

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: P415312

Luminaire Tested: **LXF.LXT-PA1-40-830-U-T2U**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415312
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-5)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-830-U-T2U
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4040 lumens
Efficiency: N/A
Efficacy: 101.0 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

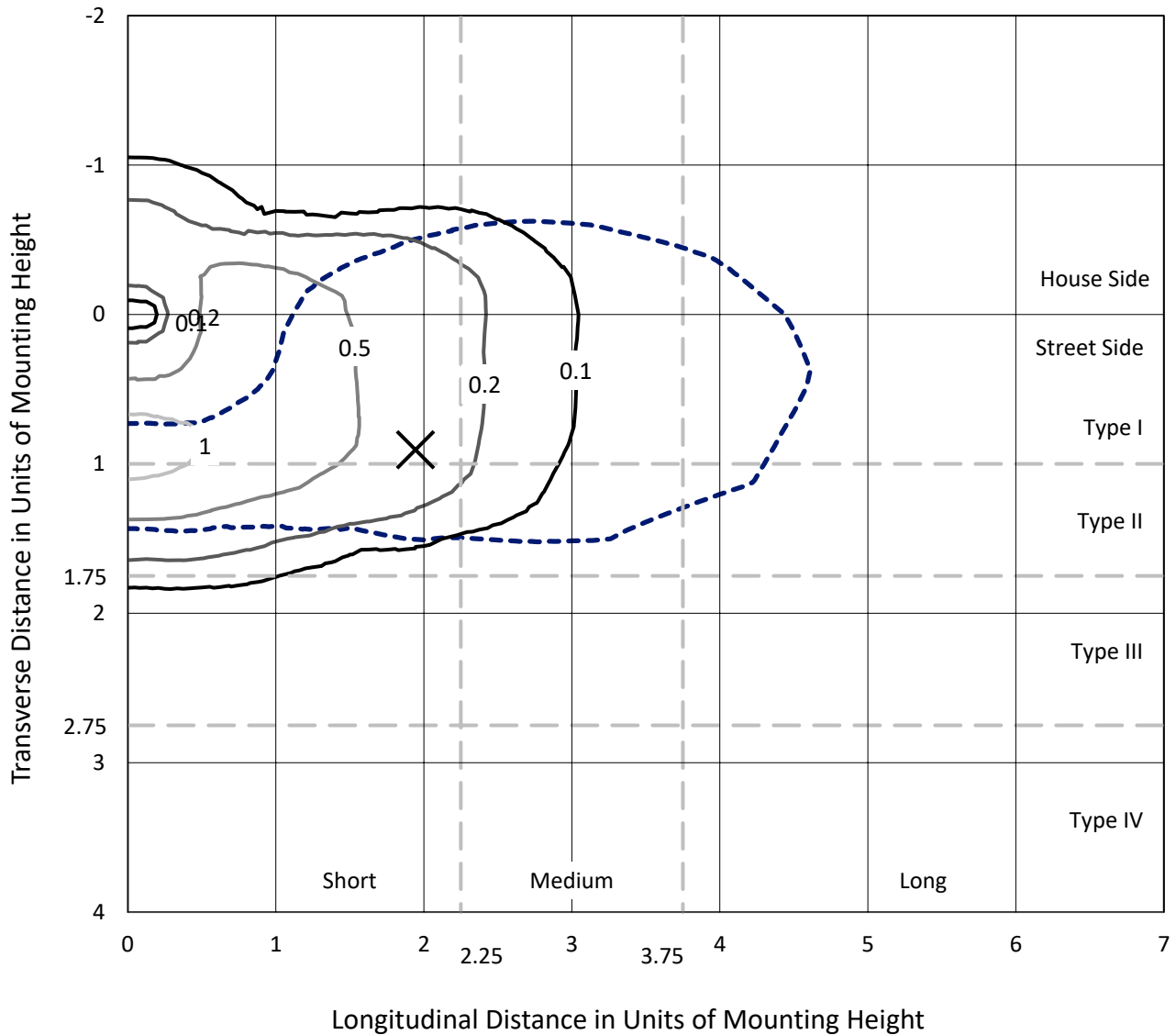
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

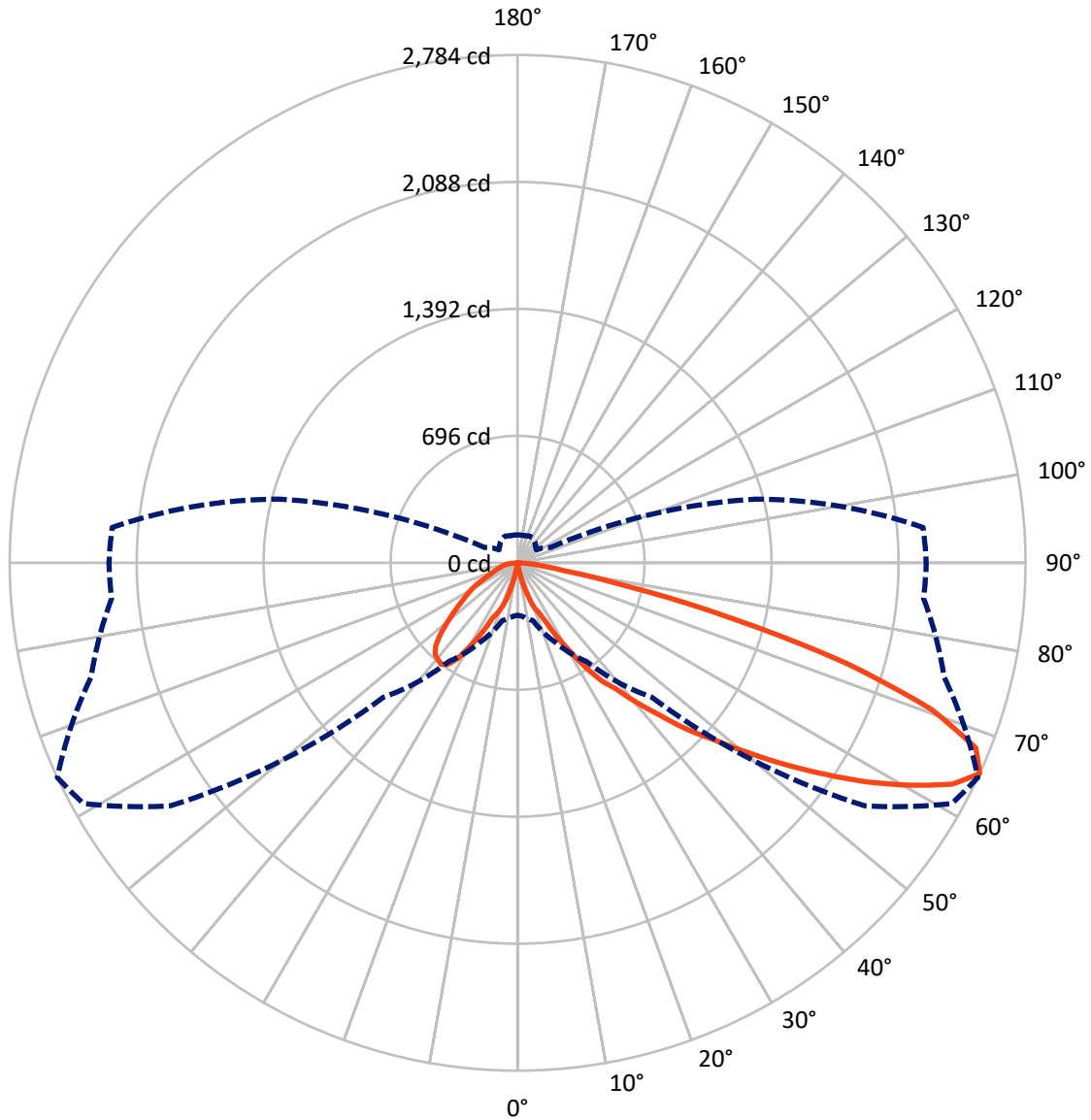
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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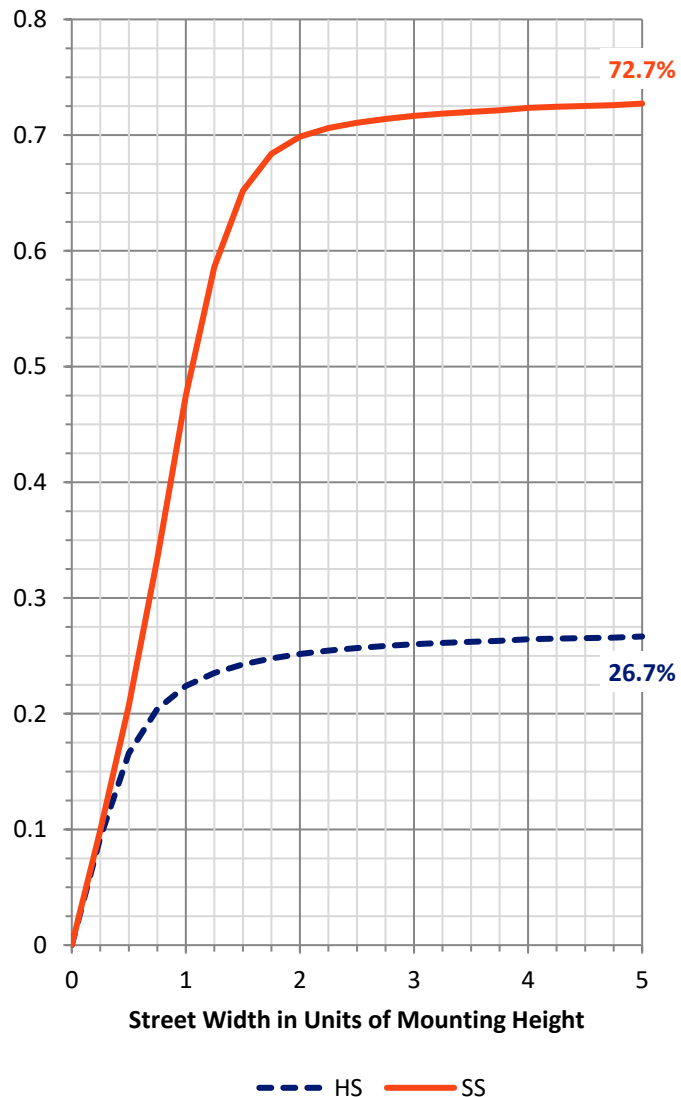
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1090.1	0.0	1090.1
	% Fixture	27.0	0.0	27.0
Street Side	Lumens	2949.9	0.0	2949.9
	% Fixture	73.0	0.0	73.0
Total	Lumens	4040.0	0.0	4040.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.1
10°-20°	44.6	1.1
20°-30°	171.8	4.3
30°-40°	430.0	10.6
40°-50°	800.7	19.8
50°-60°	1048.5	26.0
60°-70°	939.9	23.3
70°-80°	517.0	12.8
