

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: P478016

Luminaire Tested: **IFLD-S-SA6B-722-U-T4FT**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P478016
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-722-U-T4FT
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

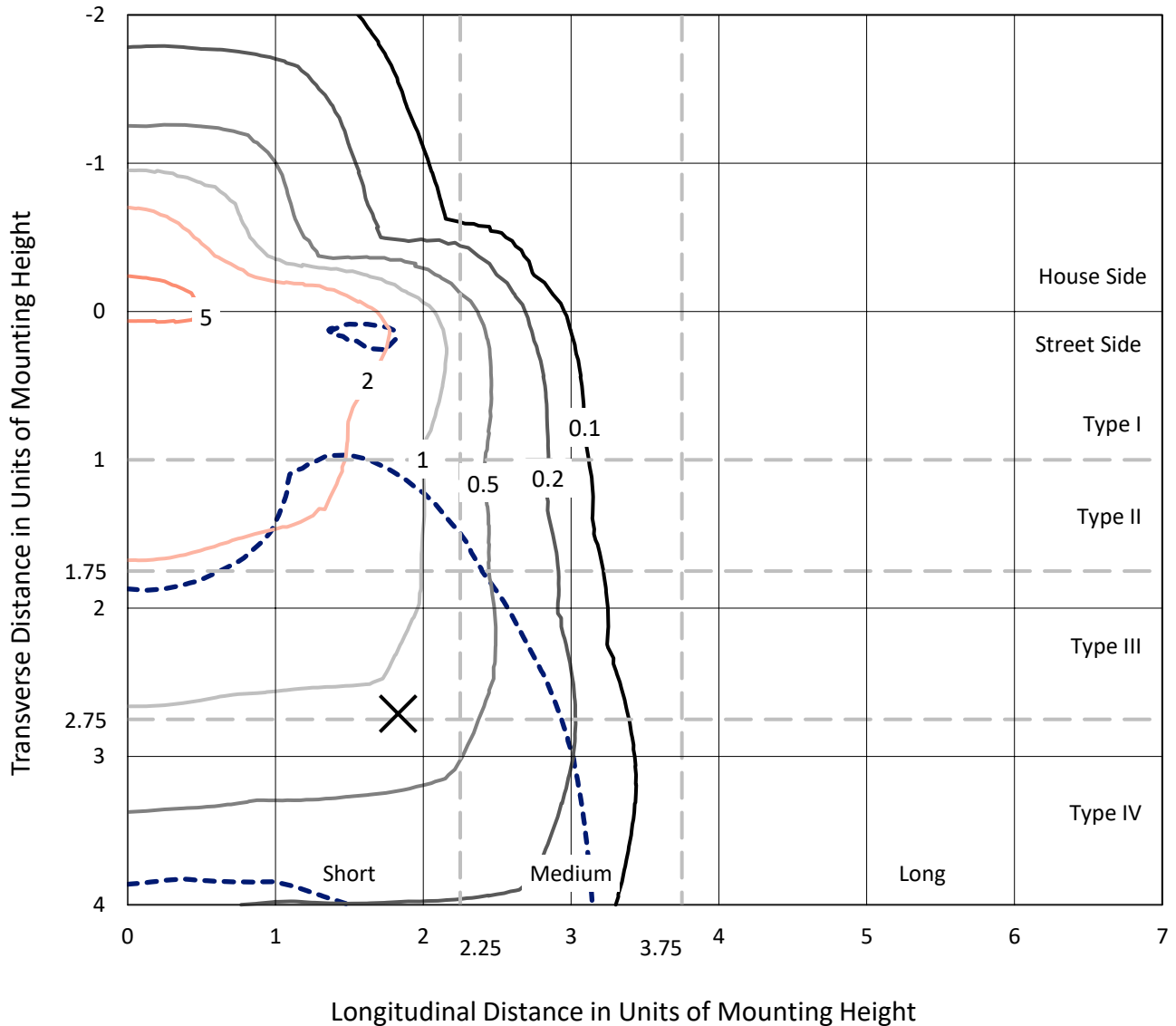
Lumens per Lamp: N/A
Luminaire Lumens: 25189.6 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 244.9
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

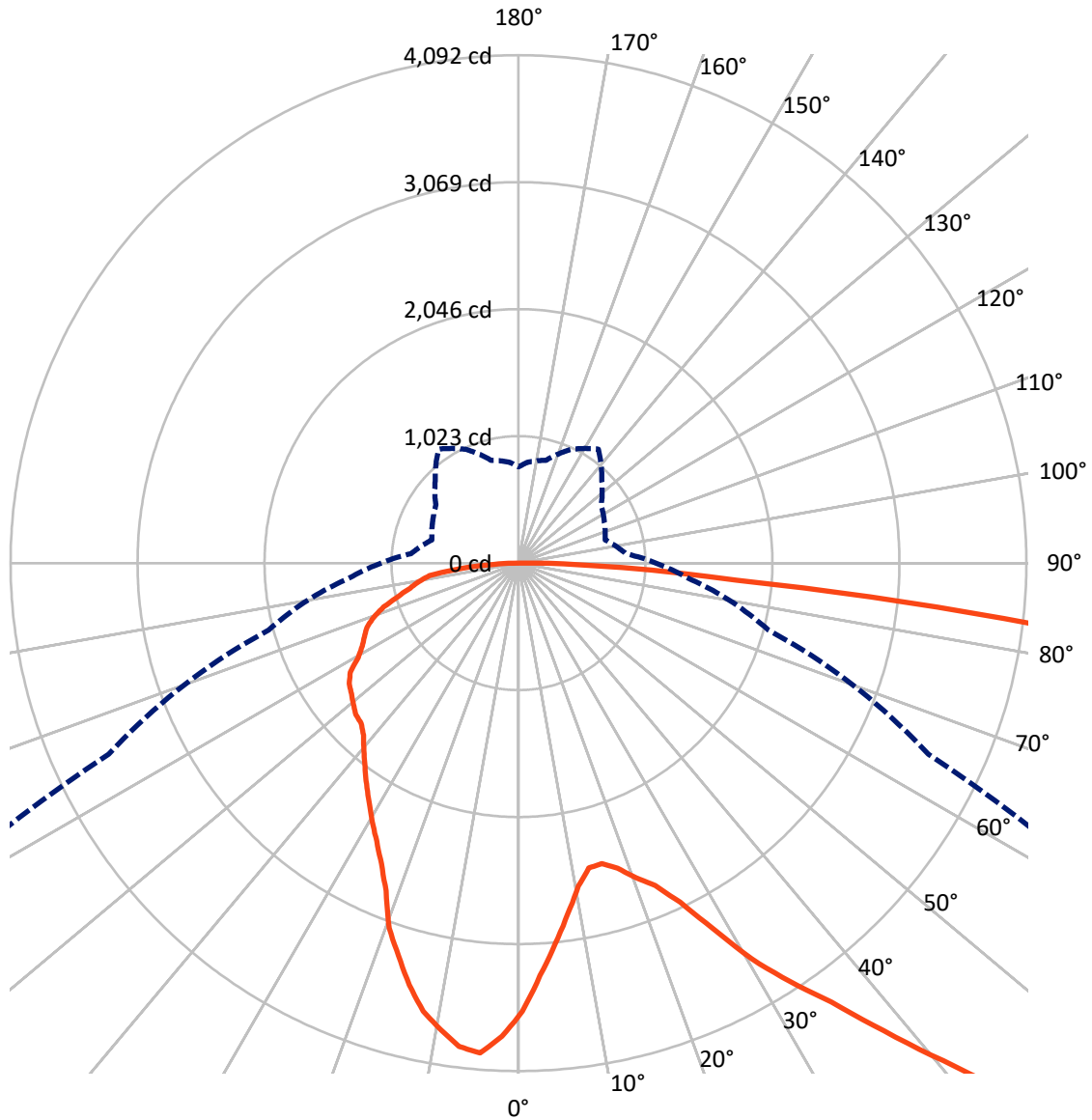
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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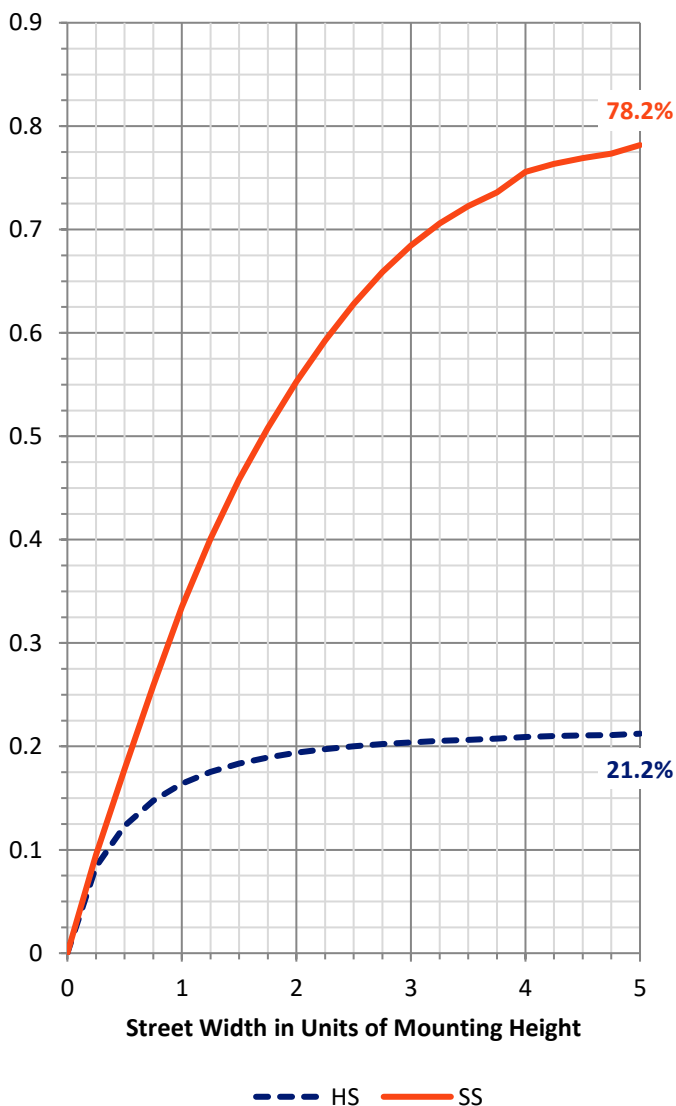
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5441.3	0.0	5441.3
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	19748.4	0.0	19748.4
	% Fixture	78.4	0.0	78.4
Total	Lumens	25189.6	0.0	25189.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	333.3	1.3
10°-20°	932.8	3.7
20°-30°	1535.2	6.1
30°-40°	2295.9	9.1
40°-50°	3403.6	13.5
50°-60°	4905.0	19.5
60°-70°	6259.4	24.8
70°-80°	4870.9	19.3
80°-90°	653.5	2.6
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°	25189.6	100.0
0°-180°	25189.6	100.0

Coefficient of Utilization



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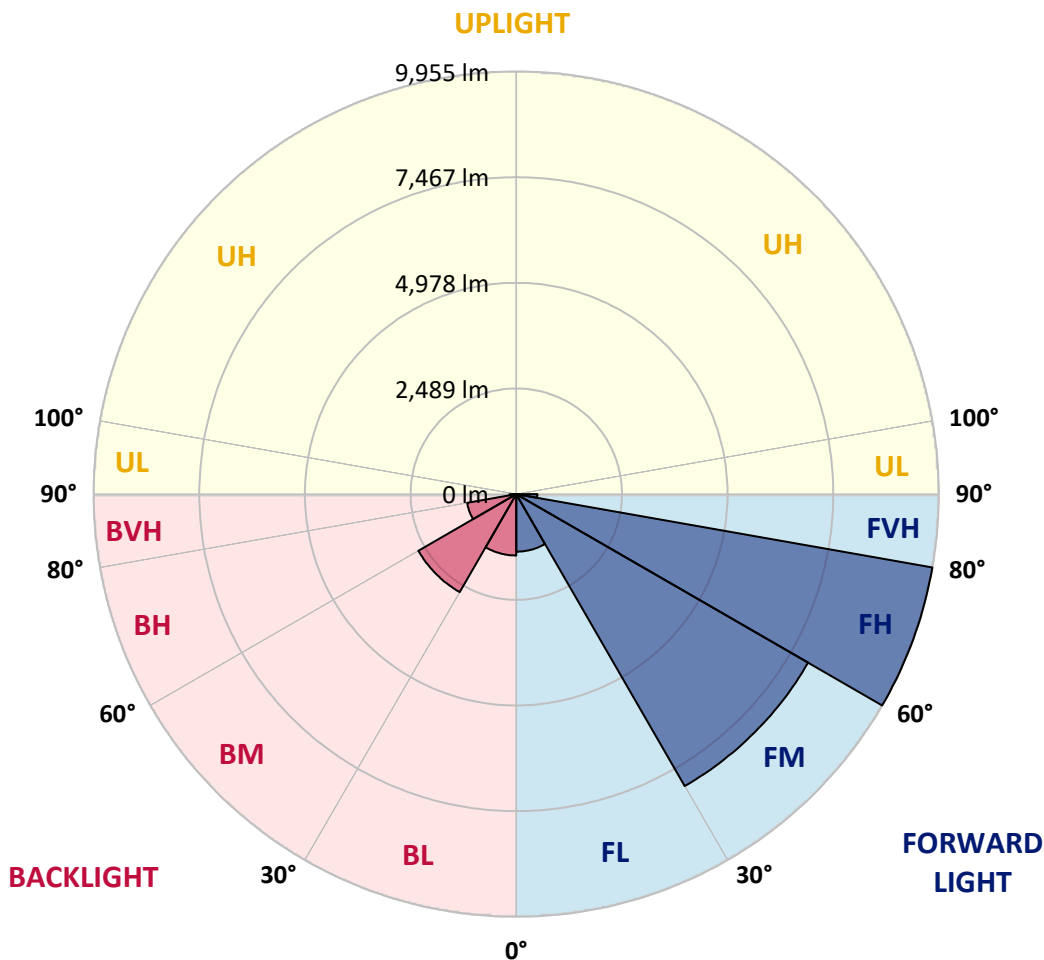
