

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: P476987

Luminaire Tested: **IFLD-S-SA3B-740-U-T2R**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476987
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-740-U-T2R
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

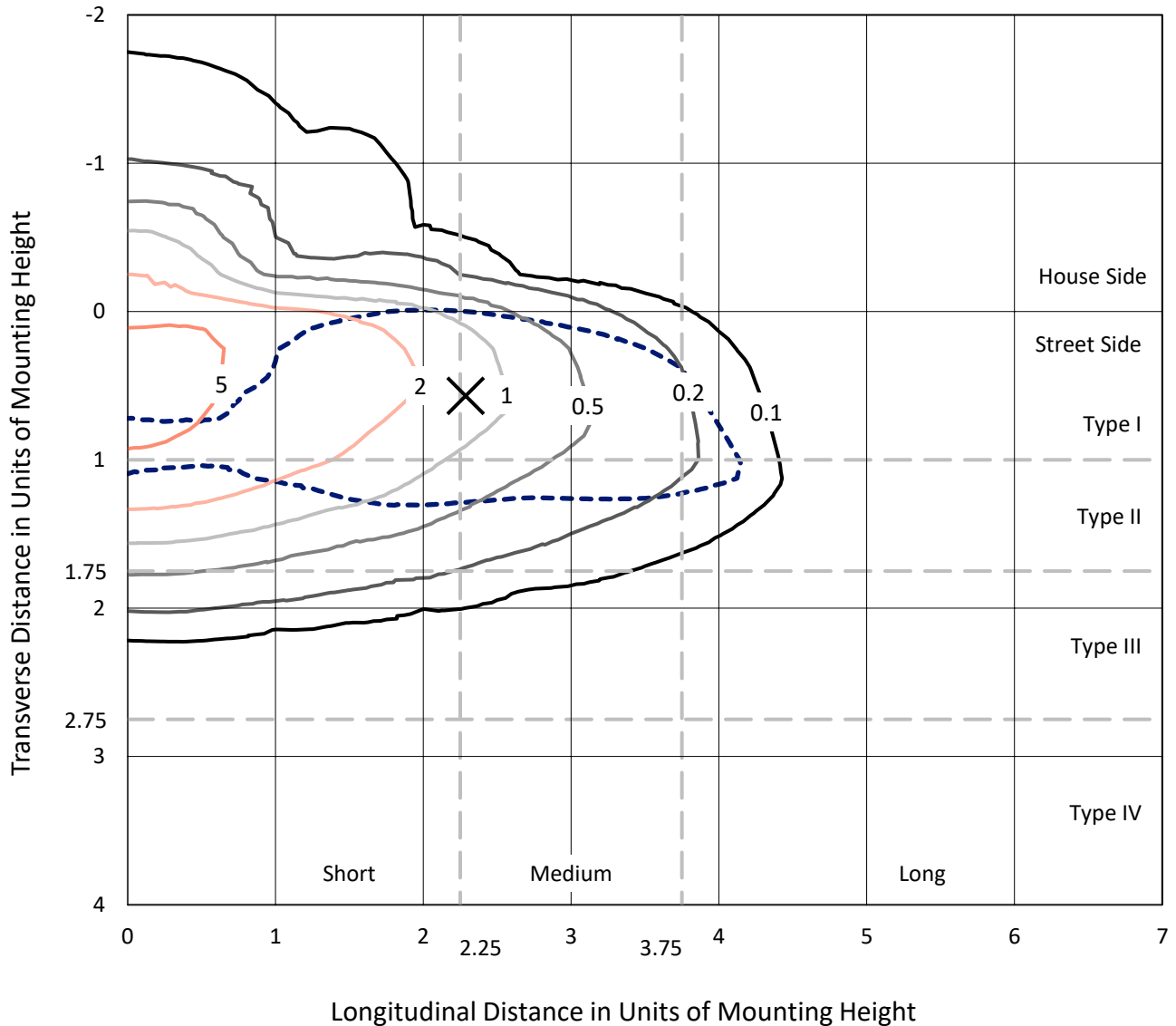
Lumens per Lamp: N/A
Luminaire Lumens: 17111.6 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 122.4
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

REPORT NUMBER: P476987
 CATALOG NUMBER: IFLD-S-SA3B-740-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

