

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: P476832

Luminaire Tested: **IFLD-S-SA3C-722-U-T2R**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P476832
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3C-722-U-T2R
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

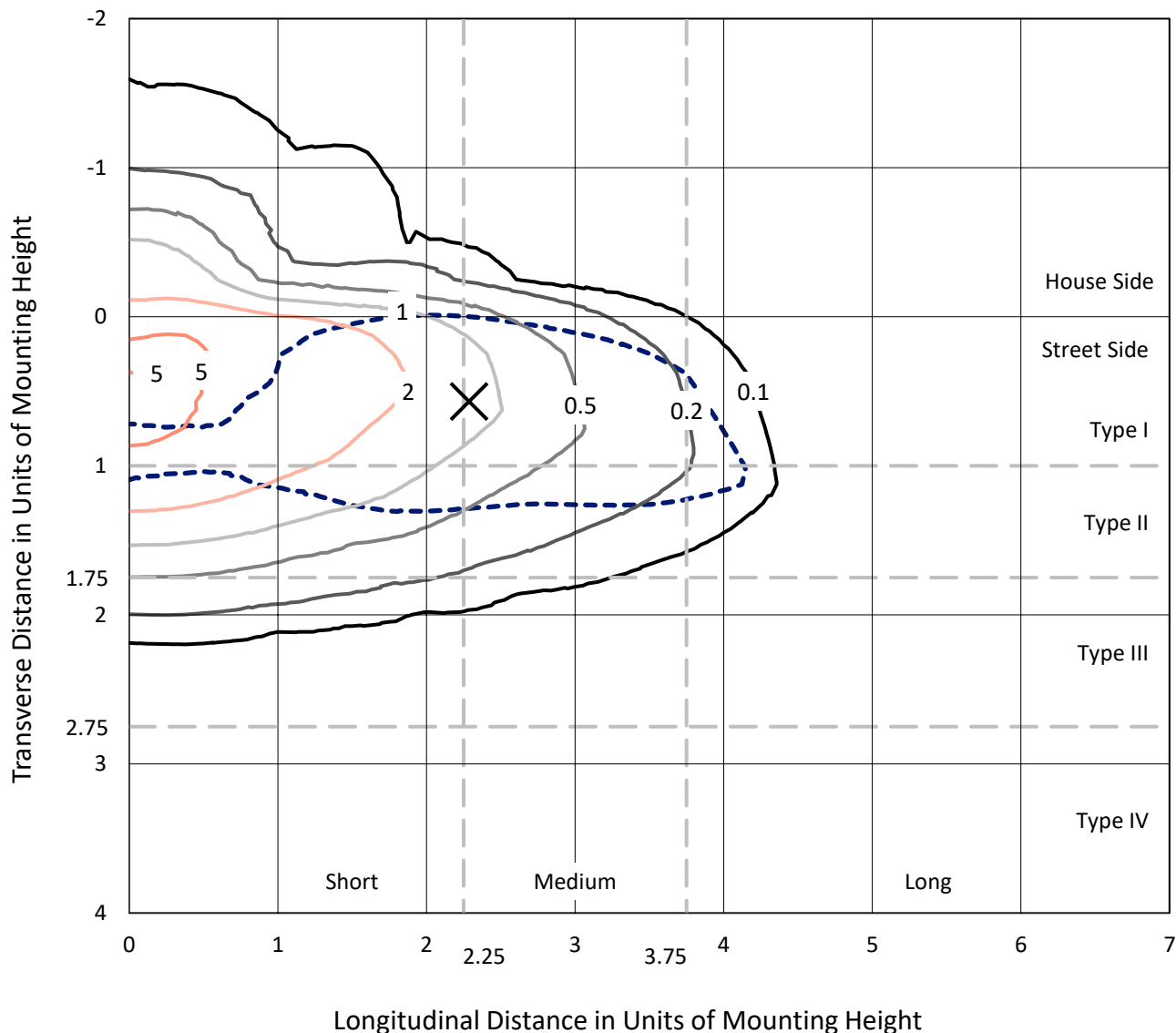
Lumens per Lamp: N/A
Luminaire Lumens: 15690.3 lumens
Efficiency: N/A
Efficacy: 97.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 160.8
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

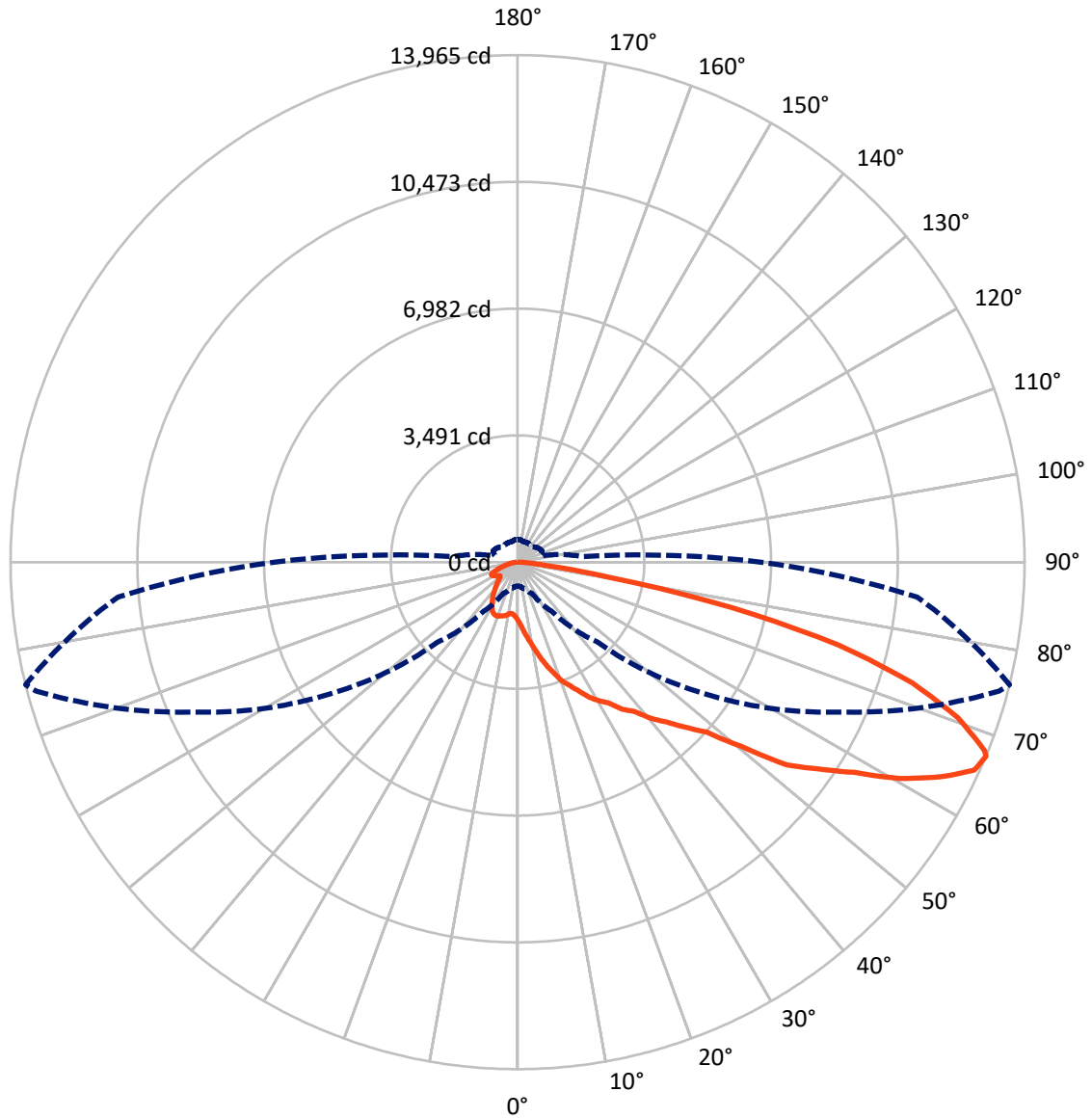
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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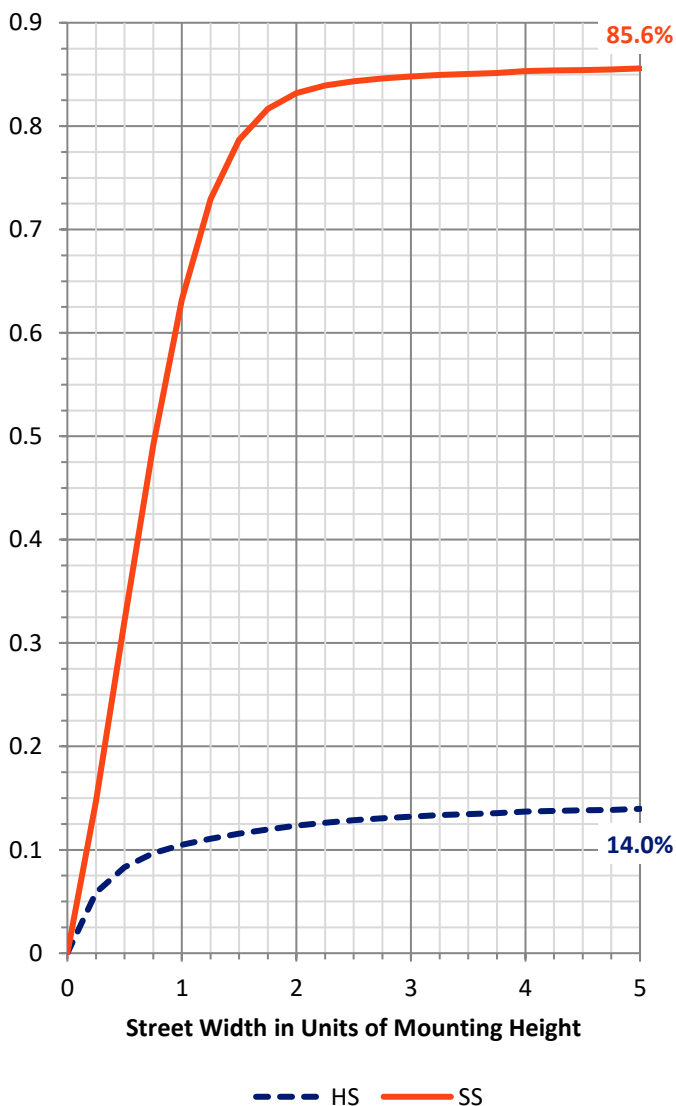
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2232.2	0.0	2232.2
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	13458.2	0.0	13458.2
	% Fixture	85.8	0.0	85.8
Total	Lumens	15690.3	0.0	15690.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.0	1.2
10°-20°	697.6	4.4
20°-30°	1296.9	8.3
30°-40°	2055.9	13.1
40°-50°	2843.4	18.1
50°-60°	3497.6	22.3
60°-70°	3254.7	20.7
70°-80°	1633.2	10.4
80°-90°	225.2	1.4
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°	15690.3	100.0
0°-180°	15690.3	100.0

