

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: P565284

Luminaire Tested: **IFLD-L-SA8A-AMB-U-T3R**

Issue Date: 09/02/2021



Test Information

Test Method: LM-79-08
Report Number: P565284
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/02/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8A-AMB-U-T3R
Description: STREETWORKS INFRASTRUCTURE FLOOD-- Middle Tier Light Square
Luminaire w/ T3R distribution lens
Light Source: (128) AMB CCT, -- CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

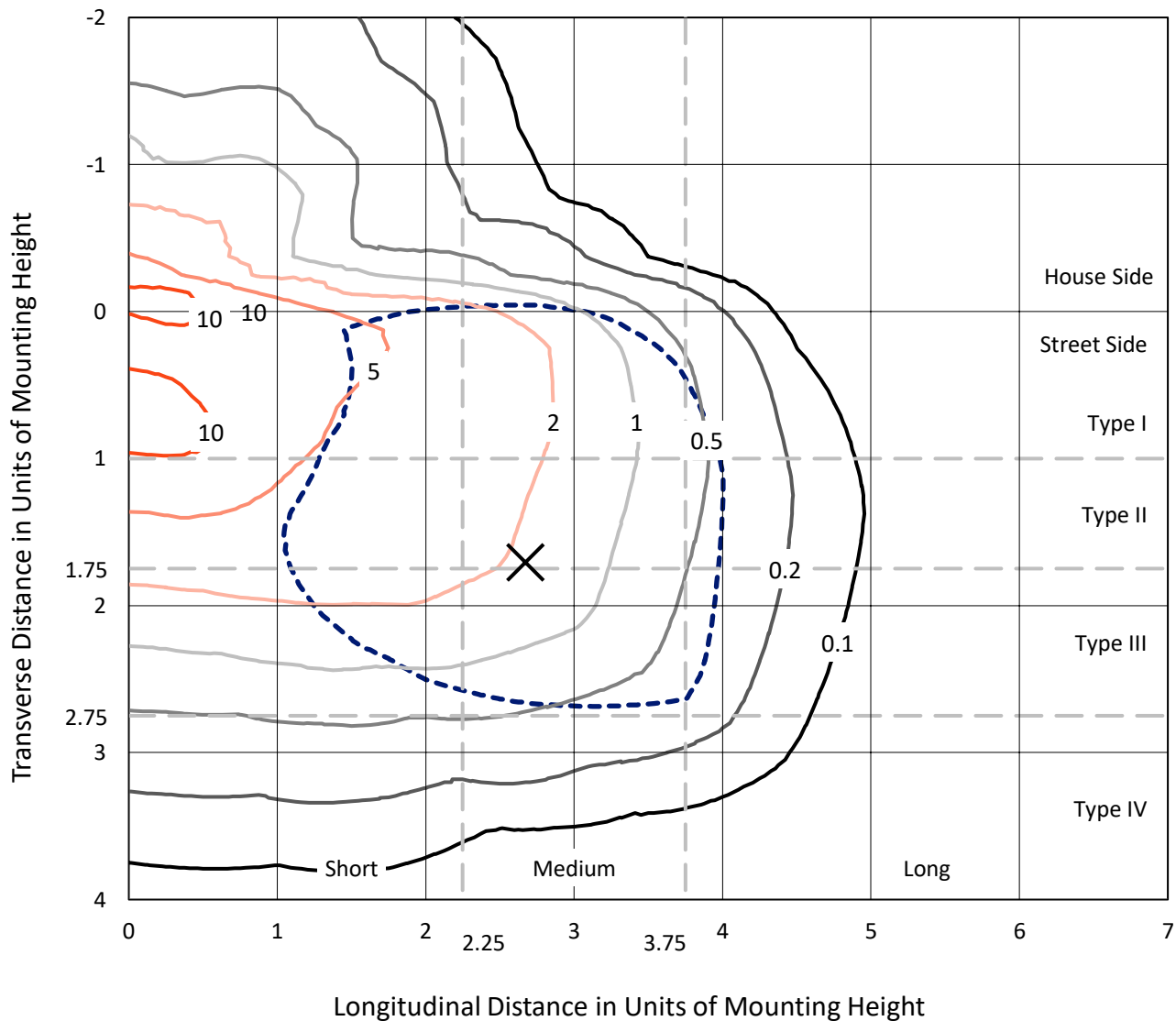
Lumens per Lamp: N/A
Luminaire Lumens: 7999.5 lumens
Efficiency: N/A
Efficacy: 50.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 160
Input Voltage (V): 120
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

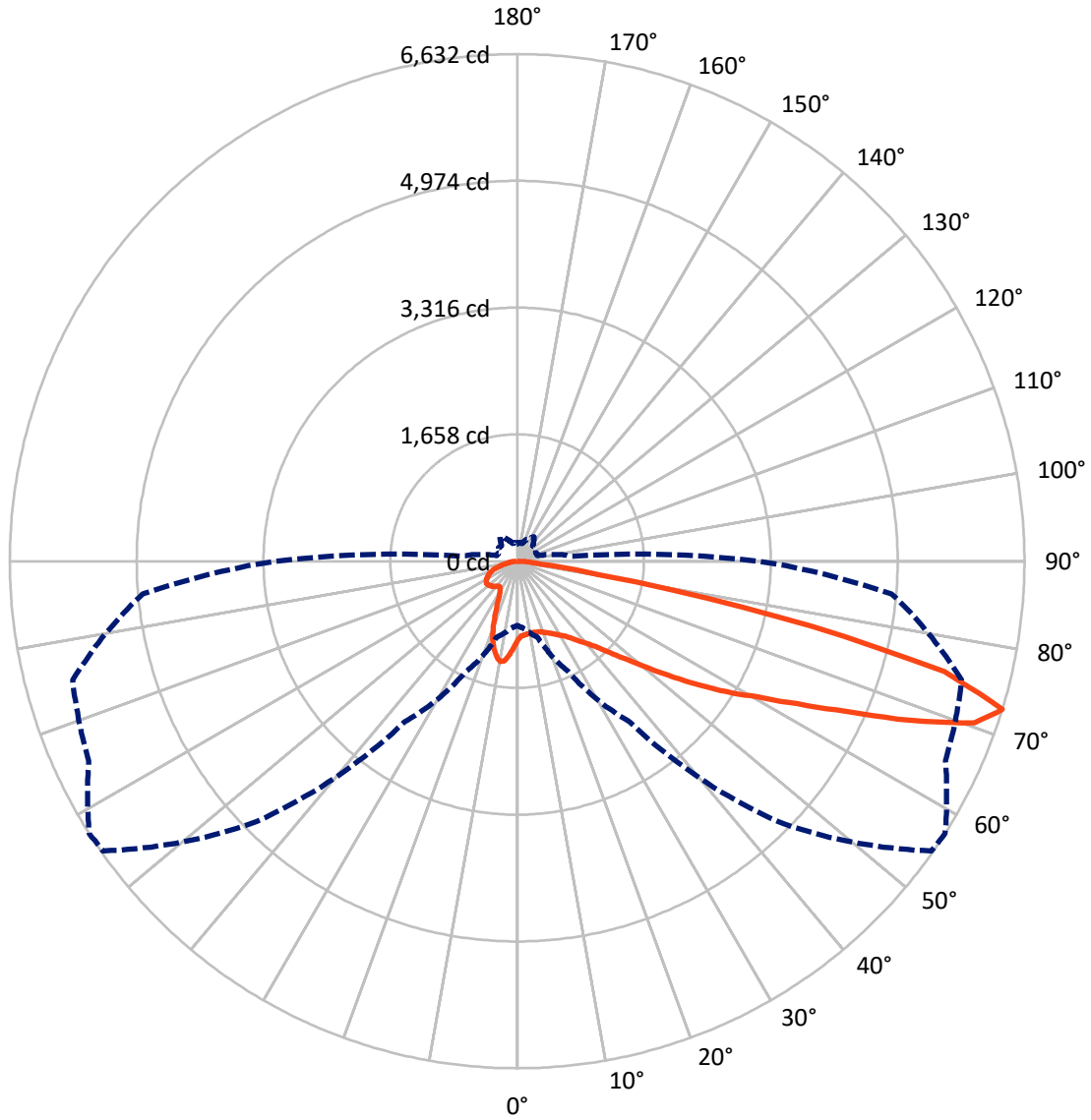
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 57.5-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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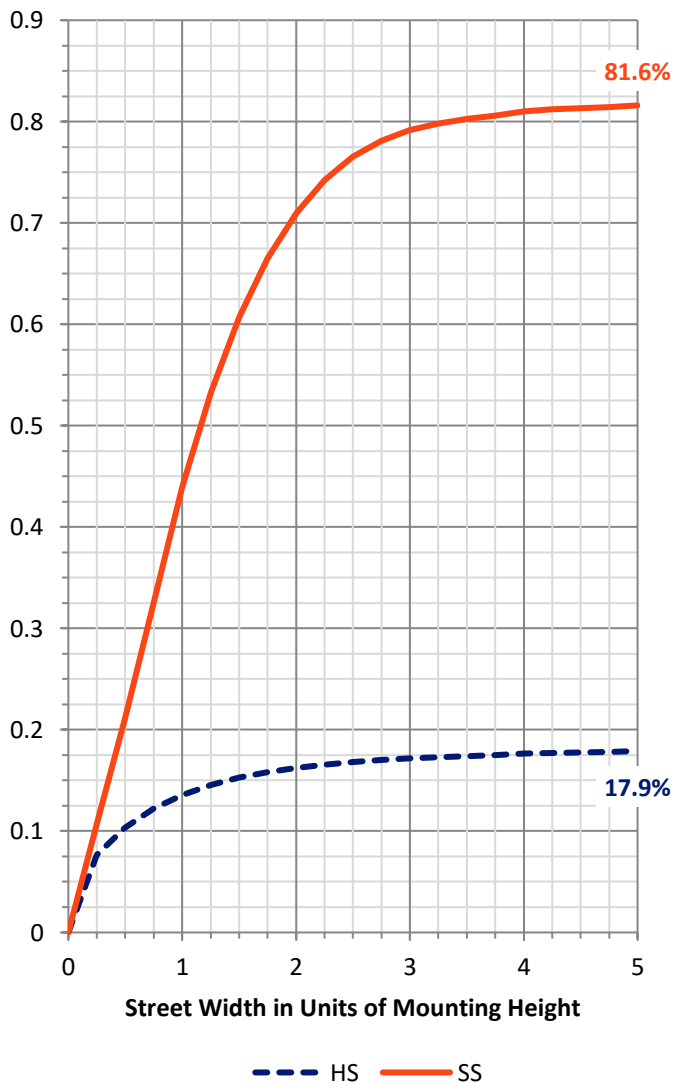
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1447.8	0.0	1447.8
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	6551.7	0.0	6551.7
	% Fixture	81.9	0.0	81.9
Total	Lumens	7999.5	0.0	7999.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.2	1.3