80°-90°	84.5	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°	4040.0	100.0
0°-180°	4040.0	100.0

Coefficient of Utilization



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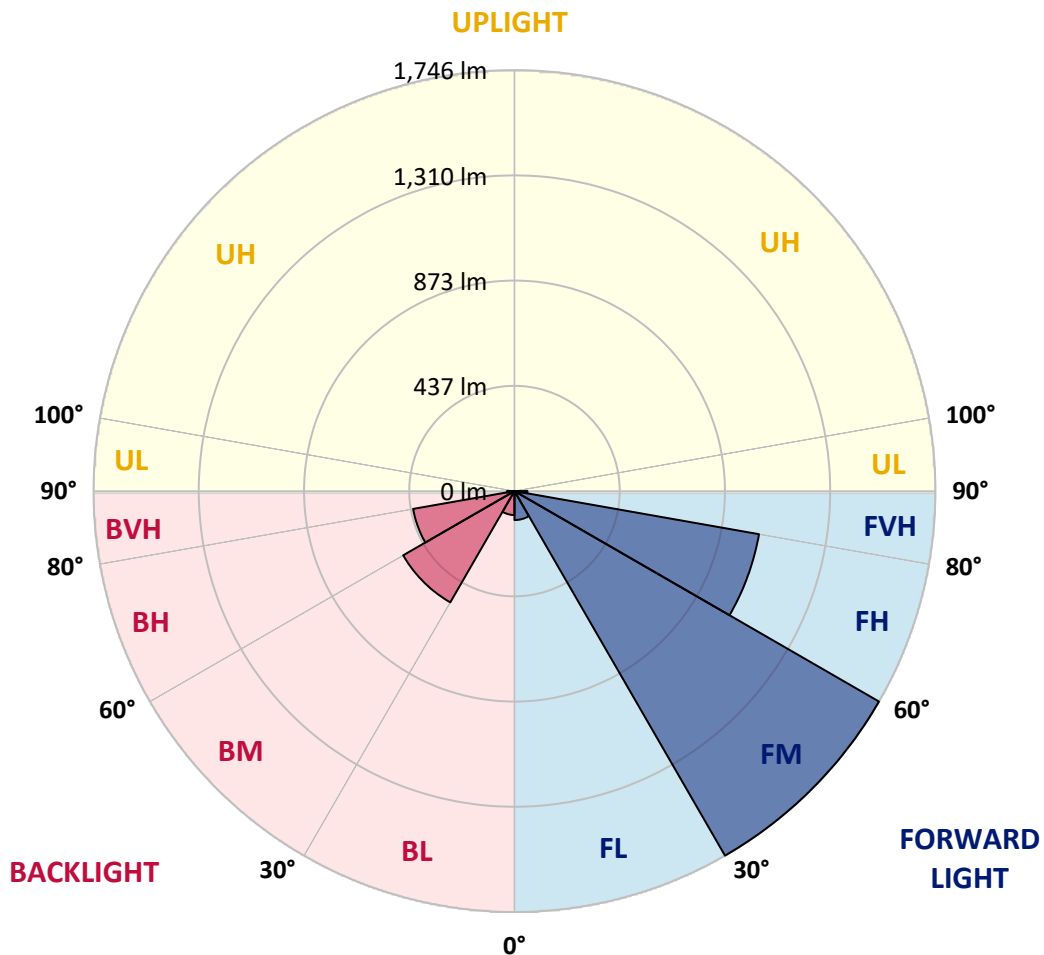
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	120.1	3.0			
FM (30°-60°)	1746.1	43.2			
FH (60°-80°)	1030.0	25.5			G1/1800
FVH (80°-90°)	53.6	1.3			G1/100
BL (0°-30°)	99.3	2.5	B0/110		
BM (30°-60°)	533.0	13.2	B1/1000		
BH (60°-80°)	426.9	10.6	B1/500		G1/500
BVH (80°-90°)	30.9	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°	61°	65°	75°	85°
0°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	2.2	2.2	2.6	3.0	3.0	2.6	2.2	1.7	1.3	0.9	0.9
5°	20.0	17.8	13.9	9.6	5.7	4.4	3.5	2.6	2.2	1.3	0.9
7.5°	97.9	97.4	97.0	97.4	95.3	37.4	7.0	4.4	3.5	1.7	1.3
10°	98.3	97.9	97.4	98.3	98.3	97.0	92.2	13.5	7.0	4.4	4.4
12.5°	174.9	168.8	116.6	102.7	99.2	99.2	99.2	88.7	84.4	62.2	75.3
15°	183.6	182.3	181.8	182.7	161.8	107.0	149.6	140.9	142.7	121.8	144.4
17.5°	193.1	191.0	189.2	189.7	182.3	210.1	196.6	201.0	202.7	154.0	168.8
20°	299.3	299.3	276.7	209.7	230.1	263.6	217.5	238.8	264.5	230.1	236.2
22.5°	339.7	336.7	333.7	316.3	289.3	287.5	316.3	277.1	294.1	338.0	312.3