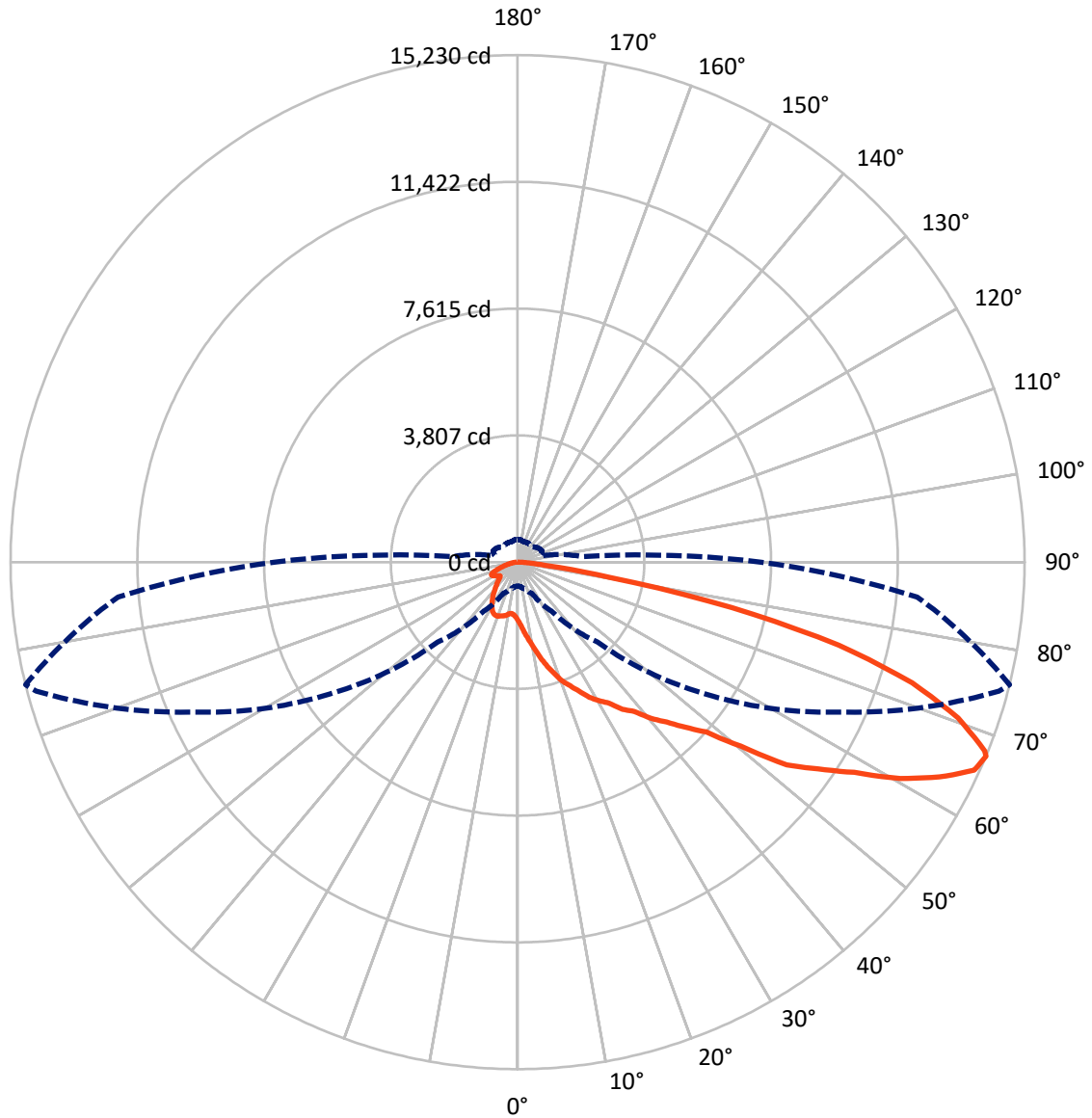
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Medium - N/A