10°-20°	284.8	3.6
20°-30°	474.6	5.9
30°-40°	740.1	9.3
40°-50°	1109.3	13.9
50°-60°	1519.0	19.0
60°-70°	2104.1	26.3
70°-80°	1542.1	19.3
80°-90°	123.2	1.5
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°	7999.5	100.0
0°-180°	7999.5	100.0

Coefficient of Utilization



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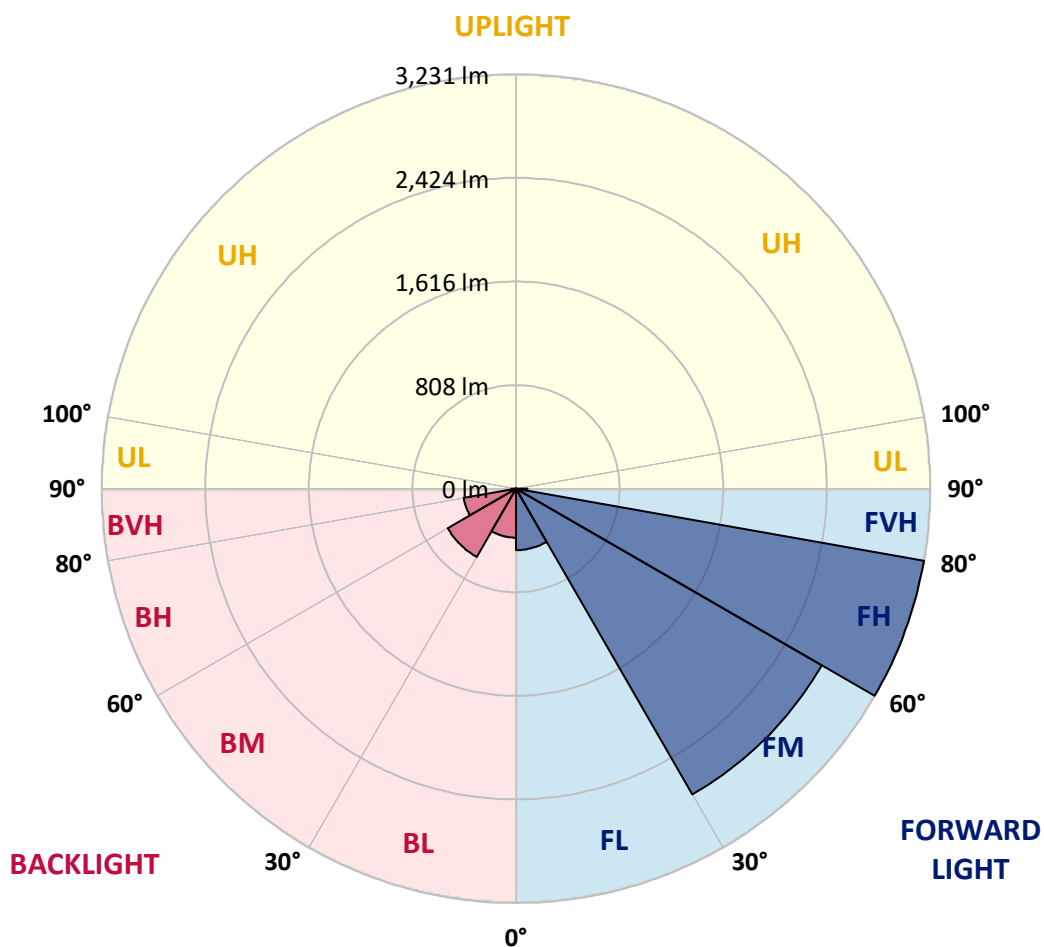
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	479.2	6.0			
FM (30°-60°)	2753.3	34.4			
FH (60°-80°)	3231.5	40.4			G2/5000
FVH (80°-90°)	87.7	1.1			G1/100
BL (0°-30°)	382.4	4.8	B1/500		
BM (30°-60°)	615.1	7.7	B1/1000		
BH (60°-80°)	414.8	5.2	B1/500		G1/500
BVH (80°-90°)	35.5	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°	57.5°	65°	75°	85°
0°	1028.4	1028.4	1028.4	1028.4	1028.4	1028.4	1028.4	1028.4	1028.4	1028.4	1028.4
2.5°	943.0	946.9	946.9	954.7	962.4	970.2	981.8	981.8	993.5	1012.9	1032.3
5°	884.8	892.6	896.4	912.0	923.6	943.0	966.3	970.2	985.7	1012.9	1055.6
7.5°	818.8	822.7	830.5	849.9	877.0	915.8	958.5	962.4	997.3	1040.0	1094.4
10°	776.1	780.0	780.0	795.5	830.5	884.8	946.9	958.5	1005.1	1067.2	1137.1
12.5°	799.4	799.4	791.7	787.8	807.2	857.6	935.3	954.7	1016.7	1098.2	1183.6
15°	857.6	849.9	838.2	815.0	815.0	849.9	939.1	962.4	1043.9	1133.2	1230.2