25°	462.0	462.8	388.0	365.0	404.1	352.4	377.6	375.4	355.4	409.8	395.9
27.5°	584.7	586.4	578.1	514.6	462.0	453.3	429.8	463.3	458.1	454.6	487.2
30°	699.1	698.6	661.2	634.7	606.4	555.9	529.8	536.8	557.7	538.5	607.7
32.5°	972.7	965.3	925.3	756.9	713.4	666.0	658.6	639.0	680.8	667.3	731.2
35°	1154.9	1153.2	1080.6	985.7	848.3	795.6	796.5	760.0	794.3	811.7	821.7
37.5°	1562.1	1556.0	1445.5	1167.6	1059.2	950.9	930.9	913.5	877.8	928.3	927.9
40°	1781.4	1764.0	1666.5	1483.4	1243.7	1113.2	1071.4	1034.0	1008.3	1037.9	1034.0
42.5°	1951.9	1938.4	1869.7	1680.0	1484.2	1382.9	1227.2	1191.5	1139.7	1175.0	1156.7
45°	2074.1	2067.2	2005.8	1864.9	1714.8	1640.4	1402.9	1347.2	1302.4	1297.6	1286.8
47.5°	2097.6	2082.8	2064.5	1985.4	1921.4	1899.2	1620.4	1524.3	1450.3	1436.4	1418.1
50°	1986.7	1982.3	2006.3	1991.9	2069.8	2121.5	1871.4	1738.3	1634.8	1585.6	1550.4
52.5°	1729.6	1738.7	1830.5	1894.5	2088.5	2276.4	2107.2	1978.4	1837.0	1728.7	1681.3
55°	1374.2	1407.3	1543.4	1676.5	1971.5	2343.4	2330.8	2229.4	2047.1	1888.8	1818.8
57.5°	1055.3	1051.8	1227.2	1348.1	1733.9	2298.6	2476.1	2447.4	2268.1	2055.0	1950.1