REPORT NUMBER: P476987
CATALOG NUMBER: IFLD-S-SA3B-740-U-T2R

Luminous Intensity Polar Plot



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

REPORT NUMBER: P476987
 CATALOG NUMBER: IFLD-S-SA3B-740-U-T2R

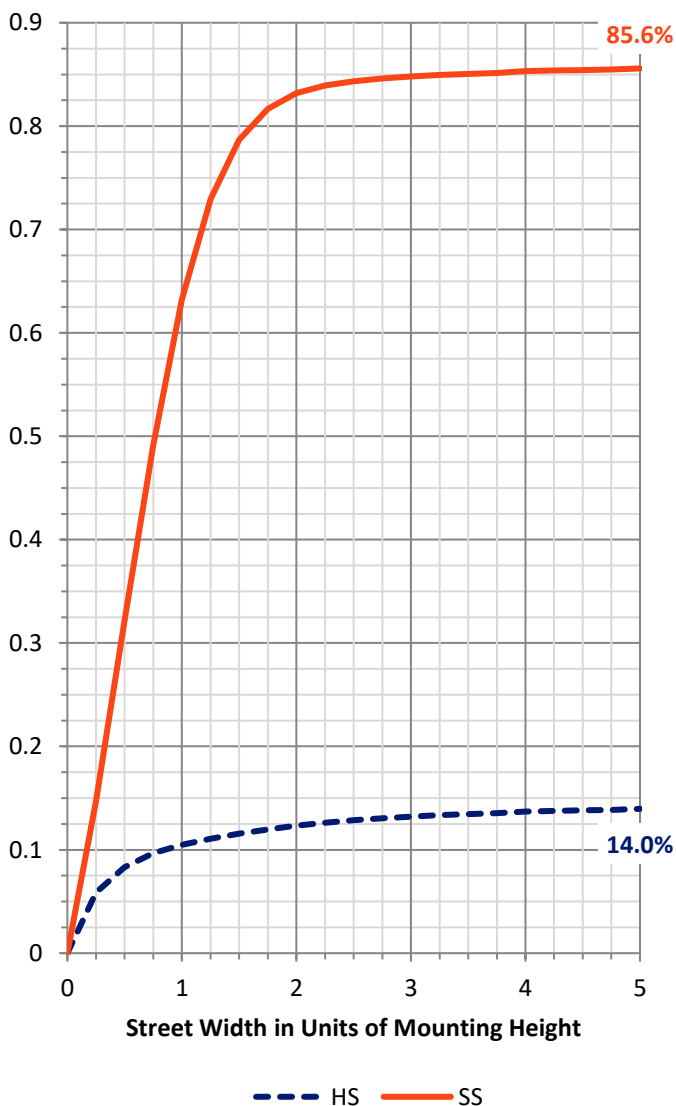
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2434.4	0.0	2434.4
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	14677.2	0.0	14677.2
	% Fixture	85.8	0.0	85.8
Total	Lumens	17111.6	0.0	17111.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.8	1.2
10°-20°	760.8	4.4
20°-30°	1414.4	8.3
30°-40°	2242.1	13.1
40°-50°	3101.0	18.1
50°-60°	3814.4	22.3
60°-70°	3549.5	20.7
70°-80°	1781.1	10.4
80°-90°	245.6	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°	17111.6	100.0
0°-180°	17111.6	100.0

