

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: P479981

Luminaire Tested: **IFLD-L-SA8B-722-U-SL2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479981
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-722-U-SL2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens
Light Source: (128) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

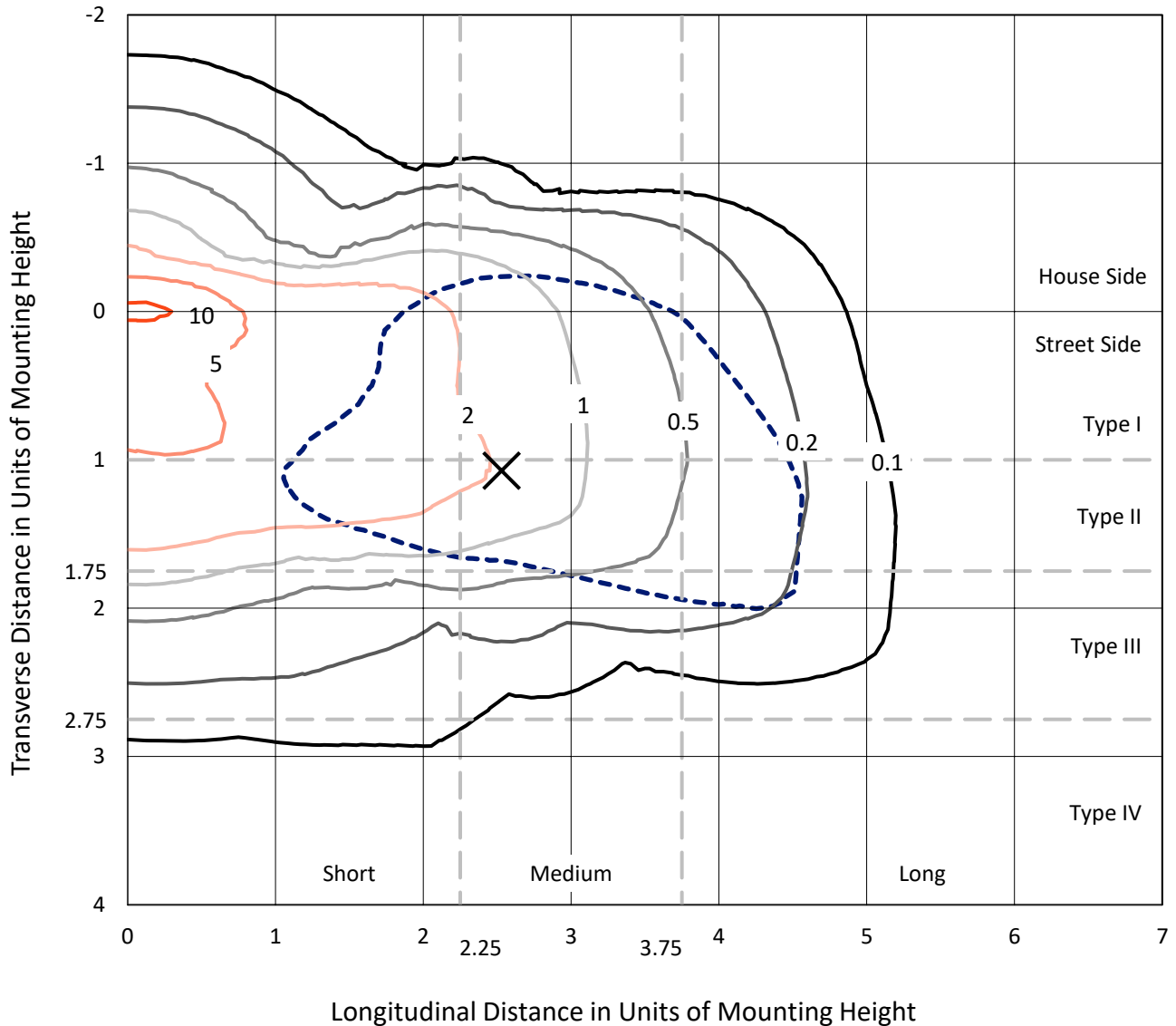
Lumens per Lamp: N/A
Luminaire Lumens: 29890.4 lumens
Efficiency: N/A
Efficacy: 93.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 320
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

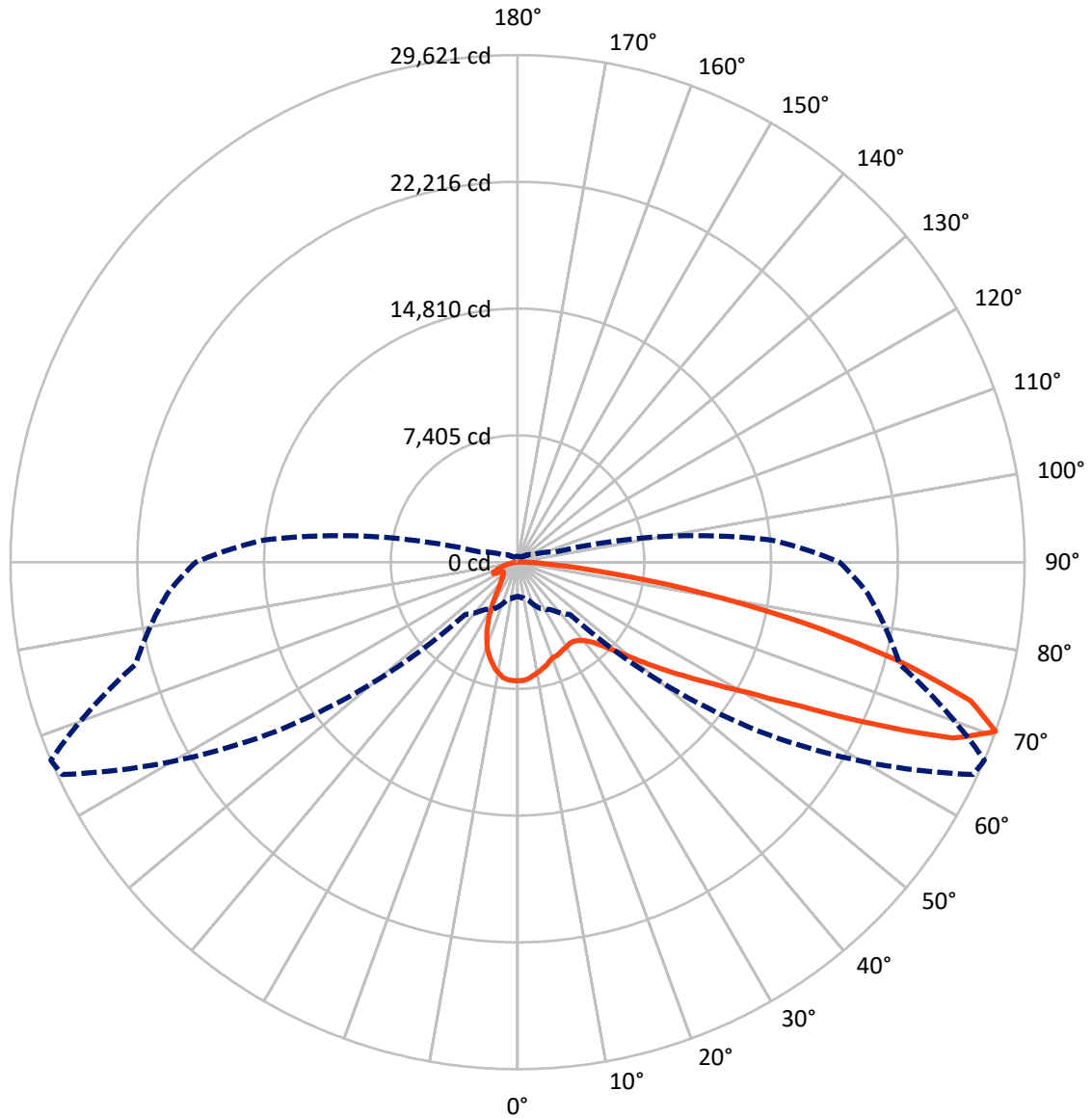
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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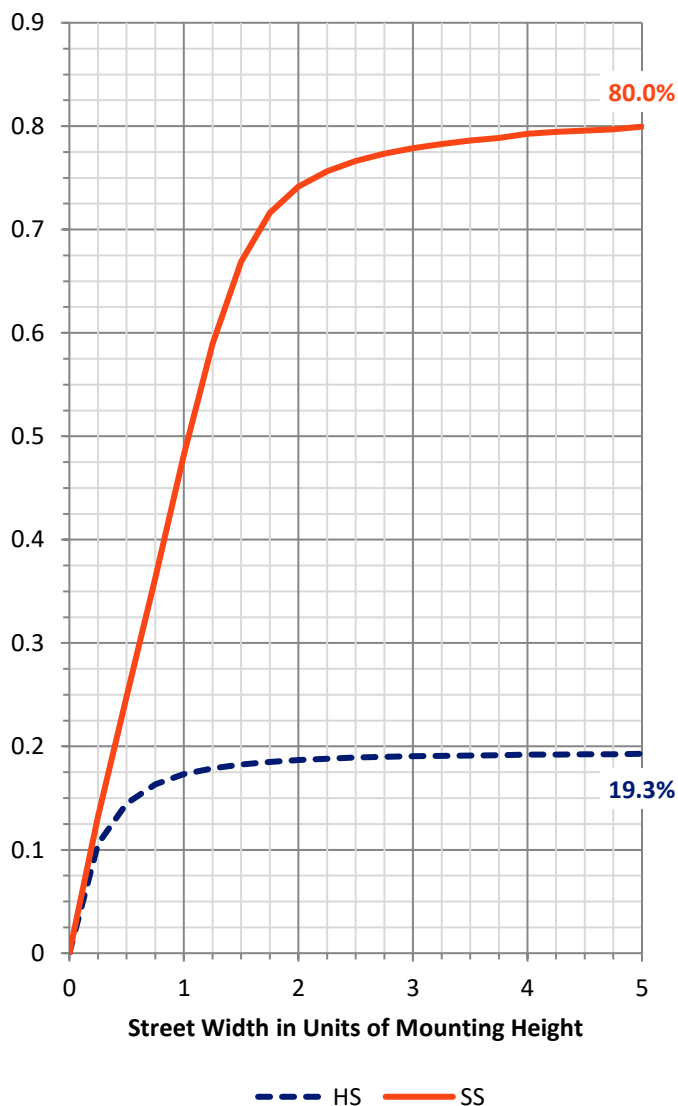
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5821.4	0.0	5821.4
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	24069.0	0.0	24069.0
	% Fixture	80.5	0.0	80.5
Total	Lumens	29890.4	0.0	29890.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	603.7	2.0
10°-20°	1445.9	4.8
20°-30°	1952.6	6.5
30°-40°	2612.8	8.7
40°-50°	3842.1	12.9
50°-60°	5988.8	20.0
60°-70°	7377.3	24.7
70°-80°	5212.7	17.4
80°-90°	854.4	2.9
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°	29890.4	100.0