60°	683.8	680.8	887.9	1042.7	1336.3	2068.9	2551.3	2626.6	2475.6	2198.5	2068.5
62.5°	446.3	465.0	543.8	763.9	954.4	1600.0	2526.1	2737.9	2673.1	2331.6	2182.0
65°	287.1	294.1	328.4	475.9	661.6	1043.6	2321.6	2721.4	2784.1	2420.4	2233.8
67.5°	214.0	215.8	232.3	295.8	450.2	545.5	1822.2	2491.7	2708.8	2426.5	2216.8
70°	187.9	191.4	207.5	223.2	335.0	343.2	1065.3	2003.2	2406.9	2339.0	2131.1
72.5°	160.5	164.0	185.3	207.9	256.2	257.5	398.5	1331.1	1884.5	2161.6	1993.6
75°	130.9	133.1	151.8	182.3	213.6	206.6	230.6	601.6	1206.3	1796.6	1778.3
77.5°	105.7	107.4	120.9	145.3	189.2	158.3	171.8	258.0	599.4	1297.2	1440.7
80°	76.6	77.4	90.5	111.4	142.2	141.4	128.3	163.6	247.5	757.8	954.0
82.5°	48.7	48.7	62.2	73.1	94.4	139.6	90.0	110.1	138.3	377.2	458.9
85°	27.4	28.3	39.2	42.6	55.2	84.8	64.8	60.9	74.8	136.6	113.1
87.5°	5.2	6.5	11.3	12.2	14.4	20.0	23.5	21.3	22.2	31.8	18.7
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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	0.9	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.3	1.3
5°	0.9	1.3	1.7	1.7	2.2	3.0	3.5	3.5	3.9	4.4	3.9
7.5°	0.9	1.3	1.7	2.6	3.5	7.0	25.2	89.2	95.7	97.0	98.7