Coefficient of Utilization

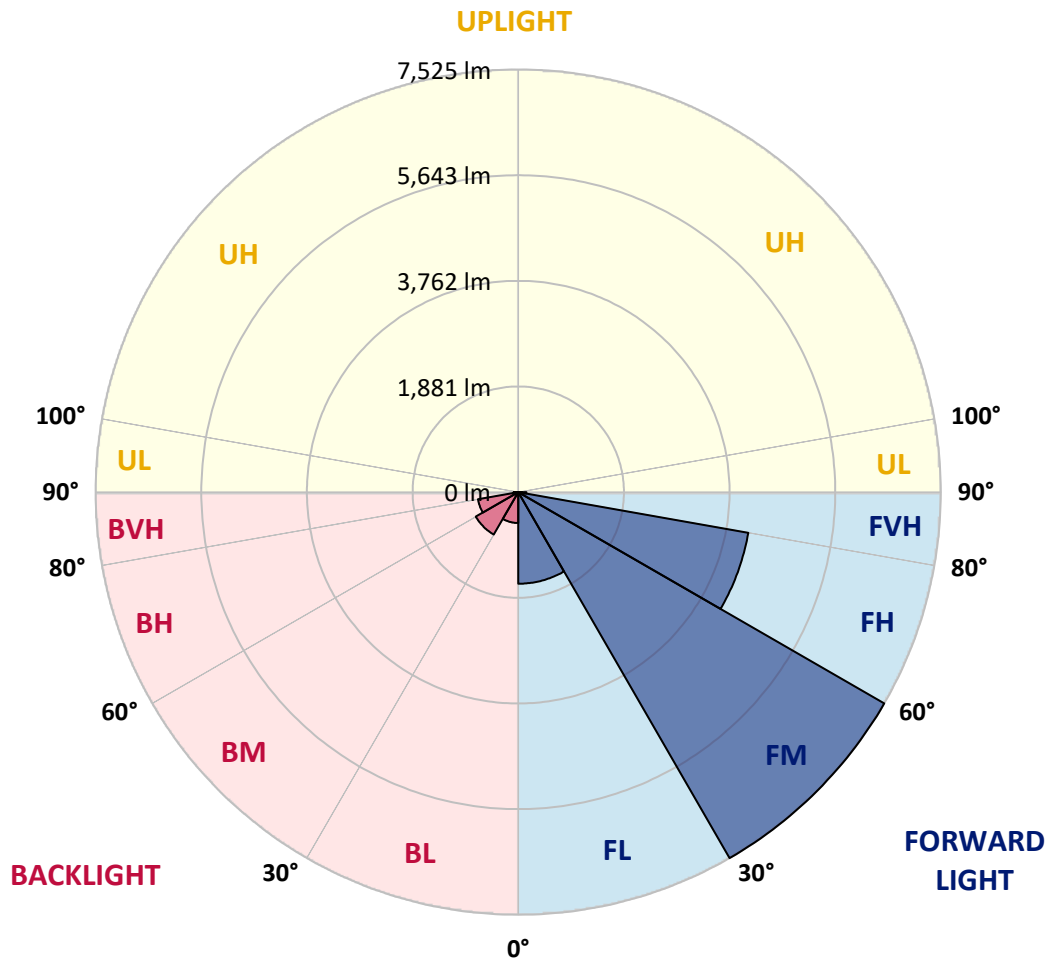


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1630.8	10.4			
FM (30°-60°)	7524.6	48.0			
FH (60°-80°)	4159.4	26.5			G2/5000
FVH (80°-90°)	143.5	0.9			G2/225
BL (0°-30°)	549.7	3.5	B2/1000		
BM (30°-60°)	872.3	5.6	B1/1000		
BH (60°-80°)	728.5	4.6	B2/1000		G2/1000
BVH (80°-90°)	81.7	0.5			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7
2.5°	2227.9	2201.1	2174.3	2117.0	2097.4	2043.7	1945.4	1836.3	1746.9	1734.4	1671.8
5°	2764.3	2725.0	2716.0	2683.9	2581.9	2478.2	2317.3	2142.1	1923.9	1940.0	1725.5
7.5°	3166.6	3143.4	3095.1	3064.7	3003.9	2866.2	2700.0	2467.5	2190.4	2136.7	1845.3
10°	3470.6	3438.4	3436.6	3409.8	3377.6	3236.4	3109.4	2796.5	2440.7	2367.4	1991.9
12.5°	3624.4	3619.0	3713.8	3713.8	3701.3	3642.3	3424.1	3138.0	2678.5	2653.5	2161.7
15°	3790.7	3746.0	3828.2	3890.8	3923.0	3953.4	3772.8	3470.6	2982.5	2934.2	2344.1
17.5°	3790.7	3787.1	3869.3	3973.0	4141.1	4180.5	4082.1	3776.4	3234.6	3198.8	2544.4
20°	3726.3	3778.1	3835.4	3974.8	4157.2	4316.3	4345.0	4089.3	3513.5	3484.9	2771.5
22.5°	4026.7	3976.6	4035.6	4089.3	4230.5	4471.9	4550.6	4364.6	3806.8	3697.7	2977.1
25°	4530.9	4496.9	4454.0	4375.4	4434.4	4539.9	4659.6	4568.5	4057.1	3935.5	3175.6
