

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: P416542

Luminaire Tested: **LXF.LXT-PA1-70-830-U-SL3**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2002-662-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-830-U-SL3
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6686 lumens
Efficiency: N/A
Efficacy: 90.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B1 - U0 - G2

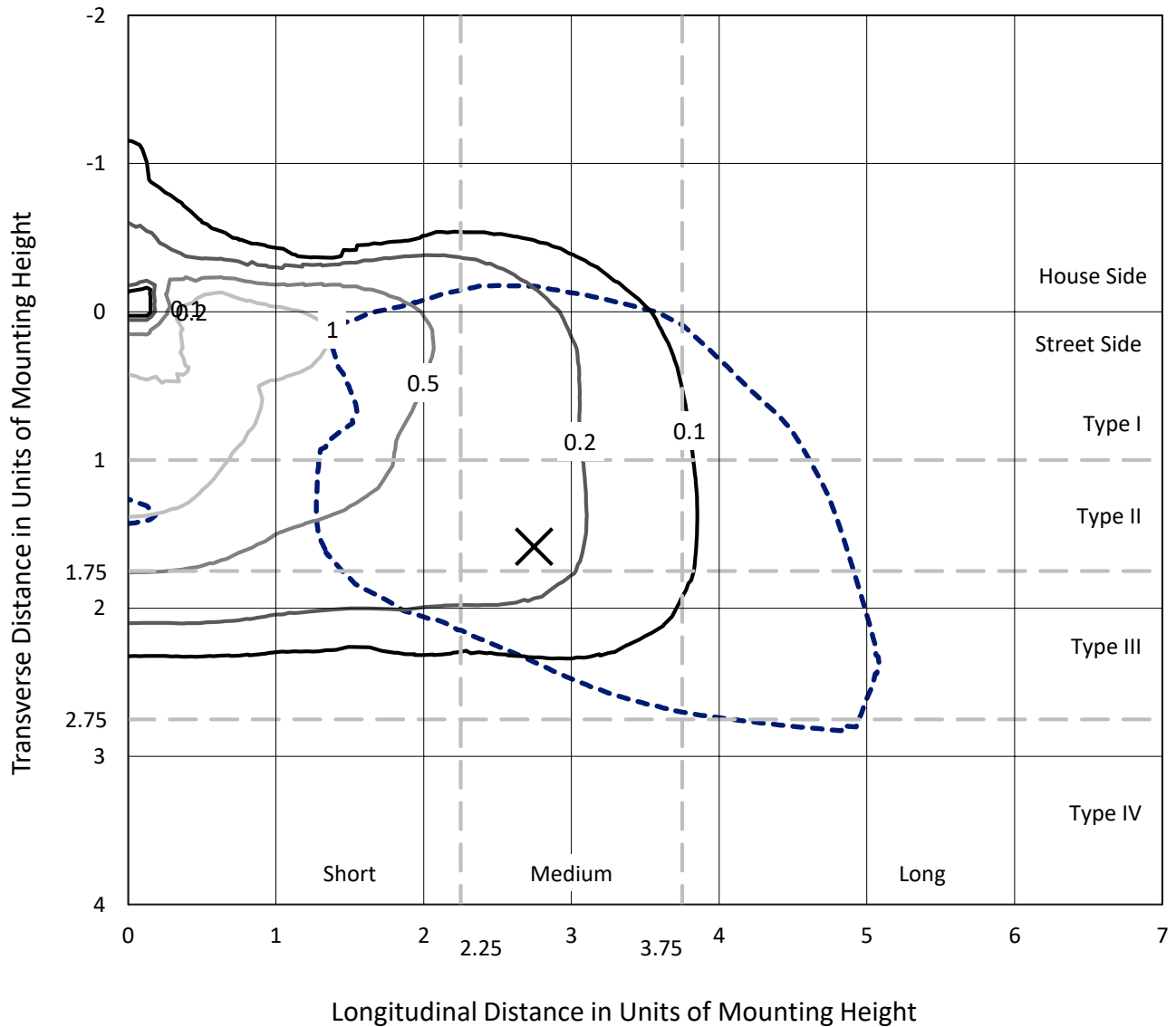
Input Watts (W): 74
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

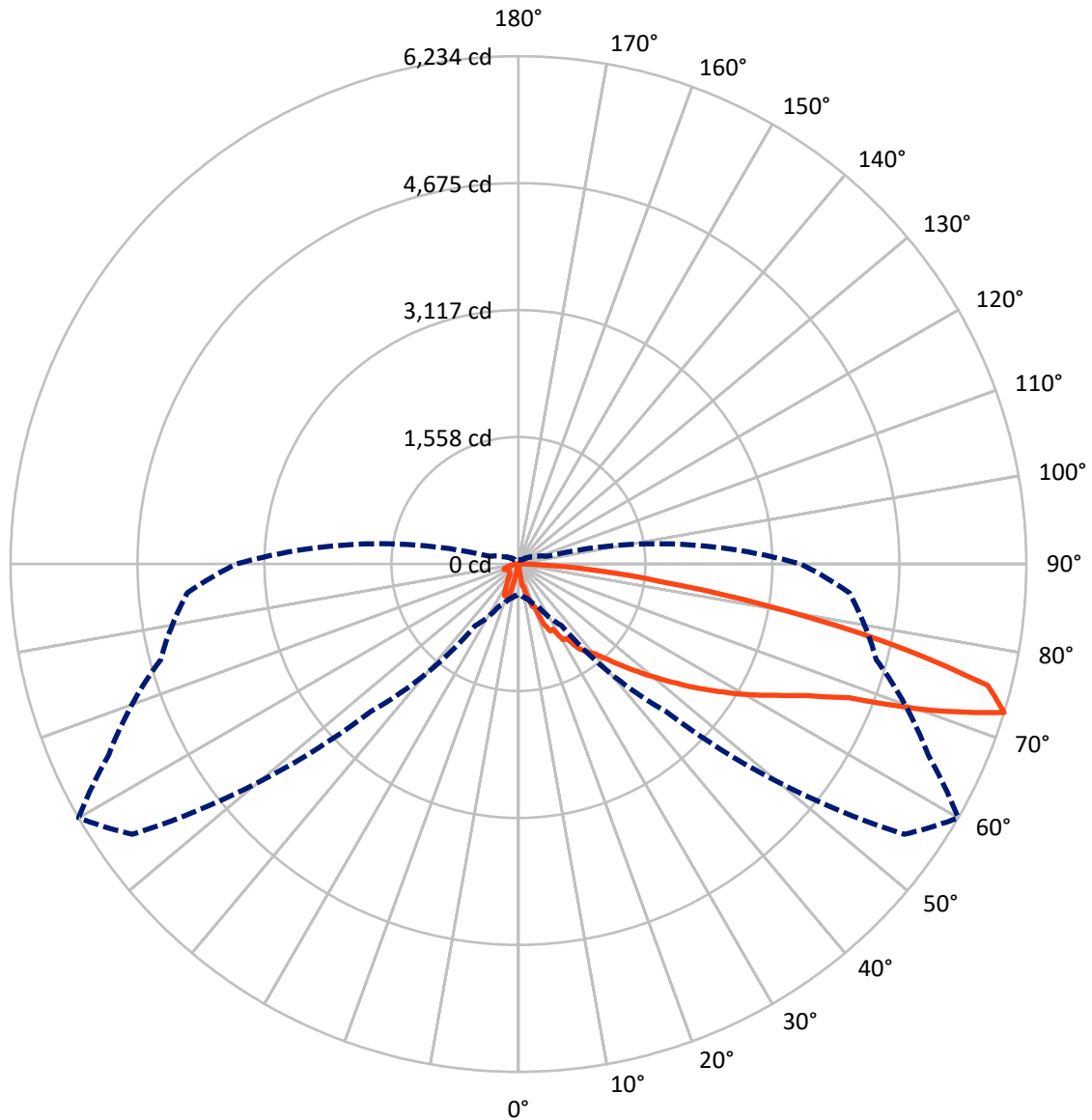
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical



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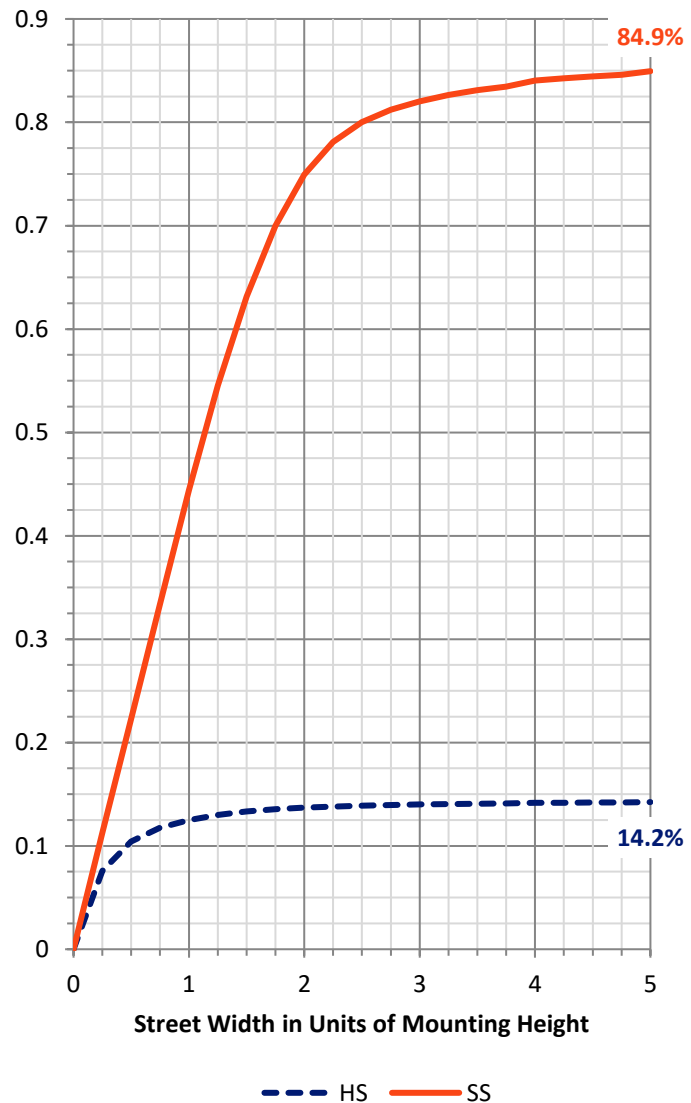
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	962.9	0.0	962.9
	% Fixture	14.4	0.0	14.4
Street Side	Lumens	5723.1	0.0	5723.1
	% Fixture	85.6	0.0	85.6
Total	Lumens	6686.0	0.0	6686.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.0	0.1
10°-20°	97.5	1.5
20°-30°	293.5	4.4
30°-40°	580.6	8.7
40°-50°	961.6	14.4
50°-60°	1436.6	21.5
60°-70°	1708.9	25.6
70°-80°	1368.1	20.5
80°-90°	232.2	3.5
