

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: P476534

Luminaire Tested: **IFLD-S-SA6B-730-U-T2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476534
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-730-U-T2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

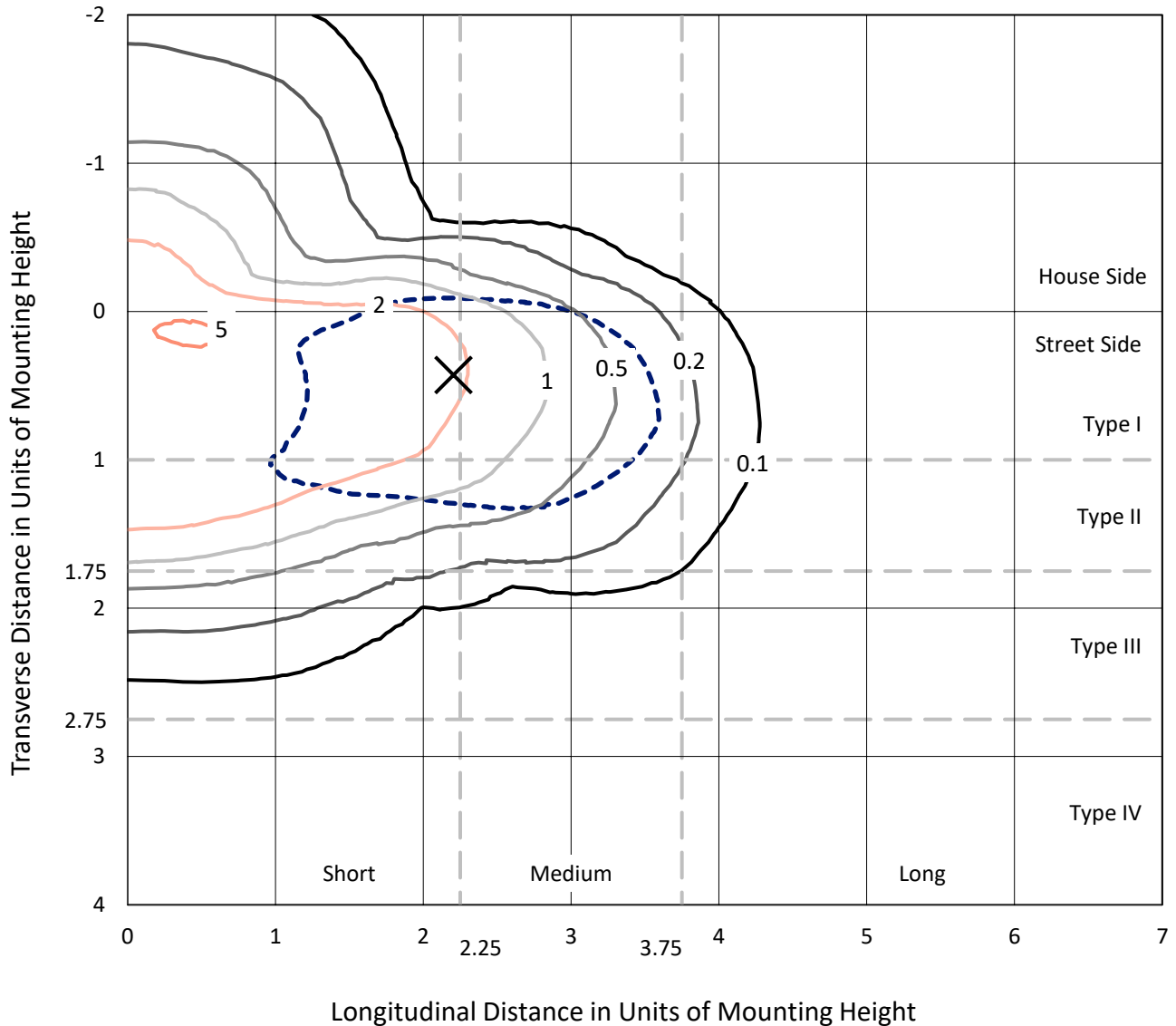
Lumens per Lamp: N/A
Luminaire Lumens: 30358.8 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

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

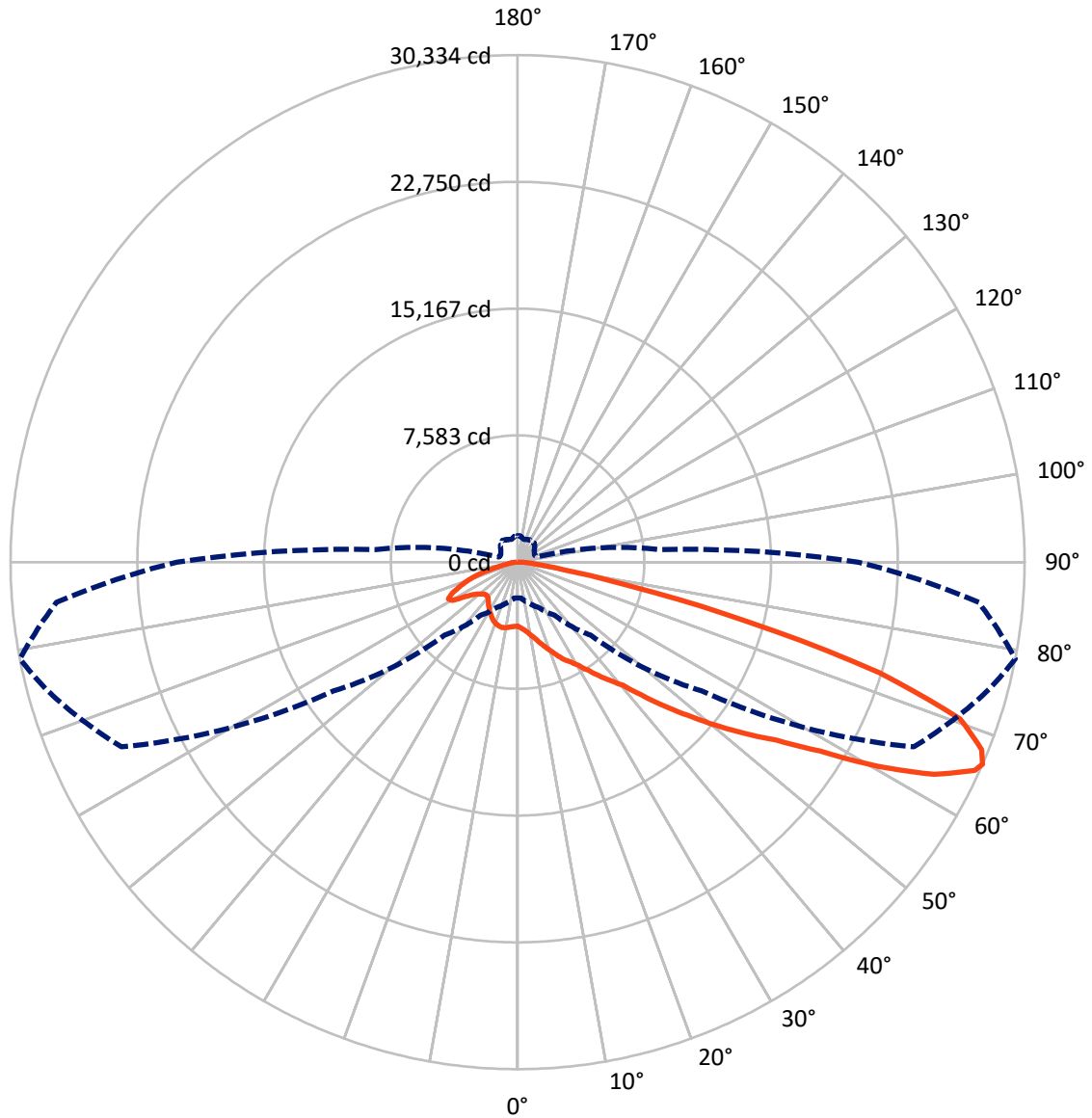
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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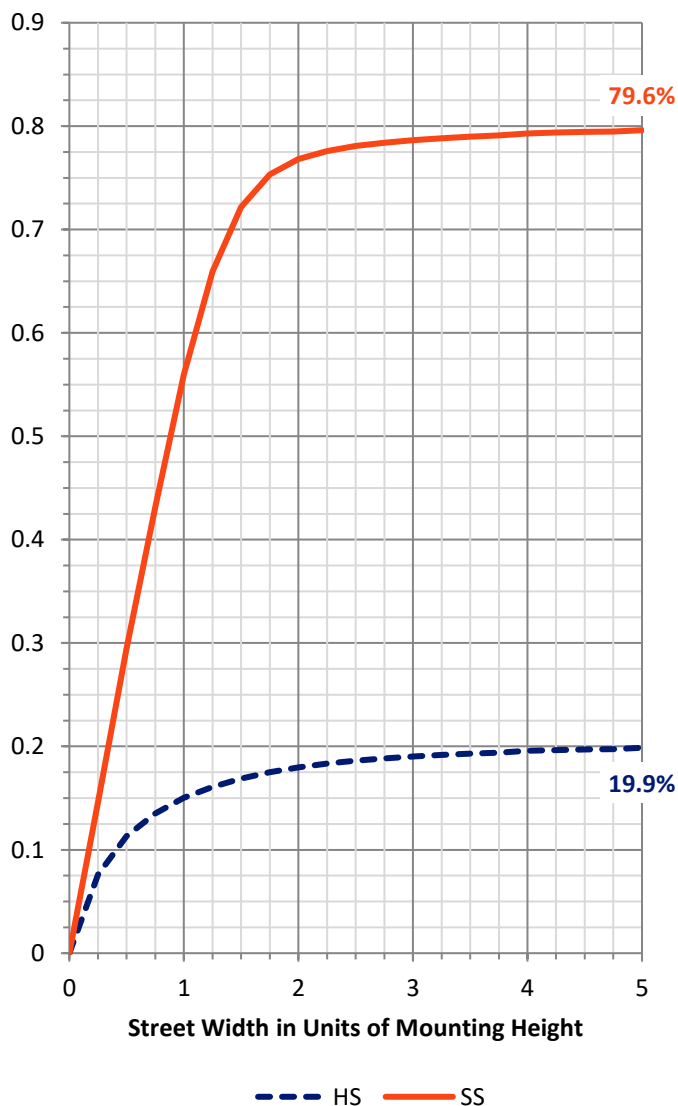
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6130.5	0.0	6130.5
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	24228.3	0.0	24228.3
	% Fixture	79.8	0.0	79.8
Total	Lumens	30358.8	0.0	30358.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.9	1.2
10°-20°	1164.0	3.8
20°-30°	1998.0	6.6
30°-40°	3086.5	10.2
40°-50°	4943.9	16.3
50°-60°	7381.5	24.3
60°-70°	7584.5	25.0
70°-80°	3362.1	11.1
80°-90°	461.3	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°	30358.8	100.0
0°-180°	30358.8	100.0

Coefficient of Utilization



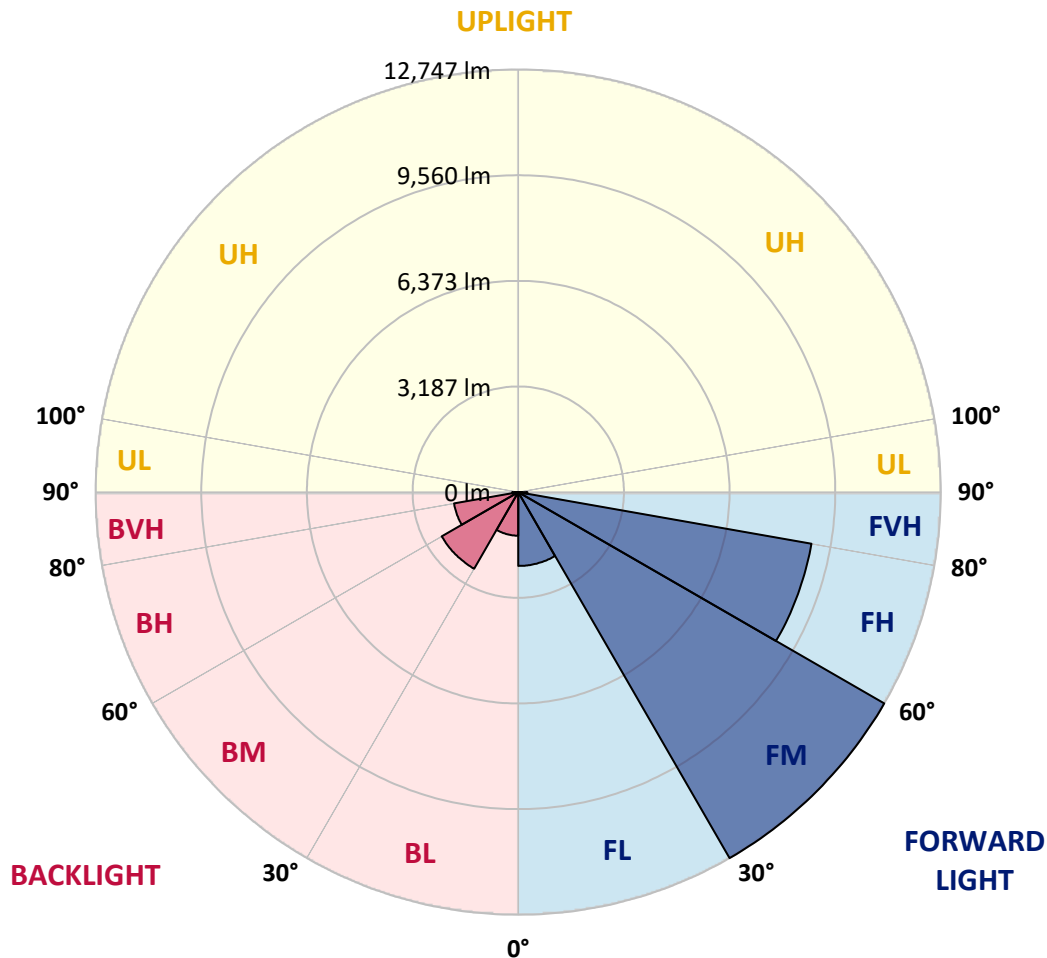
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2225.5	7.3			