27.5°	5022.6	5024.4	4931.4	4759.8	4632.8	4654.3	4795.5	4747.3	4268.1	4214.4	3311.5
30°	5721.7	5678.8	5575.1	5342.7	5094.1	4890.3	4867.1	4913.6	4536.3	4432.6	3506.4
32.5°	6245.6	6254.6	6108.0	5773.6	5433.9	5267.6	5063.7	5083.4	4706.1	4629.3	3661.9
35°	6669.4	6658.7	6555.0	6277.8	5875.5	5675.3	5399.9	5287.3	5101.3	4979.7	3899.7
37.5°	7127.2	7039.5	6871.5	6558.6	6301.1	6023.9	5755.7	5501.8	5364.1	5217.5	4103.6
40°	7311.3	7311.3	7086.0	6943.0	6637.2	6428.0	6254.6	5784.3	5684.2	5655.6	4364.6
42.5°	7180.8	7261.3	7168.3	7005.6	6880.4	6615.8	6569.3	6077.6	6079.4	6022.1	4677.5
45°	7168.3	7057.4	6980.5	7021.7	6962.7	6948.3	7066.4	6483.5	6494.2	6487.0	5097.7
47.5°	6808.9	6758.8	6873.3	6941.2	6989.5	7211.2	7550.9	6968.0	7044.9	6991.3	5582.3
50°	6451.3	6442.3	6513.9	6760.6	6969.8	7334.6	8012.2	7715.4	7967.5	7964.0	6460.2
52.5°	5471.4	5566.2	5846.9	6369.0	6885.8	7502.6	8360.9	8670.2	9151.2	9281.8	7187.9
55°	4534.5	4484.4	4899.2	5657.4	6519.2	7568.8	8750.7	9244.2	9952.3	10047.0	7935.4
57.5°	3527.8	3620.8	3948.0	4675.7	5761.1	7241.6	9036.8	9811.0	10857.0	10930.3	8802.6
60°	2632.0	2644.5	3003.9	3590.4	4752.6	6503.1	9129.8	10392.1	11894.1	12103.3	9710.9
62.5°	1655.7	1730.8	2004.4	2581.9	3577.9	5469.6	8713.2	10744.4	12981.2	13036.6	10626.4