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°	6686.0	100.0
0°-180°	6686.0	100.0



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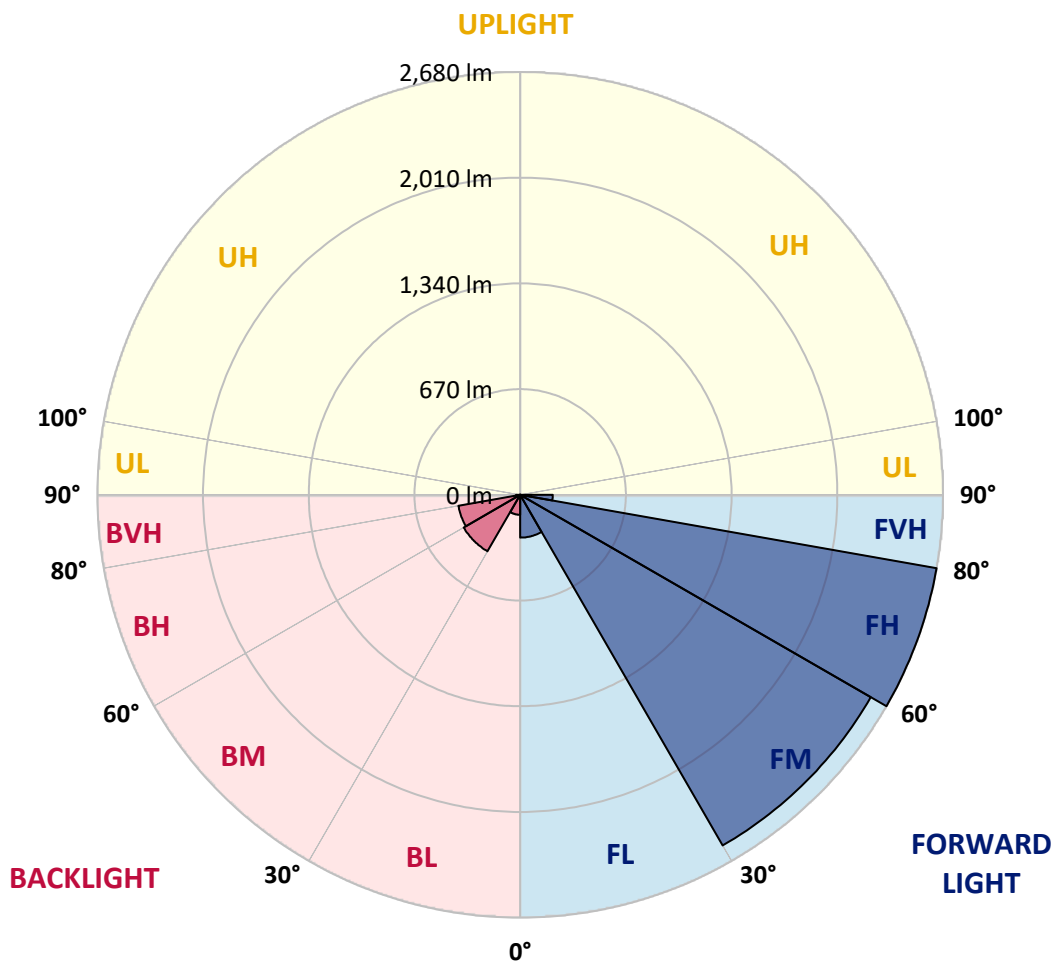
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	271.4	4.1			
FM	(30°-60°)	2565.6	38.4			
FH	(60°-80°)	2679.5	40.1			G2/5000
FVH	(80°-90°)	206.6	3.1			G2/225
BL	(0°-30°)	126.7	1.9	B1/500		
BM	(30°-60°)	413.1	6.2	B1/1000		
BH	(60°-80°)	397.5	5.9	B1/500		G1/500
BVH	(80°-90°)	25.6	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	3.6	3.6	4.4	5.1	5.1	4.4	3.6	3.6	3.6	2.9	3.6
5°	249.8	126.0	84.5	40.1	29.9	14.6	5.8	4.4	4.4	3.6	3.6
7.5°	287.0	287.0	287.7	290.6	292.8	294.3	36.4	18.9	7.3	3.6	3.6
10°	276.8	274.6	276.1	279.0	281.9	286.3	291.4	276.8	32.8	5.8	4.4
12.5°	511.3	509.9	492.4	300.1	278.2	278.2	285.5	286.3	225.1	21.9	21.1
15°	493.1	492.4	494.6	499.7	507.7	287.7	292.1	425.4	554.3	390.4	453.8
17.5°	507.0	501.1	488.0	485.1	492.4	462.5	544.1	550.7	563.0	448.7	459.6
20°	695.6	693.4	693.4	584.2	481.5	673.0	638.8	551.4	566.0	649.0	812.9
22.5°	693.4	689.8	684.7	684.0	784.5	654.8	665.0	797.6	829.6	951.3	918.5
25°	942.5	933.1	790.3	689.1	779.4	733.5	888.6	911.9	843.5	987.0	939.6
