

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: P478031

Luminaire Tested: **IFLD-L-SA8B-722-U-T4FT**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P478031
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-T4FT
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens
Light Source: (128) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

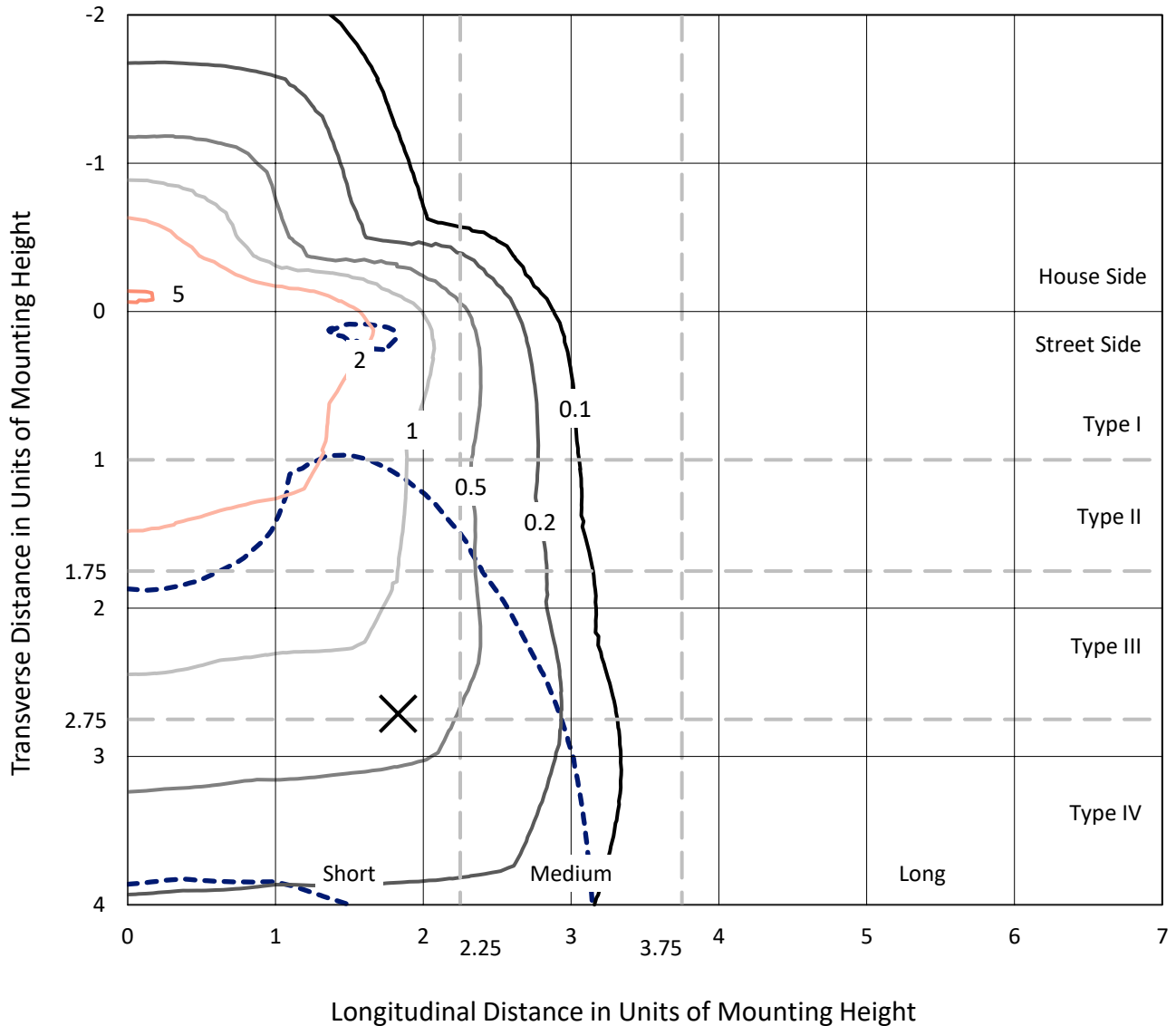
Lumens per Lamp: N/A
Luminaire Lumens: 30712.9 lumens
Efficiency: N/A
Efficacy: 96.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

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

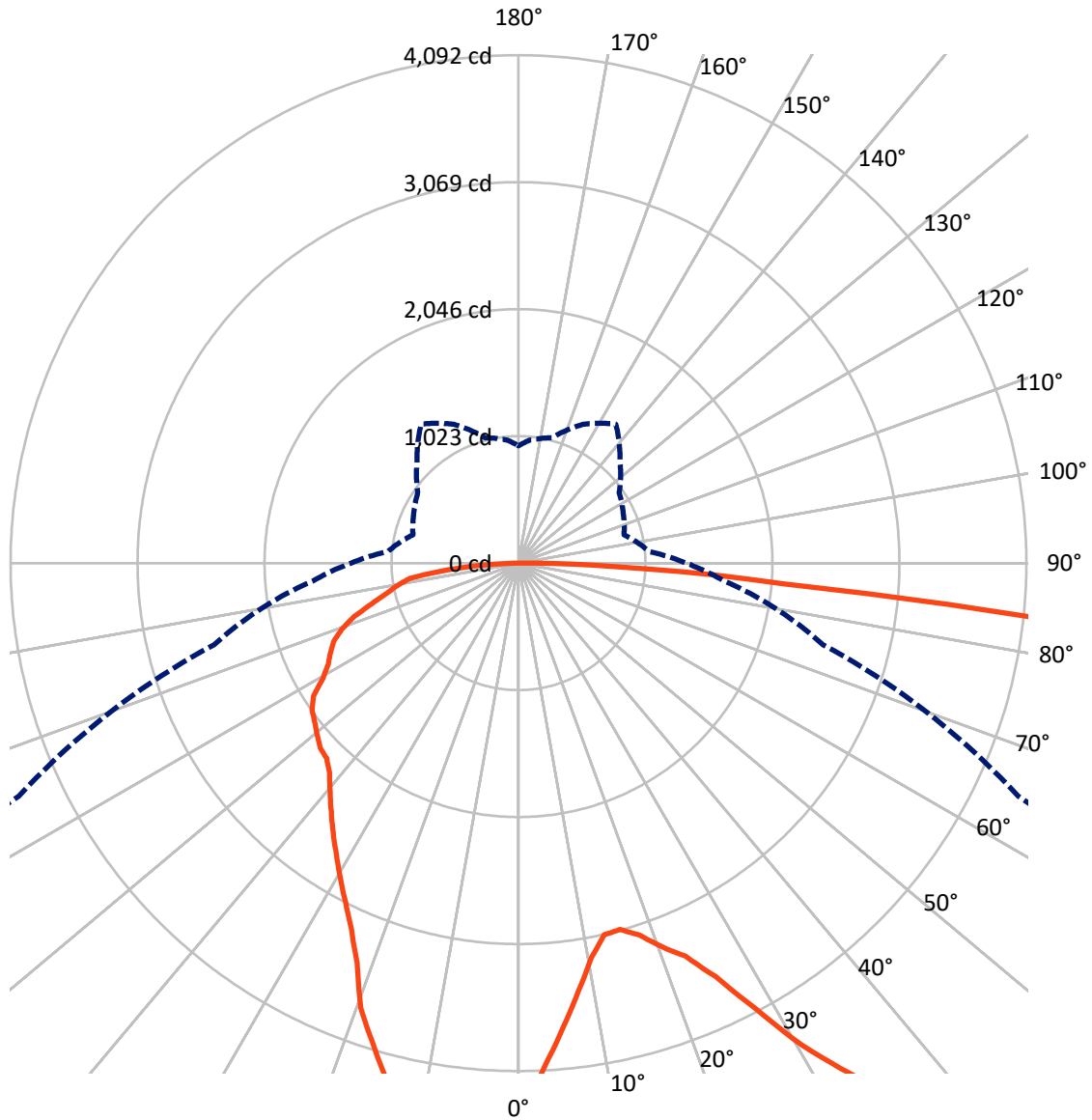
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.1 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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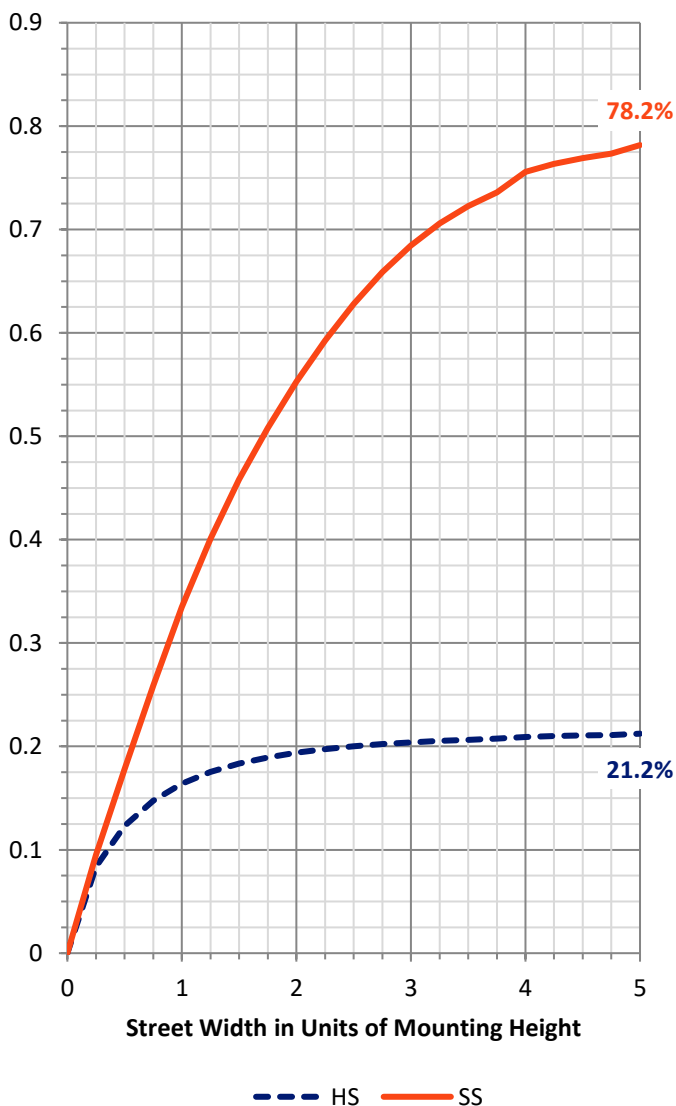
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6634.4	0.0	6634.4
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	24078.5	0.0	24078.5
	% Fixture	78.4	0.0	78.4
Total	Lumens	30712.9	0.0	30712.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	406.4	1.3