65°	892.2	940.5	1146.1	1509.1	2499.7	4137.5	7608.1	10533.4	13492.6	13821.6	11034.0
67°	659.8	668.7	763.5	963.8	1671.8	3114.8	6344.0	9769.9	13725.0	13964.6	11050.1
67.5°	618.7	631.2	706.3	865.4	1482.3	2868.0	6013.2	9498.1	13621.3	13878.8	10925.0
70°	529.3	532.8	550.7	595.4	831.4	1725.5	4094.6	7783.4	12625.4	12872.1	10047.0
72.5°	470.3	473.8	481.0	489.9	563.2	997.7	2490.7	5990.0	10973.2	11366.6	8668.5
75°	413.0	425.6	429.1	422.0	479.2	649.1	1324.9	4402.2	8951.0	9142.3	6740.9
77.5°	350.5	355.8	363.0	370.1	427.3	484.6	636.5	2971.7	6143.7	6027.5	3645.8
80°	295.0	296.8	302.2	307.5	370.1	370.1	361.2	1605.7	2683.9	2565.8	1232.0
82.5°	211.0	223.5	236.0	250.3	307.5	248.5	236.0	715.2	849.3	808.2	416.6
85°	82.3	100.1	155.6	171.7	194.9	134.1	157.3	309.3	354.0	350.5	155.6
87.5°	14.3	16.1	42.9	66.2	71.5	46.5	75.1	110.9	132.3	143.0	57.2
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°	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7	1605.7
2.5°	1620.0	1564.5	1498.4	1432.2	1389.3	1321.4	1316.0	1274.9	1269.5	1255.2	1262.4
5°	1632.5	1566.3	1432.2	1326.7	1278.5	1239.1	1248.1	1230.2	1224.8	1215.9	1201.6
7.5°	1730.8	1600.3	1400.0	1308.9	1273.1	1255.2	1255.2	1233.8	1217.7	1228.4	1239.1