27.5°	1023.4	1005.2	960.0	879.9	785.2	891.5	887.2	906.1	930.1	1349.0	1291.4
30°	1389.8	1303.8	1062.0	1021.9	938.9	902.5	1011.0	1077.3	1174.9	1321.3	1345.3
32.5°	1555.1	1523.8	1405.8	1257.9	1096.9	974.6	1105.7	1088.9	1183.6	1606.1	1724.8
35°	1912.0	1873.4	1550.0	1416.7	1275.4	1194.5	1137.0	1271.8	1388.3	1670.2	1757.6
37.5°	1981.9	1973.2	1898.2	1659.3	1469.9	1313.3	1330.8	1367.2	1442.9	1759.8	1850.1
40°	2036.6	2037.3	2059.1	1853.0	1649.1	1504.1	1451.7	1452.4	1517.2	1906.9	1968.8
42.5°	2180.8	2186.6	2245.6	2025.6	1866.1	1727.0	1635.9	1595.9	1645.4	2075.9	2114.5
45°	2440.8	2427.7	2478.0	2203.4	2029.3	1909.8	1837.0	1775.8	1802.0	2255.8	2300.2
47.5°	2767.9	2740.2	2723.4	2424.8	2207.0	2104.3	2036.6	1972.5	1980.5	2427.7	2512.9
50°	3020.6	3006.8	2920.1	2592.3	2360.0	2300.2	2271.8	2192.4	2158.2	2619.3	2756.2
52.5°	3128.4	3115.3	3008.2	2719.1	2480.9	2487.4	2537.0	2433.5	2337.4	2826.9	2987.8
55°	3109.5	3098.5	3027.9	2781.7	2568.3	2668.1	2797.7	2694.3	2569.7	3022.8	3223.8
57.5°	2969.6	2974.7	2974.0	2786.1	2635.3	2837.8	3052.7	2963.8	2815.9	3217.3	3415.4