10°-20°	1137.3	3.7
20°-30°	1871.9	6.1
30°-40°	2799.4	9.1
40°-50°	4149.9	13.5
50°-60°	5980.5	19.5
60°-70°	7631.9	24.8
70°-80°	5938.9	19.3
80°-90°	796.7	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°	30712.9	100.0
0°-180°	30712.9	100.0

Coefficient of Utilization



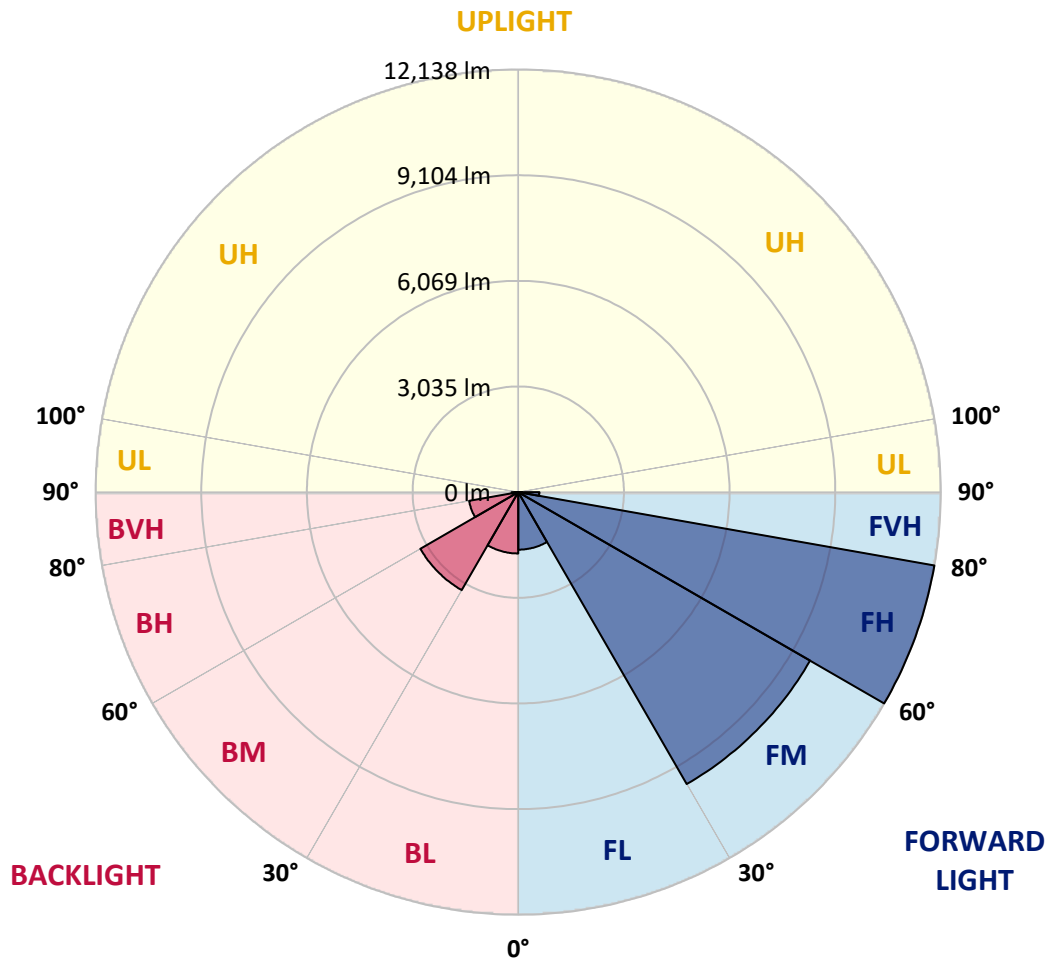
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1652.9	5.4			
FM (30°-60°)	9680.9	31.5			
FH (60°-80°)	12138.3	39.5			G5
FVH (80°-90°)	606.5	2.0			G4/750
BL (0°-30°)	1762.7	5.7	B3/2500		
BM (30°-60°)	3248.9	10.6	B3/5000		
BH (60°-80°)	1432.5	4.7	B3/2500		G3/2500
BVH (80°-90°)	190.3	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-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2
2.5°	3945.3	3958.3	4000.5	4010.3	4055.7	4029.7	4084.9	4182.4	4237.6	4318.7	4416.2
5°	3633.6	3578.4	3604.4	3705.0	3757.0	3770.0	3828.4	3994.0	4097.9	4218.1	4399.9
7.5°	3266.7	3256.9	3308.9	3373.8	3477.7	3487.5	3617.4	3763.5	3977.8	4244.1	4458.4
10°	3016.6	3058.8	3088.1	3156.3	3227.7	3227.7	3393.3	3646.6	3890.1	4146.6	4471.4
12.5°	3003.6	2977.7	2984.2	3019.9	3071.8	3136.8	3292.6	3519.9	3828.4	4127.2	4526.6