0°-180°	29890.4	100.0

Coefficient of Utilization



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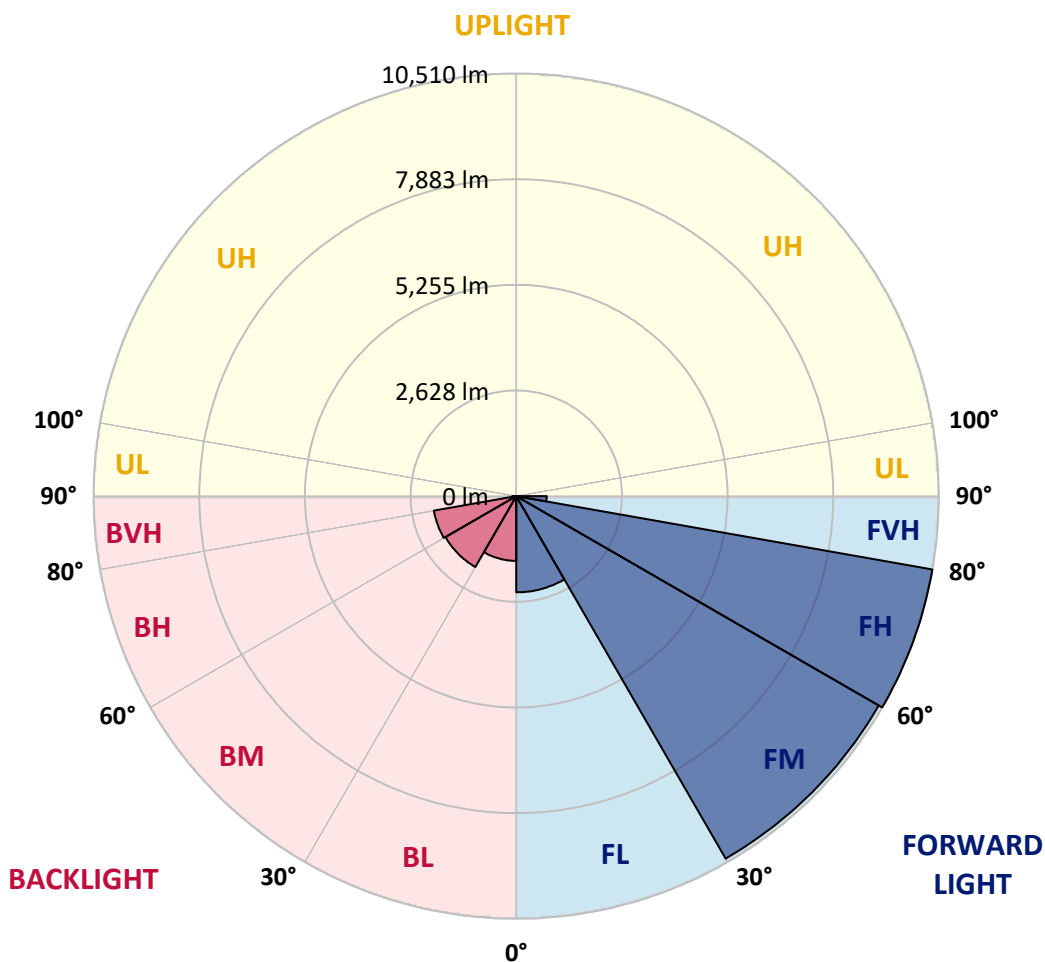
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2392.5	8.0			
FM (30°-60°)	10410.2	34.8			
FH (60°-80°)	10510.5	35.2			G4/12000
FVH (80°-90°)	755.8	2.5			G5
BL (0°-30°)	1609.8	5.4	B3/2500		
BM (30°-60°)	2033.6	6.8	B2/2500		
BH (60°-80°)	2079.5	7.0	B3/2500		G3/2500
BVH (80°-90°)	98.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	6919.5	6919.5	6919.5	6919.5	6919.5	6919.5	6919.5	6919.5	6919.5	6919.5	6919.5
2.5°	6443.0	6515.8	6542.3	6582.0	6684.6	6760.7	6807.0	6860.0	6922.9	6975.8	7008.9
5°	5993.0	6032.7	6095.6	6138.6	6267.6	6472.8	6611.8	6836.8	6830.2	6912.9	7038.7
7.5°	5556.2	5595.9	5625.6	5711.7	5897.0	6082.3	6337.1	6701.1	6674.7	6866.6	7061.8
10°	5284.8	5255.0	5264.9	5410.5	5556.2	5764.6	6085.6	6456.3	6552.2	6850.1	7128.0
12.5°	5030.0	4996.9	5076.3	5169.0	5347.7	5536.3	5920.2	6254.4	6400.0	6790.5	7157.8
15°	4871.1	4848.0	4947.3	4987.0	5198.8	5423.8	5695.1	6102.2	6261.0	6717.7	7111.5
17.5°	4781.8	4801.7	4838.1	4924.1	5059.8	5251.7	5549.5	5999.6	6069.1	6628.3	7101.6
20°	4798.3	4821.5	4824.8	4861.2	4953.9	5102.8	5407.2	5890.4	5936.7	6611.8	7128.0
22.5°	4930.7	4897.6	4910.9	4887.7	4914.2	5030.0	5298.0	5744.8	5923.5	6472.8	7071.8