FM (30°-60°)	12746.7	42.0			
FH (60°-80°)	8979.5	29.6			G4/12000
FVH (80°-90°)	276.7	0.9			G3/500
BL (0°-30°)	1313.5	4.3	B3/2500		
BM (30°-60°)	2665.3	8.8	B3/5000		
BH (60°-80°)	1967.2	6.5	B3/2500		G3/2500
BVH (80°-90°)	184.6	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	3833.5	3833.5	3833.5	3833.5	3833.5	3833.5	3833.5	3833.5	3833.5	3833.5	3833.5
2.5°	4077.2	4080.6	4080.6	4067.2	4070.6	4080.6	4043.9	3963.7	3963.7	3950.4	3927.0
5°	4327.7	4311.0	4287.6	4291.0	4277.6	4277.6	4237.5	4160.7	4093.9	4067.2	3997.1
7.5°	4361.1	4377.8	4374.4	4414.5	4434.5	4434.5	4454.6	4391.1	4291.0	4227.5	4157.4
10°	4427.9	4384.5	4381.1	4474.6	4504.7	4574.8	4654.9	4621.5	4538.1	4447.9	4354.4
12.5°	4467.9	4494.7	4494.7	4541.4	4611.5	4715.0	4855.3	4918.7	4788.5	4695.0	4551.4
15°	4528.0	4491.3	4598.2	4638.2	4771.8	4845.3	5045.6	5209.3	5122.4	5008.9	4781.8
17.5°	4554.8	4531.4	4591.5	4665.0	4892.0	5002.2	5246.0	5473.1	5399.6	5326.1	5092.4
20°	4691.7	4688.3	4715.0	4775.2	4938.8	5155.8	5459.7	5773.6	5800.3	5666.7	5349.5
22.5°	5025.6	4982.2	4982.2	4958.8	5028.9	5252.7	5663.4	6097.5	6217.7	6060.8	5640.0
25°	5332.8	5392.9	5356.2	5249.3	5222.6	5339.5	5810.3	6441.4	6601.7	6454.8	6034.1
27.5°	5726.8	5746.9	5810.3	5666.7	5483.1	5519.8	5970.6	6635.1	6965.7	6768.7	6257.8