15°	3045.9	3055.6	2997.1	3042.6	3062.1	3084.8	3256.9	3513.4	3789.5	4195.4	4620.7
17.5°	3269.9	3214.7	3123.8	3081.6	3149.8	3149.8	3266.7	3468.0	3795.9	4231.1	4757.1
20°	3445.3	3445.3	3295.9	3250.4	3299.1	3289.4	3370.6	3519.9	3828.4	4302.5	4909.7
22.5°	3740.7	3783.0	3536.2	3442.0	3438.8	3464.7	3536.2	3662.8	3919.3	4403.2	5055.9
25°	4166.1	4175.9	3890.1	3792.7	3688.8	3731.0	3744.0	3870.6	4000.5	4520.1	5221.5
27.5°	4640.2	4633.7	4370.7	4127.2	4059.0	4068.7	3997.3	4081.7	4120.7	4555.8	5458.5
30°	5166.3	5107.8	4909.7	4565.5	4510.3	4448.6	4292.8	4289.5	4370.7	4757.1	5786.5
32.5°	5510.5	5435.8	5299.4	5052.6	4900.0	4906.5	4659.7	4656.5	4585.0	4977.9	6072.2
35°	5848.2	5734.5	5698.8	5445.5	5292.9	5309.1	5111.1	5085.1	4955.2	5312.4	6543.1
37.5°	6254.1	6153.4	6208.6	6017.0	5828.7	5750.8	5659.8	5627.4	5458.5	5783.2	7186.0
40°	6702.2	6669.7	6634.0	6539.8	6426.2	6432.7	6335.2	6302.8	6052.7	6351.5	7803.0
42.5°	7306.1	7182.8	6997.7	7059.4	7117.8	7179.5	7147.0	7062.6	6802.8	6929.5	8491.4
45°	7867.9	7705.6	7364.6	7384.1	7624.4	7673.1	8066.0	8056.2	7533.5	7663.3	9273.9