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1355.6	5.4			
FM (30°-60°)	7939.9	31.5			
FH (60°-80°)	9955.4	39.5			G4/12000
FVH (80°-90°)	497.4	2.0			G3/500
BL (0°-30°)	1445.7	5.7	B3/2500		
BM (30°-60°)	2664.6	10.6	B3/5000		
BH (60°-80°)	1174.9	4.7	B3/2500		G3/2500
BVH (80°-90°)	156.1	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3
2.5°	3235.8	3246.5	3281.1	3289.1	3326.4	3305.1	3350.3	3430.2	3475.5	3542.1	3622.0
5°	2980.1	2934.9	2956.2	3038.7	3081.4	3092.0	3139.9	3275.8	3361.0	3459.5	3608.7
7.5°	2679.2	2671.2	2713.8	2767.1	2852.3	2860.3	2966.8	3086.7	3262.4	3480.8	3656.6
10°	2474.1	2508.8	2532.7	2588.7	2647.2	2647.2	2783.1	2990.8	3190.5	3400.9	3667.3
12.5°	2463.5	2442.2	2447.5	2476.8	2519.4	2572.7	2700.5	2886.9	3139.9	3385.0	3712.5
15°	2498.1	2506.1	2458.2	2495.4	2511.4	2530.1	2671.2	2881.6	3108.0	3440.9	3789.8
17.5°	2681.9	2636.6	2562.0	2527.4	2583.3	2583.3	2679.2	2844.3	3113.3	3470.2	3901.6
20°	2825.7	2825.7	2703.2	2665.9	2705.8	2697.8	2764.4	2886.9	3139.9	3528.8	4026.8
22.5°	3068.0	3102.7	2900.3	2823.0	2820.4	2841.7	2900.3	3004.1	3214.5	3611.3	4146.6
25°	3416.9	3424.9	3190.5	3110.6	3025.4	3060.0	3070.7	3174.6	3281.1	3707.2	4282.5
27.5°	3805.7	3800.4	3584.7	3385.0	3329.0	3337.0	3278.4	3347.7	3379.6	3736.5	4476.9