60°	2660.8	2687.7	2788.2	2754.7	2720.5	2998.0	3300.3	3258.8	3102.2	3430.7	3592.4
62.5°	2131.2	2184.4	2404.4	2583.6	2789.0	3222.4	3542.1	3547.2	3398.6	3596.0	3729.3
65°	1437.8	1433.5	1761.2	2205.5	2708.1	3574.9	3903.4	3893.2	3673.2	3784.7	3931.1
67.5°	799.0	816.5	1031.4	1459.7	2397.1	3793.4	4596.8	4378.3	4052.0	4072.4	4214.4
70°	494.6	515.7	587.8	815.8	1534.7	3538.5	5487.6	5385.7	4752.0	4454.1	4328.8
72.5°	375.8	387.5	445.8	578.3	923.6	2559.5	5783.4	6233.5	5550.3	4548.0	4079.7
75°	224.3	238.2	317.6	499.7	769.9	1324.9	5014.2	5948.0	5803.8	4488.3	3560.3
77.5°	139.8	143.5	171.2	348.9	709.4	834.0	3435.1	4607.0	4730.1	3801.4	2515.8
80°	107.1	107.8	118.0	185.7	573.2	789.6	1989.2	3076.7	3015.5	2030.0	988.4
82.5°	67.7	72.1	91.8	113.6	272.4	769.9	1175.6	1751.8	1542.0	549.2	275.3
85°	34.2	38.6	64.8	77.9	131.8	834.0	834.0	898.1	631.5	184.3	104.2
87.5°	5.8	5.8	8.7	20.4	26.2	141.3	233.1	203.2	134.0	24.8	20.4
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°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
2.5°	3.6	3.6	3.6	2.9	2.2	1.5	0.7	0.7	0.7	1.5	1.5
5°	3.6	3.6	3.6	2.9	2.2	1.5	0.7	0.7	1.5	2.2	2.2
7.5°	3.6	3.6	3.6	2.9	2.2	2.2	1.5	2.9	6.6	85.2	57.5