30°	6294.5	6257.8	6244.4	6084.1	5843.7	5793.6	6154.3	6919.0	7443.2	7166.1	6521.6
32.5°	6678.5	6768.7	6765.4	6545.0	6254.5	6144.3	6381.3	7186.1	7954.1	7697.0	7009.1
35°	7439.9	7533.4	7459.9	7136.0	6795.4	6575.0	6708.6	7533.4	8538.5	8338.2	7423.2
37.5°	8411.6	8632.0	8475.1	7877.3	7396.5	7156.1	7162.7	7910.7	9136.2	8972.6	7867.3
40°	9082.8	9380.0	9163.0	8602.0	8091.0	7864.0	7773.8	8358.2	9850.8	9677.2	8561.9
42.5°	9914.3	10161.4	10047.9	9493.5	8895.8	8702.1	8521.8	9106.2	10942.8	10862.6	9453.5
45°	10822.6	10939.4	10902.7	10552.1	9887.6	9820.8	9423.4	10091.3	12228.4	12261.8	10568.8
47.5°	11667.4	11730.9	11801.0	11547.2	11133.1	11189.9	10461.9	11146.5	13477.3	13697.7	11811.0
50°	11884.5	12101.5	12265.1	12435.4	12525.6	12909.6	11607.3	12442.1	14913.2	15340.6	13193.5
52.5°	11664.1	11647.4	12144.9	12679.2	13580.8	14385.6	13166.7	14051.6	16182.1	17026.9	14459.0
55°	10662.3	10628.9	11430.3	12138.2	13898.0	15207.0	15394.0	16195.5	17714.8	18813.4	16172.1
57.5°	8909.2	8702.1	9577.0	10739.1	13210.1	15297.2	17631.3	19377.8	20072.3	21324.6	18786.7
60°	5987.3	5900.5	6738.6	8124.4	10725.7	14018.3	18970.4	23361.5	23394.9	24804.1	22843.9
62.5°	3686.6	3703.2	4240.9	5279.4	7510.0	11113.1	18392.7	26543.8	26550.5	27963.0	26183.2
65°	2411.0	2421.0	2855.1	3429.4	4691.7	7536.7	15210.4	26794.3	28744.4	30056.8	27712.6