30°	4237.2	4189.3	4026.8	3744.5	3699.2	3648.6	3520.8	3518.1	3584.7	3901.6	4745.9
32.5°	4519.5	4458.2	4346.4	4144.0	4018.8	4024.1	3821.7	3819.1	3760.5	4082.7	4980.2
35°	4796.5	4703.3	4674.0	4466.2	4341.1	4354.4	4191.9	4170.6	4064.1	4357.0	5366.4
37.5°	5129.4	5046.8	5092.1	4935.0	4780.5	4716.6	4642.0	4615.4	4476.9	4743.2	5893.7
40°	5496.9	5470.3	5441.0	5363.7	5270.5	5275.8	5196.0	5169.3	4964.2	5209.3	6399.7
42.5°	5992.3	5891.1	5739.2	5789.8	5837.8	5888.4	5861.8	5792.5	5579.5	5683.3	6964.3
45°	6453.0	6319.8	6040.2	6056.2	6253.3	6293.2	6615.4	6607.5	6178.7	6285.2	7606.2
47.5°	6764.6	6703.3	6535.6	6516.9	6799.2	6796.5	7377.1	7377.1	6809.9	6884.4	8295.9
50°	7228.0	7068.2	6996.3	7089.5	7233.3	7331.9	8154.8	8205.4	7430.4	7510.3	9198.8
52.5°	7771.3	7571.5	7390.4	7630.1	7885.8	7949.7	8924.5	8903.2	7907.1	8237.4	10256.1
55°	8221.4	8120.2	7995.0	8133.5	8551.6	8631.5	9696.8	9499.7	8383.8	8839.2	10764.8
57.5°	8746.0	8807.3	8833.9	8799.3	9297.3	9422.5	10578.3	10013.7	8794.0	9244.1	11063.0
60°	9537.0	9574.3	9608.9	9691.5	10218.8	10394.6	11276.1	10658.2	9052.3	9478.4	11087.0
62.5°	10740.8	10597.0	10674.2	10959.2	11382.6	11582.4	12304.1	11111.0	9249.4	9619.6	10304.0
65°	12117.7	11923.3	11843.4	12210.9	13308.1	13148.3	13587.8	11449.2	8964.4	9092.2	8738.0