25°	5129.3	5082.9	5076.3	4996.9	4947.3	4980.4	5278.2	5708.4	5824.2	6429.8	7068.5
27.5°	5480.0	5410.5	5410.5	5291.4	5089.6	5036.6	5221.9	5648.8	5751.4	6390.1	6992.3
30°	5817.6	5817.6	5820.9	5652.1	5427.1	5165.7	5245.1	5625.6	5691.8	6270.9	6889.8
32.5°	6227.9	6218.0	6201.4	6118.7	5771.3	5380.8	5357.6	5595.9	5629.0	6231.2	6860.0
35°	6628.3	6601.9	6730.9	6658.1	6304.0	5801.0	5473.4	5609.1	5681.9	6171.7	6767.3
37.5°	6929.5	6946.0	7214.1	7260.4	6955.9	6277.6	5801.0	5741.5	5811.0	6257.7	6767.3
40°	7320.0	7386.1	7637.6	7793.2	7607.9	6906.3	6320.6	5963.2	6012.8	6449.6	6912.9
42.5°	7832.9	7889.1	8210.1	8412.0	8359.0	7707.1	6833.5	6426.5	6386.8	6770.6	7131.3
45°	8511.3	8521.2	8845.5	9123.5	9232.7	8544.4	7647.6	7012.2	6979.1	7323.3	7531.7
47.5°	9318.7	9308.8	9510.7	9808.5	10103.0	9543.7	8584.1	7902.4	7783.2	8114.2	8196.9
50°	10099.7	10056.7	10103.0	10483.6	11049.4	10794.6	9722.4	8991.1	8872.0	9054.0	9196.3
52.5°	10529.9	10582.8	10457.1	10960.1	12055.4	12273.8	11231.4	10291.6	10189.0	10278.4	10526.6
55°	10228.7	10338.0	10255.2	10731.7	12495.6	14077.4	13183.9	11797.3	11664.9	11631.8	12038.9
57.5°	8948.1	9146.6	9163.2	9917.7	12343.3	15473.8	15930.5	13574.4	13375.8	13038.3	13458.5
60°	6869.9	7068.5	7220.7	8114.2	11039.5	16307.8	19114.0	16102.6	15447.4	14573.7	14825.2