17.5°	954.7	946.9	923.6	880.9	846.0	861.5	946.9	970.2	1067.2	1168.1	1280.6
20°	1137.1	1121.5	1075.0	989.6	915.8	892.6	966.3	993.5	1090.5	1191.4	1307.8
22.5°	1331.1	1311.7	1257.4	1152.6	1032.3	950.8	985.7	1016.7	1109.9	1206.9	1327.2
25°	1544.5	1525.1	1466.9	1338.8	1175.9	1028.4	1024.5	1047.8	1137.1	1222.4	1350.5
27.5°	1804.5	1781.2	1715.3	1548.4	1331.1	1137.1	1067.2	1082.7	1168.1	1245.7	1385.4
30°	2033.5	2014.1	1944.2	1761.8	1501.8	1245.7	1117.6	1125.4	1203.0	1284.5	1432.0
32.5°	2250.8	2239.2	2153.8	1975.3	1699.8	1366.0	1179.7	1172.0	1249.6	1315.6	1466.9
35°	2456.5	2456.5	2371.1	2184.8	1905.4	1505.7	1257.4	1241.8	1288.4	1331.1	1498.0
37.5°	2615.6	2623.4	2572.9	2409.9	2111.1	1676.5	1366.0	1323.3	1323.3	1369.9	1571.7
40°	2650.5	2669.9	2720.4	2662.2	2351.7	1866.6	1474.7	1416.5	1393.2	1451.4	1684.2
42.5°	2627.2	2673.8	2836.8	2902.8	2638.9	2072.3	1610.5	1540.6	1501.8	1552.3	1843.3
45°	2669.9	2716.5	2910.5	3073.5	2906.7	2309.0	1781.2	1707.5	1633.8	1699.8	2041.3
47.5°	2689.3	2728.1	2902.8	3162.8	3100.7	2557.4	1994.7	1913.2	1820.1	1886.0	2266.3
50°	2697.1	2735.9	2918.3	3139.5	3174.4	2770.8	2243.1	2169.3	2064.5	2122.8	2557.4
52.5°	2681.6	2724.3	2910.5	3085.2	3112.3	2906.7	2545.8	2475.9	2371.1	2437.1	2875.6
55°	2177.1	2235.3	2801.9	3007.6	3058.0	2980.4	2887.3	2840.7	2767.0	2856.2	3252.0