67.5°	13513.2	13534.5	13329.4	14067.1	15412.1	15412.1	14780.9	11611.7	8192.1	7369.1	6128.1
70°	14621.1	14687.7	14799.5	16229.7	18360.3	18682.5	16259.0	10945.9	6618.1	4905.7	3350.3
72.5°	14605.1	14405.4	14978.0	17611.9	21039.5	20770.5	16567.9	8655.5	4130.7	2402.2	1536.7
73°	14277.5	14109.8	14735.6	17598.6	21148.7	20895.7	16341.5	7979.0	3643.3	2082.6	1366.2
75°	11659.6	11356.0	12421.3	15939.4	19566.7	19761.1	13883.4	5203.9	1997.4	1283.7	961.4
77.5°	5315.8	5449.0	6836.5	10692.8	15079.2	15308.2	9126.9	2250.4	1094.6	900.2	708.4
80°	1707.1	1792.3	2660.6	5315.8	9451.8	9864.6	4218.5	1022.7	780.3	689.8	530.0
82.5°	652.5	649.8	1115.9	2210.5	4479.5	4743.2	1542.0	623.2	580.6	508.7	375.5
85°	229.0	239.7	420.8	873.5	1763.1	1845.6	535.3	346.2	402.1	340.9	215.7
87.5°	79.9	82.6	149.1	316.9	607.2	641.8	149.1	138.5	199.7	197.1	109.2
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°	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3	3611.3
2.5°	3648.6	3672.6	3680.6	3776.5	3776.5	3776.5	3813.7	3813.7	3803.1	3776.5	3840.4
5°	3664.6	3707.2	3789.8	3872.3	3893.6	3912.3	3962.9	3920.3	3936.2	3909.6	3933.6
7.5°	3709.9	3768.5	3922.9	3973.5	3938.9	3978.9	3925.6	3896.3	3867.0	3877.7	3840.4
10°	3787.1	3861.7	3933.6	4026.8	3960.2	3920.3	3811.1	3784.4	3691.2	3659.3	3688.6