10°	4.4	4.4	4.4	3.6	2.9	8.0	249.1	262.9	263.7	262.2	259.3
12.5°	23.3	25.5	18.9	6.6	27.0	249.8	239.6	228.0	223.6	218.5	218.5
15°	460.3	454.5	429.0	316.1	193.7	222.9	200.3	185.0	287.0	283.3	286.3
17.5°	461.8	451.6	415.2	452.3	419.5	200.3	227.3	246.9	233.1	228.0	230.2
20°	876.2	828.9	421.0	421.7	359.8	355.5	193.0	182.1	184.3	188.7	190.1
22.5°	892.3	837.6	646.1	546.3	308.8	284.8	197.4	158.1	233.8	260.0	262.9
25°	899.6	831.1	610.4	483.6	348.9	213.4	190.8	173.4	213.4	239.6	241.1
27.5°	1271.8	1152.3	834.0	410.8	269.5	187.2	178.5	163.2	191.6	237.5	238.2
30°	1260.8	1120.3	772.8	397.7	208.3	172.6	154.4	170.4	180.6	193.0	193.0
32.5°	1639.6	1437.8	857.3	320.5	174.8	143.5	145.7	155.1	155.9	184.3	186.5
35°	1640.3	1406.5	738.6	292.8	150.0	131.1	133.3	143.5	158.8	177.0	179.9
37.5°	1665.8	1392.7	636.6	228.0	150.0	131.1	126.7	136.9	147.9	173.4	176.3
40°	1719.7	1398.5	539.7	189.4	144.9	128.9	125.3	133.3	146.4	161.0	162.4
42.5°	1811.5	1431.3	448.0	171.2	141.3	128.9	120.2	126.0	133.3	163.2	166.1
45°	1957.2	1501.2	377.3	163.9	139.8	123.8	114.4	115.8	120.9	193.0	201.0
47.5°	2127.6	1598.1	316.1	160.2	137.7	118.7	105.6	107.1	118.7	219.2	230.2