47.5°	8247.8	8173.1	7968.6	7945.8	8290.0	8286.8	8994.7	8994.7	8303.0	8394.0	10115.0
50°	8812.8	8618.0	8530.3	8644.0	8819.3	8939.5	9942.9	10004.6	9059.6	9157.0	11215.7
52.5°	9475.3	9231.7	9010.9	9303.2	9614.9	9692.8	10881.3	10855.3	9640.9	10043.5	12504.9
55°	10024.0	9900.6	9748.0	9916.9	10426.7	10524.1	11823.0	11582.7	10222.1	10777.4	13125.1
57.5°	10663.7	10738.4	10770.9	10728.7	11335.9	11488.5	12897.8	12209.4	10722.2	11271.0	13488.8
60°	11628.1	11673.6	11715.8	11816.5	12459.4	12673.7	13748.5	12995.2	11037.2	11556.7	13518.0
62.5°	13095.9	12920.5	13014.7	13362.1	13878.4	14122.0	15002.0	13547.2	11277.4	11728.8	12563.3
65°	14774.7	14537.6	14440.2	14888.3	16226.1	16031.3	16567.1	13959.6	10930.0	11085.9	10654.0
67.5°	16476.2	16502.2	16252.1	17151.6	18791.4	18791.4	18021.8	14157.7	9988.3	8984.9	7471.8
70°	17827.0	17908.2	18044.6	19788.3	22386.0	22778.9	19824.0	13345.9	8069.2	5981.3	4084.9
72.5°	17807.5	17564.0	18262.1	21473.6	25652.7	25324.7	20200.7	10553.3	5036.4	2929.0	1873.6
73°	17408.1	17203.5	17966.6	21457.3	25785.8	25477.4	19924.7	9728.5	4442.1	2539.3	1665.8