12.5°	3883.0	3973.5	4096.0	4061.4	3933.6	3819.1	3701.9	3590.0	3534.1	3454.2	3475.5
15°	3978.9	4082.7	4101.4	4042.8	3883.0	3739.2	3526.1	3369.0	3313.1	3241.1	3278.4
17.5°	4082.7	4181.3	4149.3	3997.5	3781.8	3563.4	3321.0	3166.6	3049.4	3004.1	3004.1
20°	4237.2	4285.1	4234.5	3922.9	3659.3	3371.6	3137.3	2961.5	2844.3	2825.7	2796.4
22.5°	4357.0	4434.3	4207.9	3813.7	3480.8	3121.3	2852.3	2785.7	2751.1	2721.8	2684.5
25°	4511.5	4508.8	4160.0	3712.5	3174.6	2823.0	2660.6	2655.2	2639.3	2628.6	2679.2
27.5°	4658.0	4596.7	4104.0	3462.2	2857.6	2596.6	2508.8	2567.3	2591.3	2575.3	2596.6
30°	4889.7	4788.5	4024.1	3195.9	2578.0	2367.6	2383.6	2463.5	2503.4	2527.4	2495.4
32.5°	5134.7	4980.2	3859.0	2918.9	2330.3	2223.8	2261.1	2343.6	2391.6	2418.2	2447.5
35°	5488.9	5129.4	3691.2	2556.7	2151.9	2135.9	2157.2	2202.5	2271.7	2290.4	2298.4
37.5°	5925.7	5355.7	3464.9	2266.4	2013.4	2032.0	2053.3	2069.3	2072.0	2106.6	2093.3
40°	6362.4	5547.5	3134.6	1989.4	1869.6	1970.8	1960.1	1930.8	1906.9	1874.9	1866.9
42.5°	6745.9	5715.3	2767.1	1755.1	1741.7	1906.9	1872.2	1797.7	1741.7	1717.8	1677.8
45°	7177.4	5952.3	2396.9	1608.6	1643.2	1829.6	1819.0	1704.5	1632.6	1547.3	1536.7
47.5°	7736.7	6200.0	2042.7	1456.8	1550.0	1800.3	1805.7	1659.2	1555.3	1440.8	1424.8
50°	8453.1	6556.9	1773.7	1392.9	1494.1	1757.7	1765.7	1597.9	1462.1	1344.9	1334.3