57.5°	2025.7	2064.5	2382.8	2949.3	3092.9	3085.2	3224.9	3221.0	3182.2	3329.7	3659.5
60°	1955.9	1994.7	2266.3	2898.9	3221.0	3352.9	3589.7	3601.3	3620.7	3900.1	4152.4
62.5°	1827.8	1866.6	2177.1	2821.3	3407.3	3791.5	4090.3	4105.8	4152.4	4517.2	4687.9
65°	1618.3	1660.9	1994.7	2697.1	3612.9	4311.5	4757.8	4730.6	4777.2	5173.0	5161.4
67.5°	1443.6	1482.4	1761.8	2499.2	3655.6	4905.2	5533.9	5561.1	5409.7	5778.4	5572.7
70°	1179.7	1214.7	1447.5	2169.3	3380.1	5301.1	6360.5	6337.2	6022.9	6209.1	5658.1
72.5°	842.1	877.0	1028.4	1602.7	2565.2	4819.9	6608.9	6632.1	6178.1	6015.1	4913.0
75°	589.9	628.7	717.9	1040.0	1416.5	3380.1	5747.3	5766.7	5145.8	4653.0	3166.7
77.5°	341.5	360.9	442.4	632.6	644.2	1513.5	3508.2	3469.4	2961.0	2316.8	1175.9
80°	170.8	209.6	279.4	318.2	298.8	489.0	1086.6	1102.1	950.8	807.2	345.4
82.5°	97.0	104.8	197.9	178.5	143.6	194.0	294.9	298.8	357.0	337.6	163.0
85°	62.1	77.6	135.8	104.8	66.0	81.5	155.2	163.0	190.2	166.9	73.7
87.5°	19.4	27.2	66.0	50.4	23.3	27.2	62.1	62.1	73.7	73.7	19.4
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°	1028.4	1028.4	1028.4	1028.4	1028.4	1028.4	1028.4	1028.4	1028.4	1028.4	1028.4
2.5°	1051.7	1067.2	1086.6	1102.1	1129.3	1140.9	1148.7	1164.2	1164.2	1164.2	1156.5