66°	2147.1	2150.5	2524.5	2992.0	3886.9	6167.6	13433.9	26143.1	29238.6	30333.9	27692.6
67.5°	1809.9	1853.3	2153.8	2514.5	3032.1	4431.2	10658.9	24259.8	28984.9	29946.6	27064.8
70°	1415.8	1439.2	1676.3	2043.6	2274.0	2564.6	6334.6	19775.1	26530.5	28089.9	24780.7
72.5°	1135.4	1155.4	1335.7	1659.6	1846.6	1689.7	3449.5	14348.8	20957.3	22620.2	19491.3
75°	958.4	961.7	1048.5	1305.7	1519.4	1268.9	1836.6	9209.7	13447.2	14221.9	11941.2
77.5°	774.7	788.1	848.2	995.1	1222.2	998.4	1095.3	5159.2	6752.0	6808.8	5519.8
80°	631.1	637.8	674.5	724.6	931.7	738.0	741.3	2517.8	2895.1	2828.4	2244.0
82.5°	497.6	504.2	547.6	537.6	684.6	527.6	460.8	1212.2	1332.4	1305.7	1031.8
85°	280.5	280.5	430.8	430.8	434.1	333.9	280.5	571.0	704.6	657.8	484.2
87.5°	90.2	93.5	130.2	136.9	217.1	150.3	136.9	213.7	333.9	293.9	173.6
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°	3833.5	3833.5	3833.5	3833.5	3833.5	3833.5	3833.5	3833.5	3833.5	3833.5	3833.5
2.5°	3913.6	3860.2	3836.8	3760.0	3740.0	3689.9	3666.5	3636.5	3626.4	3583.0	3623.1
5°	3943.7	3927.0	3833.5	3736.6	3663.2	3629.8	3579.7	3512.9	3506.2	3446.1	3439.4
7.5°	4070.6	4013.8	3850.2	3746.7	3599.7	3516.2	3406.1	3372.7	3329.3	3309.2	3352.6
10°	4267.6	4124.0	3880.2	3619.8	3439.4	3339.3	3259.1	3235.8	3239.1	3225.7	3205.7