Coefficient of Utilization



REPORT NUMBER: P476987

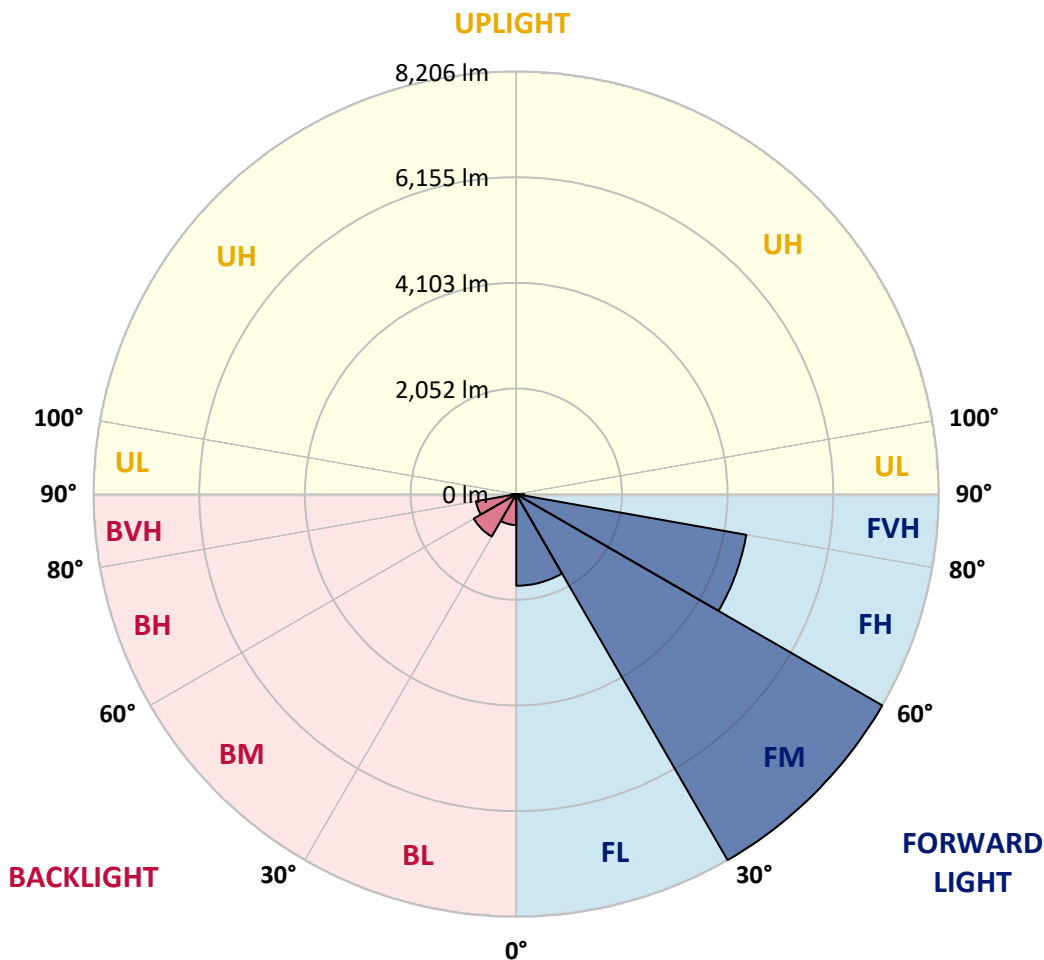
CATALOG NUMBER: IFLD-S-SA3B-740-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1778.5	10.4			
FM (30°-60°)	8206.1	48.0			
FH (60°-80°)	4536.1	26.5			G2/5000
FVH (80°-90°)	156.5	0.9			G2/225
BL (0°-30°)	599.5	3.5	B2/1000		
BM (30°-60°)	951.3	5.6	B1/1000		
BH (60°-80°)	794.5	4.6	B2/1000		G2/1000
BVH (80°-90°)	89.1	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