52.5°	9140.2	6921.7	1550.0	1294.3	1456.8	1707.1	1725.8	1542.0	1384.9	1238.4	1246.4
55°	9486.4	6788.6	1358.2	1222.4	1371.6	1624.6	1693.8	1502.1	1267.7	1166.5	1163.8
57.5°	9563.6	6461.0	1206.4	1147.8	1299.7	1536.7	1640.5	1382.2	1214.4	1129.2	1118.6
60°	9310.6	5888.4	1086.6	1068.0	1209.1	1446.1	1518.0	1318.3	1161.2	1091.9	1075.9
62.5°	8687.4	5294.5	1004.0	1030.7	1131.9	1347.6	1440.8	1273.0	1110.6	1062.6	1028.0
65°	7124.1	4354.4	937.5	958.8	1052.0	1251.7	1392.9	1222.4	1065.3	1020.0	1017.4
67.5°	4935.0	3001.5	884.2	924.1	988.1	1182.5	1344.9	1166.5	1006.7	990.7	969.4
70°	2527.4	1600.6	814.9	846.9	918.8	1094.6	1259.7	1107.9	945.4	942.8	916.1
72.5°	1281.0	937.5	735.0	783.0	833.6	980.1	1153.2	1030.7	868.2	838.9	796.3
73°	1107.9	868.2	721.7	764.3	812.3	948.1	1121.2	1012.0	857.6	814.9	775.0
75°	807.0	684.4	647.2	689.8	727.1	854.9	1014.7	926.8	788.3	743.0	705.8
77.5°	604.6	527.3	538.0	585.9	617.9	737.7	902.8	838.9	713.7	652.5	636.5
80°	444.8	402.1	444.8	490.0	514.0	649.8	822.9	727.1	601.9	532.6	519.3
82.5°	316.9	293.0	343.6	372.9	383.5	538.0	740.4	580.6	455.4	364.9	335.6
85°	181.1	178.4	231.7	229.0	237.0	314.3	487.4	386.2	293.0	223.7	218.4
87.5°	79.9	87.9	117.2	93.2	98.5	149.1	207.7	143.8	119.8	66.6	50.6
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)