62.5°	4814.9	4950.6	5102.8	5652.1	8511.3	15818.0	21867.2	19663.3	18455.4	16191.9	16506.3
65°	3507.8	3613.6	3769.2	4093.5	5228.5	13087.9	23144.6	23892.4	22747.5	18250.3	18210.5
67.5°	2640.7	2706.9	2912.1	3431.6	3623.6	8084.4	21820.9	28359.9	27433.3	20536.9	19580.6
70°	1998.8	2055.0	2246.9	2958.4	3385.3	4335.1	17214.5	29355.9	29620.7	23101.5	20500.5
72.5°	1376.6	1439.5	1654.6	2465.4	3223.2	3438.3	10804.5	26668.9	27671.6	24157.2	19514.4
75°	843.8	886.9	1012.6	1869.7	3200.0	3362.2	5946.6	21854.0	22916.2	22320.6	17072.2
77.5°	595.7	592.3	615.5	1095.3	2773.1	3382.0	3666.6	16013.2	17045.7	16450.0	11585.5
80°	433.5	436.8	460.0	655.2	1882.9	3438.3	2888.9	10725.1	11032.9	8577.5	4570.0
82.5°	261.4	274.7	330.9	443.4	1131.7	3104.0	2670.5	5959.9	5576.0	2753.3	1257.5
85°	139.0	139.0	195.2	281.3	602.3	2316.4	2571.3	2836.0	2376.0	853.8	466.6
87.5°	33.1	33.1	56.3	112.5	241.6	1108.6	1753.9	1128.4	903.4	287.9	191.9
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°	6919.5	6919.5	6919.5	6919.5	6919.5	6919.5	6919.5	6919.5	6919.5	6919.5	6919.5
2.5°	6995.7	6955.9	7005.6	6906.3	6826.9	6830.2	6707.8	6701.1	6684.6	6598.6	6628.3
5°	7075.1	7042.0	6985.7	6876.5	6701.1	6525.7	6419.9	6284.2	6227.9	6198.1	6211.4
7.5°	7151.2	7091.6	6929.5	6777.2	6505.9	6175.0	5983.0	5801.0	5569.4	5542.9	5496.6