10°	1795.2	1616.4	1425.1	1333.9	1305.3	1265.9	1280.2	1253.4	1262.4	1240.9	1240.9
12.5°	1898.9	1707.6	1476.9	1371.4	1324.9	1289.2	1303.5	1273.1	1265.9	1267.7	1262.4
15°	2038.4	1768.4	1500.2	1392.9	1360.7	1316.0	1305.3	1278.5	1251.6	1242.7	1253.4
17.5°	2168.9	1843.5	1516.3	1405.4	1353.6	1303.5	1291.0	1257.0	1248.1	1221.2	1199.8
20°	2324.5	1932.9	1537.7	1416.1	1326.7	1276.7	1244.5	1210.5	1180.1	1164.0	1171.2
22.5°	2428.2	1979.4	1548.4	1394.7	1287.4	1240.9	1173.0	1149.7	1106.8	1088.9	1074.6
25°	2598.0	2036.6	1521.6	1335.7	1217.7	1142.6	1081.8	1049.6	1019.2	995.9	988.8
27.5°	2640.9	2079.5	1459.0	1235.5	1106.8	1028.1	976.3	936.9	917.3	881.5	874.4
30°	2766.1	2036.6	1366.1	1114.0	1001.3	920.8	869.0	840.4	793.9	785.0	765.3
32.5°	2846.6	2049.1	1248.1	995.9	879.7	808.2	774.2	745.6	733.1	690.2	679.5
35°	2980.7	2006.2	1128.3	886.9	779.6	724.2	695.6	686.6	645.5	625.8	607.9
37.5°	3066.5	1981.2	1008.5	763.5	670.5	647.3	656.2	618.7	568.6	531.0	518.5
40°	3216.7	1972.2	872.6	661.6	595.4	590.1	618.7	547.1	456.0	423.8	405.9
42.5°	3433.0	1911.4	767.1	570.4	536.4	559.7	565.0	456.0	404.1	377.3	364.8
45°	3640.5	1923.9	663.4	472.0	466.7	500.7	488.1	386.2	355.8	336.2	346.9
47.5°	4039.2	1986.5	561.4	393.4	420.2	452.4	379.1	345.1	316.5	302.2	304.0