50°	2324.3	1741.6	279.7	159.5	135.5	111.4	99.1	107.1	131.1	218.5	223.6
52.5°	2555.2	1887.2	260.0	162.4	134.0	104.9	102.7	120.2	124.6	175.5	175.5
55°	2762.8	2048.9	261.5	164.6	129.7	104.9	105.6	102.0	98.3	120.9	121.6
57.5°	2966.7	2209.9	285.5	160.2	123.1	105.6	91.0	83.8	85.2	102.7	104.9
60°	3143.7	2365.1	357.6	150.8	117.3	95.4	84.5	78.7	80.1	103.4	105.6
62.5°	3334.5	2554.4	495.3	154.4	116.5	90.3	78.7	72.1	75.0	85.9	87.4
65°	3592.4	2818.8	619.1	182.1	120.9	87.4	72.1	68.5	69.2	69.9	69.9
67.5°	3845.1	2982.0	597.3	214.9	135.5	85.9	68.5	64.1	63.4	63.4	63.4
70°	3820.4	2805.0	473.4	228.0	147.1	85.9	65.6	59.7	58.3	58.3	58.3
72.5°	3462.7	2399.3	363.5	211.2	135.5	82.3	61.2	54.6	52.4	52.4	52.4
75°	2946.3	1924.4	305.2	183.6	110.7	70.7	53.9	48.8	47.3	47.3	46.6
77.5°	1882.1	1137.7	259.3	149.3	85.2	57.5	46.6	42.2	42.2	42.2	40.1
80°	755.3	500.4	201.8	118.0	66.3	45.9	38.6	36.4	35.7	35.0	32.8
82.5°	287.0	246.9	131.1	85.9	51.0	35.0	31.3	29.1	29.1	28.4	24.8
85°	102.7	96.1	60.5	49.5	31.3	21.9	24.0	21.9	21.1	18.9	16.0
87.5°	21.9	24.0	16.8	10.9	10.9	6.6	8.0	8.7	8.7	8.0	4.4
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)