12.5°	4407.8	4270.9	3830.1	3512.9	3279.2	3182.3	3175.6	3199.0	3235.8	3219.1	3242.4
15°	4608.2	4351.1	3793.4	3335.9	3148.9	3122.2	3118.9	3189.0	3185.7	3185.7	3182.3
17.5°	4795.2	4431.2	3659.8	3182.3	3012.0	3032.1	3055.4	3052.1	3085.5	3098.8	3122.2
20°	5032.3	4524.7	3472.8	3028.7	2908.5	2901.8	2898.5	2901.8	2935.2	2955.3	2938.6
22.5°	5239.3	4544.7	3315.9	2881.8	2785.0	2758.2	2714.8	2758.2	2741.5	2748.2	2768.3
25°	5419.6	4548.1	3092.2	2771.6	2661.4	2601.3	2567.9	2564.6	2534.5	2531.2	2531.2
27.5°	5569.9	4434.5	2895.1	2618.0	2514.5	2457.7	2454.4	2417.6	2340.8	2290.7	2297.4
30°	5686.8	4347.7	2758.2	2484.4	2384.2	2374.2	2344.2	2260.7	2160.5	2097.1	2097.1
32.5°	5893.8	4174.1	2571.2	2347.5	2297.4	2284.1	2213.9	2140.5	2047.0	1986.9	1976.8
35°	6047.4	4013.8	2447.7	2230.6	2207.3	2180.5	2120.4	2040.3	2013.6	2000.2	2010.2
37.5°	6221.1	3833.5	2297.4	2130.5	2153.8	2103.7	2033.6	1996.9	2090.4	2067.0	2077.0
40°	6498.2	3706.6	2150.5	2070.3	2093.7	2037.0	1946.8	1933.4	2050.3	1966.8	1946.8
42.5°	7005.8	3703.2	2060.3	1980.2	1996.9	1953.5	1873.3	1866.7	1913.4	1813.2	1783.2
45°	7636.9	3820.1	1993.5	1913.4	1900.0	1893.4	1866.7	1836.6	1796.5	1666.3	1632.9
47.5°	8391.6	4010.5	1980.2	1813.2	1829.9	1886.7	1853.3	1776.5	1673.0	1589.5	1572.8
50°	9306.5	4404.5	1946.8	1739.8	1769.8	1860.0	1833.3	1726.4	1632.9	1579.5	1569.5