REPORT NUMBER: P476987
 CATALOG NUMBER: IFLD-S-SA3B-740-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1
2.5°	2429.7	2400.5	2371.2	2308.8	2287.4	2228.9	2121.6	2002.7	1905.2	1891.5	1823.3
5°	3014.7	2971.8	2962.1	2927.0	2815.8	2702.7	2527.2	2336.1	2098.2	2115.8	1881.8
7.5°	3453.5	3428.1	3375.5	3342.3	3276.0	3125.9	2944.5	2691.0	2388.8	2330.3	2012.4
10°	3785.0	3749.9	3747.9	3718.7	3683.6	3529.5	3391.1	3049.8	2661.8	2581.8	2172.3
12.5°	3952.7	3946.8	4050.2	4050.2	4036.5	3972.2	3734.3	3422.3	2921.1	2893.8	2357.6
15°	4134.0	4085.3	4175.0	4243.2	4278.3	4311.5	4114.5	3785.0	3252.6	3200.0	2556.5
17.5°	4134.0	4130.1	4219.8	4332.9	4516.2	4559.1	4451.9	4118.4	3527.6	3488.6	2774.9
20°	4063.8	4120.4	4182.8	4334.9	4533.8	4707.3	4738.5	4459.7	3831.8	3800.6	3022.5
22.5°	4391.4	4336.8	4401.2	4459.7	4613.7	4877.0	4962.8	4760.0	4151.6	4032.6	3246.8
25°	4941.3	4904.3	4857.5	4771.7	4836.0	4951.1	5081.7	4982.3	4424.6	4292.0	3463.2
27.5°	5477.6	5479.5	5378.1	5190.9	5052.5	5075.9	5229.9	5177.3	4654.7	4596.2	3611.4
30°	6240.0	6193.2	6080.1	5826.6	5555.6	5333.3	5307.9	5358.6	4947.2	4834.1	3824.0
32.5°	6811.4	6821.1	6661.2	6296.6	5926.1	5744.7	5522.4	5543.9	5132.4	5048.6	3993.6
35°	7273.5	7261.8	7148.7	6846.5	6407.7	6189.3	5889.0	5766.2	5563.4	5430.8	4253.0
37.5°	7772.7	7677.2	7493.9	7152.6	6871.8	6569.6	6277.1	6000.2	5850.0	5690.1	4475.3
40°	7973.6	7973.6	7727.9	7571.9	7238.4	7010.3	6821.1	6308.3	6199.1	6167.9	4760.0
42.5°	7831.2	7919.0	7817.6	7640.1	7503.6	7215.0	7164.3	6628.1	6630.0	6567.6	5101.2
45°	7817.6	7696.7	7612.8	7657.7	7593.3	7577.7	7706.4	7070.7	7082.4	7074.6	5559.5
47.5°	7425.6	7371.0	7495.8	7569.9	7622.6	7864.4	8234.9	7599.2	7683.0	7624.5	6087.9
50°	7035.6	7025.9	7103.9	7373.0	7601.1	7998.9	8738.0	8414.3	8689.2	8685.3	7045.4
52.5°	5967.0	6070.4	6376.5	6945.9	7509.5	8182.2	9118.2	9455.6	9980.1	10122.5	7839.0
55°	4945.2	4890.6	5343.0	6169.8	7109.7	8254.4	9543.3	10081.5	10853.7	10957.1	8654.1
57.5°	3847.4	3948.8	4305.6	5099.3	6282.9	7897.5	9855.3	10699.7	11840.4	11920.4	9599.9
60°	2870.4	2884.1	3276.0	3915.6	5183.1	7092.2	9956.7	11333.4	12971.4	13199.6	10590.5
62.5°	1805.7	1887.6	2186.0	2815.8	3902.0	5965.1	9502.4	11717.6	14157.0	14217.5	11588.9
65°	973.1	1025.7	1250.0	1645.8	2726.1	4512.3	8297.3	11487.5	14714.7	15073.5	12033.5
67°	719.6	729.3	832.7	1051.1	1823.3	3396.9	6918.6	10654.8	14968.2	15229.5	12051.0
67.5°	674.7	688.4	770.3	943.8	1616.6	3127.8	6557.9	10358.4	14855.1	15135.9	11914.5
70°	577.2	581.1	600.6	649.4	906.8	1881.8	4465.5	8488.4	13769.0	14038.1	10957.1
72.5°	512.9	516.8	524.6	534.3	614.3	1088.1	2716.4	6532.5	11967.2	12396.2	9453.6
75°	450.5	464.1	468.0	460.2	522.6	707.9	1445.0	4800.9	9761.7	9970.4	7351.5
77.5°	382.2	388.1	395.9	403.7	466.1	528.5	694.2	3240.9	6700.2	6573.5	3976.1
80°	321.8	323.7	329.6	335.4	403.7	403.7	393.9	1751.1	2927.0	2798.3	1343.6
82.5°	230.1	243.8	257.4	273.0	335.4	271.1	257.4	780.0	926.3	881.4	454.4
85°	89.7	109.2	169.7	187.2	212.6	146.3	171.6	337.4	386.1	382.2	169.7