10°	7171.0	7045.3	6836.8	6512.5	6151.8	5784.5	5347.7	5010.1	4831.4	4692.5	4639.5
12.5°	7141.3	7088.3	6687.9	6270.9	5724.9	5149.1	4639.5	4163.0	3832.1	3660.0	3613.6
15°	7138.0	7045.3	6522.4	5903.6	5205.4	4454.2	3729.5	3157.0	2809.5	2667.2	2667.2
17.5°	7141.3	6919.5	6327.2	5533.0	4593.2	3577.2	2779.7	2309.8	2117.9	2098.0	2114.6
20°	7075.1	6826.9	6122.0	5096.2	3825.4	2687.1	2018.6	1826.7	1826.7	1853.2	1863.1
22.5°	7015.5	6687.9	5797.7	4556.8	3044.5	1945.8	1641.4	1585.1	1648.0	1694.3	1714.2
25°	6932.8	6572.1	5466.8	3997.5	2316.4	1568.6	1426.3	1439.5	1499.1	1581.8	1575.2
27.5°	6813.6	6370.2	5073.0	3348.9	1724.1	1353.5	1317.1	1323.7	1386.6	1423.0	1416.3
30°	6678.0	6165.0	4709.0	2703.6	1366.7	1241.0	1237.6	1254.2	1264.1	1284.0	1280.7
32.5°	6505.9	5893.7	4321.8	2101.3	1231.0	1178.1	1164.8	1154.9	1164.8	1161.5	1151.6
35°	6383.5	5748.1	3928.0	1601.7	1154.9	1121.8	1111.9	1095.3	1082.1	1062.3	1058.9
37.5°	6350.4	5602.5	3514.4	1307.1	1095.3	1078.8	1045.7	1015.9	999.4	989.5	982.8
40°	6330.5	5506.5	3110.7	1148.3	1045.7	1029.2	989.5	949.7	933.2	923.3	926.6
42.5°	6400.0	5453.6	2700.3	1068.9	1002.7	972.9	929.9	883.6	880.2	873.6	883.6
45°	6644.9	5519.8	2319.8	1012.6	959.7	910.0	853.8	830.6	827.3	820.7	827.3