52.5°	10318.3	4902.0	1903.4	1626.2	1693.0	1836.6	1850.0	1749.8	1612.9	1566.1	1559.4
55°	11510.5	5636.7	1853.3	1502.7	1602.8	1813.2	1850.0	1683.0	1586.2	1586.2	1579.5
57.5°	13864.6	6959.0	1749.8	1389.1	1522.7	1769.8	1796.5	1686.3	1589.5	1589.5	1576.1
60°	17317.4	9022.7	1552.8	1302.3	1445.9	1709.7	1756.5	1636.2	1552.8	1572.8	1569.5
62.5°	20018.9	9650.5	1385.8	1218.8	1369.1	1599.5	1703.0	1582.8	1509.3	1582.8	1589.5
65°	20596.6	9016.0	1215.5	1128.7	1262.2	1492.7	1626.2	1506.0	1445.9	1589.5	1596.2
66°	20389.6	8521.8	1155.4	1102.0	1215.5	1439.2	1579.5	1479.3	1412.5	1582.8	1586.2
67.5°	19467.9	7780.5	1088.6	1045.2	1152.0	1362.4	1526.0	1442.6	1359.1	1562.8	1532.7
70°	17464.4	6598.4	975.1	945.0	1061.9	1235.5	1402.5	1349.1	1275.6	1439.2	1385.8
72.5°	13450.6	5272.7	854.9	858.2	958.4	1105.3	1278.9	1242.2	1178.8	1262.2	1228.9
75°	8191.2	3369.3	744.7	751.3	834.8	981.7	1162.1	1135.4	1058.5	1105.3	1088.6
77.5°	3629.8	1669.6	627.8	641.1	707.9	864.9	1011.8	968.4	888.2	898.3	891.6
80°	1409.2	791.4	510.9	527.6	571.0	691.2	838.2	798.1	728.0	714.6	707.9
82.5°	677.9	440.8	394.0	400.7	417.4	551.0	721.3	671.2	577.7	517.6	517.6
85°	340.6	273.8	277.2	253.8	277.2	374.0	487.5	407.4	337.3	300.5	307.2
87.5°	136.9	136.9	136.9	116.9	123.6	177.0	227.1	153.6	140.2	83.5	83.5
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)