50°	4656.1	2047.3	472.0	359.4	396.9	409.5	325.4	312.9	311.1	282.5	280.7
52.5°	5026.2	2024.1	456.0	402.3	425.6	409.5	354.0	345.1	330.8	318.3	304.0
55°	5614.5	2092.0	489.9	470.3	482.8	393.4	396.9	393.4	382.6	350.5	359.4
57.5°	6082.9	2136.7	534.6	525.7	518.5	409.5	414.8	416.6	409.5	395.2	407.7
60°	6726.6	2226.1	581.1	582.9	584.7	445.2	454.2	464.9	463.1	457.7	461.3
62.5°	7121.8	2185.0	633.0	661.6	652.6	518.5	516.7	523.9	523.9	532.8	538.2
65°	7062.8	2033.0	659.8	731.3	684.8	572.2	572.2	575.8	577.5	595.4	597.2
67°	6708.8	1761.2	645.5	742.0	684.8	593.6	593.6	597.2	584.7	631.2	616.9
67.5°	6544.3	1680.8	633.0	733.1	679.5	591.8	591.8	593.6	582.9	627.6	613.3
70°	5691.4	1248.1	545.4	649.1	629.4	575.8	575.8	565.0	556.1	615.1	602.6
72.5°	4858.1	906.5	438.1	552.5	568.6	554.3	557.9	531.0	506.0	547.1	536.4
75°	3720.9	666.9	341.5	425.6	481.0	518.5	541.8	473.8	441.6	452.4	432.7
77.5°	2075.9	434.5	270.0	314.7	366.5	482.8	520.3	427.3	361.2	348.7	348.7
80°	704.5	253.9	198.5	234.2	252.1	427.3	486.3	346.9	284.3	271.8	262.8
82.5°	266.4	155.6	135.9	160.9	160.9	337.9	396.9	266.4	214.6	277.1	282.5
85°	121.6	93.0	89.4	93.0	93.0	207.4	280.7	173.4	193.1	166.3	146.6
87.5°	48.3	44.7	41.1	39.3	32.2	35.8	96.6	46.5	87.6	23.2	21.5
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)