	97.9	72.0	60.9	79.1	58.3
87.5°	5.8	7.1	7.8	7.1	9.1	8.4	20.7	20.7	18.8	12.3	8.4
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)