87.5°	15.6	17.6	46.8	72.2	78.0	50.7	81.9	120.9	144.3	156.0	62.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P476987
 CATALOG NUMBER: IFLD-S-SA3B-740-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1	1751.1
2.5°	1766.7	1706.3	1634.1	1562.0	1515.2	1441.1	1435.2	1390.4	1384.5	1368.9	1376.7
5°	1780.4	1708.2	1562.0	1446.9	1394.3	1351.4	1361.1	1341.6	1335.8	1326.0	1310.4
7.5°	1887.6	1745.3	1526.9	1427.4	1388.4	1368.9	1368.9	1345.5	1328.0	1339.7	1351.4
10°	1957.8	1762.8	1554.2	1454.7	1423.5	1380.6	1396.2	1367.0	1376.7	1353.3	1353.3
12.5°	2070.9	1862.3	1610.7	1495.7	1445.0	1406.0	1421.6	1388.4	1380.6	1382.6	1376.7
15°	2223.0	1928.6	1636.1	1519.1	1484.0	1435.2	1423.5	1394.3	1365.0	1355.3	1367.0
17.5°	2365.4	2010.5	1653.6	1532.7	1476.2	1421.6	1407.9	1370.9	1361.1	1331.9	1308.5
20°	2535.0	2108.0	1677.0	1544.4	1446.9	1392.3	1357.2	1320.2	1287.0	1269.5	1277.3
22.5°	2648.1	2158.7	1688.7	1521.0	1404.0	1353.3	1279.2	1253.9	1207.1	1187.6	1172.0
25°	2833.4	2221.1	1659.5	1456.7	1328.0	1246.1	1179.8	1144.7	1111.5	1086.2	1078.4
27.5°	2880.2	2267.9	1591.2	1347.5	1207.1	1121.3	1064.7	1021.8	1000.4	961.4	953.6
30°	3016.7	2221.1	1489.8	1214.9	1092.0	1004.3	947.7	916.5	865.8	856.1	834.6
32.5°	3104.4	2234.7	1361.1	1086.2	959.4	881.4	844.4	813.2	799.5	752.7	741.0
35°	3250.7	2187.9	1230.5	967.2	850.2	789.8	758.6	748.8	704.0	682.5	663.0
37.5°	3344.3	2160.6	1099.8	832.7	731.3	705.9	715.7	674.7	620.1	579.2	565.5
40°	3508.1	2150.9	951.6	721.5	649.4	643.5	674.7	596.7	497.3	462.2	442.7
42.5°	3744.0	2084.6	836.6	622.1	585.0	610.4	616.2	497.3	440.7	411.5	397.8
45°	3970.2	2098.2	723.5	514.8	509.0	546.0	532.4	421.2	388.1	366.6	378.3
47.5°	4405.1	2166.5	612.3	429.0	458.3	493.4	413.4	376.4	345.2	329.6	331.5
50°	5077.8	2232.8	514.8	392.0	432.9	446.6	354.9	341.3	339.3	308.1	306.2
52.5°	5481.5	2207.4	497.3	438.8	464.1	446.6	386.1	376.4	360.8	347.1	331.5
55°	6123.0	2281.5	534.3	512.9	526.5	429.0	432.9	429.0	417.3	382.2	392.0
57.5°	6633.9	2330.3	583.1	573.3	565.5	446.6	452.4	454.4	446.6	431.0	444.6
60°	7335.9	2427.8	633.8	635.7	637.7	485.6	495.3	507.0	505.1	499.2	503.1
62.5°	7766.9	2382.9	690.3	721.5	711.8	565.5	563.6	571.4	571.4	581.1	587.0
65°	7702.5	2217.2	719.6	797.6	746.9	624.0	624.0	627.9	629.9	649.4	651.3
67°	7316.4	1920.8	704.0	809.3	746.9	647.4	647.4	651.3	637.7	688.4	672.8
67.5°	7137.0	1833.0	690.3	799.5	741.0	645.5	645.5	647.4	635.7	684.5	668.9
70°	6206.9	1361.1	594.8	707.9	686.4	627.9	627.9	616.2	606.5	670.8	657.2
72.5°	5298.2	988.7	477.8	602.6	620.1	604.5	608.4	579.2	551.9	596.7	585.0
75°	4058.0	727.4	372.5	464.1	524.6	565.5	590.9	516.8	481.7	493.4	471.9
77.5°	2264.0	473.9	294.5	343.2	399.8	526.5	567.5	466.1	393.9	380.3	380.3
80°	768.3	276.9	216.5	255.5	275.0	466.1	530.4	378.3	310.1	296.4	286.7
82.5°	290.6	169.7	148.2	175.5	175.5	368.6	432.9	290.6	234.0	302.3	308.1
85°	132.6	101.4	97.5	101.4	101.4	226.2	306.2	189.2	210.6	181.4	159.9
87.5°	52.7	48.8	44.9	42.9	35.1	39.0	105.3	50.7	95.6	25.4	23.4
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)