75°	14216.1	13846.0	15144.8	19434.4	23857.0	24094.1	16927.5	6345.0	2435.4	1565.1	1172.2
77.5°	6481.4	6643.7	8335.5	13037.4	18385.5	18664.8	11128.1	2743.9	1334.6	1097.5	863.7
80°	2081.4	2185.4	3243.9	6481.4	11524.2	12027.5	5143.5	1246.9	951.4	841.0	646.2
82.5°	795.6	792.3	1360.6	2695.2	5461.8	5783.2	1880.1	759.8	707.9	620.2	457.9
85°	279.3	292.2	513.1	1065.1	2149.6	2250.3	652.7	422.1	490.3	415.6	263.0
87.5°	97.4	100.7	181.8	386.4	740.4	782.6	181.8	168.9	243.5	240.3	133.1
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°	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2	4403.2
2.5°	4448.6	4477.9	4487.6	4604.5	4604.5	4604.5	4650.0	4650.0	4637.0	4604.5	4682.4
5°	4468.1	4520.1	4620.7	4721.4	4747.4	4770.1	4831.8	4779.8	4799.3	4766.9	4796.1
7.5°	4523.3	4594.8	4783.1	4844.8	4802.6	4851.3	4786.3	4750.6	4714.9	4727.9	4682.4
10°	4617.5	4708.4	4796.1	4909.7	4828.6	4779.8	4646.7	4614.2	4500.6	4461.6	4497.3
12.5°	4734.4	4844.8	4994.2	4951.9	4796.1	4656.5	4513.6	4377.2	4309.0	4211.6	4237.6
15°	4851.3	4977.9	5000.7	4929.2	4734.4	4559.0	4299.3	4107.7	4039.5	3951.8	3997.3
17.5°	4977.9	5098.1	5059.1	4874.0	4611.0	4344.7	4049.2	3860.9	3718.0	3662.8	3662.8