10°	3.9	3.9	4.4	4.8	19.6	93.5	100.5	101.4	102.2	102.7	103.1
12.5°	76.6	75.7	75.3	57.9	89.2	103.1	104.4	105.3	106.6	127.0	137.5
15°	146.2	146.6	139.2	133.5	155.3	113.1	120.5	186.2	192.7	194.9	196.2
17.5°	167.5	174.9	155.3	206.2	204.5	172.3	189.7	199.7	200.5	201.8	202.3
20°	237.9	236.2	226.2	258.4	221.4	283.2	234.9	202.3	254.5	280.1	280.6
22.5°	308.9	309.3	294.9	298.4	318.4	291.5	235.3	267.1	273.6	273.2	271.9
25°	398.0	394.6	387.6	331.9	375.8	317.1	313.2	258.8	259.7	280.6	294.1
27.5°	486.8	478.1	450.7	430.2	390.2	352.8	295.8	280.1	301.9	300.6	301.0
30°	609.4	596.0	520.3	517.7	414.1	349.3	301.0	278.8	271.4	273.2	272.3
32.5°	732.1	707.8	639.5	617.3	441.5	325.4	276.2	257.5	278.8	281.9	280.1
35°	807.8	787.8	764.3	676.0	444.6	299.7	250.1	254.5	253.2	251.9	252.7
37.5°	896.1	863.5	843.0	696.0	419.3	267.5	238.4	234.9	255.8	256.2	254.5
40°	994.9	957.9	912.2	686.9	361.9	242.3	221.4	232.7	234.0	228.8	227.5
42.5°	1106.2	1052.3	984.4	674.7	300.2	227.5	214.9	216.2	217.1	211.4	209.2
45°	1218.5	1155.4	1046.2	640.8	255.3	212.7	204.9	204.5	200.1	194.9	193.6
47.5°	1344.2	1270.2	1097.1	581.6	223.6	201.4	198.4	190.1	191.4	186.6	186.2