47.5°	7200.8	5685.2	1995.4	976.2	913.3	870.3	810.8	777.7	774.4	771.0	771.0
50°	7968.6	6194.8	1724.1	933.2	883.6	824.0	767.7	731.3	724.7	711.5	711.5
52.5°	9173.1	7051.9	1561.9	910.0	830.6	781.0	721.4	681.7	665.1	651.9	651.9
55°	10529.9	8114.2	1532.2	870.3	774.4	728.0	675.1	635.4	618.8	602.3	595.7
57.5°	12075.3	9520.6	1744.0	843.8	734.6	675.1	615.5	579.1	565.9	549.3	542.7
60°	13514.8	10923.7	2402.5	804.1	698.2	625.4	565.9	529.5	512.9	496.4	496.4
62.5°	15179.3	12661.0	3517.7	804.1	665.1	572.5	512.9	486.5	476.5	460.0	456.7
65°	17148.3	14457.9	4331.7	853.8	655.2	526.2	463.3	436.8	426.9	417.0	413.7
67.5°	18647.4	15490.4	3726.2	986.1	698.2	486.5	413.7	397.1	390.5	380.6	373.9
70°	18806.2	14861.6	2246.9	1065.6	741.3	446.7	370.6	354.1	354.1	344.2	337.5
72.5°	17379.9	13187.2	1512.3	949.7	671.8	400.4	327.6	314.4	307.8	301.1	297.8
75°	14543.9	11185.1	1194.6	757.8	516.2	330.9	284.6	271.4	261.4	258.1	251.5
77.5°	9768.8	7270.3	883.6	592.3	380.6	268.0	238.3	225.0	215.1	211.8	201.9
80°	3752.6	2769.8	569.2	430.2	268.0	211.8	188.6	175.4	168.8	158.8	152.2
82.5°	1105.3	896.8	317.7	264.7	172.1	145.6	135.7	125.7	115.8	105.9	102.6
85°	456.7	410.3	195.2	139.0	105.9	86.0	79.4	69.5	59.6	52.9	46.3
87.5°	211.8	175.4	89.3	52.9	36.4	19.9	9.9	3.3	0.0	0.0	0.0
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)