5°	1082.7	1109.9	1156.5	1203.0	1226.3	1245.7	1249.6	1245.7	1230.2	1226.3	1222.4
7.5°	1129.3	1172.0	1253.5	1303.9	1315.6	1284.5	1234.1	1191.4	1160.3	1140.9	1148.7
10°	1187.5	1245.7	1346.6	1381.5	1315.6	1218.5	1133.2	1078.8	1043.9	1009.0	1016.7
12.5°	1245.7	1327.2	1435.9	1389.3	1245.7	1117.6	1016.7	954.7	908.1	884.8	892.6
15°	1311.7	1412.6	1490.2	1335.0	1144.8	997.3	888.7	791.7	741.2	721.8	729.6
17.5°	1377.7	1490.2	1509.6	1249.6	1032.3	853.8	710.2	659.7	648.1	648.1	648.1
20°	1424.2	1540.6	1463.0	1144.8	877.0	667.5	597.6	589.9	613.2	632.6	632.6
22.5°	1466.9	1571.7	1377.7	1020.6	690.8	547.2	535.5	566.6	593.7	617.0	620.9
25°	1498.0	1591.1	1288.4	873.2	551.1	481.2	504.5	539.4	570.5	593.7	597.6
27.5°	1544.5	1598.9	1191.4	683.0	454.0	450.2	473.4	504.5	531.7	554.9	558.8
30°	1598.9	1610.5	1098.2	543.3	419.1	423.0	438.5	461.8	489.0	508.4	512.3
32.5°	1633.8	1591.1	962.4	446.3	407.5	407.5	411.4	426.9	446.3	457.9	461.8
35°	1680.4	1575.6	799.4	403.6	407.5	407.5	403.6	403.6	384.2	392.0	392.0
37.5°	1746.3	1548.4	632.6	388.1	419.1	423.0	415.2	364.8	349.3	341.5	341.5
40°	1835.6	1529.0	504.5	384.2	438.5	450.2	399.7	353.1	326.0	302.7	302.7
42.5°	1940.4	1505.7	415.2	388.1	461.8	481.2	399.7	341.5	302.7	294.9	298.8
45°	2033.5	1466.9	364.8	388.1	485.1	504.5	415.2	326.0	302.7	298.8	310.5