50°	1473.8	1394.2	1126.2	510.7	202.7	191.8	186.6	184.0	187.5	181.8	181.0
52.5°	1600.8	1534.3	1172.3	447.2	184.9	183.6	181.4	182.3	183.6	177.5	177.0
55°	1738.7	1690.9	1214.5	386.7	169.2	172.3	179.7	179.2	178.8	173.1	173.1
57.5°	1865.3	1841.8	1257.6	340.2	157.0	162.3	175.7	175.7	173.6	168.8	168.3
60°	2012.3	1994.9	1298.5	298.4	146.6	153.1	171.0	171.4	167.5	164.0	163.1
62.5°	2145.9	2132.8	1331.1	254.5	135.3	145.3	164.0	167.0	161.4	158.8	158.8
65°	2239.9	2230.7	1349.0	200.1	124.4	137.5	156.6	161.0	153.6	153.1	153.1
67.5°	2248.1	2242.5	1312.0	167.0	116.6	130.1	147.5	151.8	145.3	146.6	144.0
70°	2171.1	2129.8	1207.1	139.2	108.8	120.5	136.6	141.8	135.3	135.7	131.4
72.5°	2008.4	1889.2	1021.8	118.3	100.1	110.1	124.8	129.6	123.5	122.2	117.5
75°	1734.8	1550.8	711.2	102.7	90.9	98.7	110.5	115.3	111.4	104.8	103.5
77.5°	1343.7	1136.7	435.9	88.7	82.7	87.0	95.7	98.3	94.4	86.6	85.3
80°	847.0	681.7	210.1	77.0	71.8	74.0	79.6	81.8	78.7	70.9	66.6
82.5°	388.0	294.5	110.9	62.2	58.3	58.3	63.9	62.2	59.6	52.2	42.2
85°	90.5	93.1	51.3	38.3	37.0	33.1	38.3	37.8	33.9	26.1	21.8
87.5°	14.8	16.5	13.1	11.7	9.6	7.4	8.3	7.0	6.1	3.0	1.3
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)