47.5°	2115.0	1404.8	353.1	392.0	500.6	508.4	419.1	333.7	298.8	326.0	357.0
50°	2223.7	1307.8	341.5	395.8	512.3	516.1	426.9	333.7	298.8	360.9	403.6
52.5°	2351.7	1187.5	333.7	388.1	531.7	520.0	438.5	341.5	306.6	345.4	364.8
55°	2522.5	1055.6	326.0	380.3	531.7	500.6	446.3	364.8	302.7	310.5	322.1
57.5°	2724.3	981.8	314.3	364.8	520.0	461.8	457.9	372.5	287.2	310.5	314.3
60°	2995.9	985.7	306.6	353.1	500.6	434.6	457.9	372.5	279.4	291.1	294.9
62.5°	3341.3	1051.7	322.1	353.1	465.7	415.2	454.0	380.3	279.4	298.8	310.5
65°	3655.6	1125.4	349.3	349.3	430.8	384.2	450.2	372.5	271.7	287.2	287.2
67.5°	3849.7	1148.7	353.1	337.6	403.6	349.3	434.6	360.9	267.8	287.2	283.3
70°	3810.9	1059.4	329.9	306.6	357.0	322.1	411.4	341.5	256.1	283.3	263.9
72.5°	3166.7	733.5	279.4	263.9	298.8	287.2	388.1	318.2	240.6	244.5	221.2
75°	1936.5	407.5	217.3	213.4	229.0	240.6	353.1	291.1	213.4	194.0	182.4
77.5°	636.4	209.6	166.9	163.0	163.0	186.3	298.8	252.2	186.3	151.3	147.5
80°	217.3	139.7	124.2	120.3	112.5	128.1	221.2	201.8	155.2	116.4	112.5
82.5°	135.8	93.1	89.3	89.3	77.6	77.6	128.1	143.6	120.3	100.9	69.9
85°	73.7	58.2	62.1	58.2	50.4	46.6	69.9	97.0	73.7	46.6	42.7
87.5°	23.3	23.3	23.3	23.3	19.4	15.5	11.6	27.2	31.0	19.4	15.5
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)