20°	5166.3	5224.7	5163.0	4783.1	4461.6	4110.9	3825.2	3610.9	3468.0	3445.3	3409.5
22.5°	5312.4	5406.5	5130.5	4650.0	4244.1	3805.7	3477.7	3396.5	3354.3	3318.6	3273.2
25°	5500.7	5497.5	5072.1	4526.6	3870.6	3442.0	3243.9	3237.4	3218.0	3205.0	3266.7
27.5°	5679.3	5604.6	5003.9	4221.3	3484.2	3166.0	3058.8	3130.3	3159.5	3140.0	3166.0
30°	5961.8	5838.4	4906.5	3896.6	3143.3	2886.7	2906.2	3003.6	3052.3	3081.6	3042.6
32.5°	6260.6	6072.2	4705.2	3558.9	2841.3	2711.4	2756.9	2857.5	2916.0	2948.4	2984.2
35°	6692.4	6254.1	4500.6	3117.3	2623.7	2604.2	2630.2	2685.4	2769.8	2792.6	2802.3
37.5°	7225.0	6530.1	4224.6	2763.3	2454.9	2477.6	2503.6	2523.1	2526.3	2568.5	2552.3
40°	7757.5	6763.9	3821.9	2425.6	2279.5	2402.9	2389.9	2354.2	2325.0	2286.0	2276.3
42.5°	8225.1	6968.4	3373.8	2139.9	2123.7	2325.0	2282.8	2191.8	2123.7	2094.4	2045.7
45°	8751.1	7257.4	2922.5	1961.3	2003.5	2230.8	2217.8	2078.2	1990.5	1886.6	1873.6
47.5°	9433.0	7559.4	2490.6	1776.2	1889.9	2195.1	2201.6	2023.0	1896.4	1756.7	1737.2
50°	10306.5	7994.5	2162.6	1698.3	1821.7	2143.1	2152.9	1948.3	1782.7	1639.8	1626.8
52.5°	11144.3	8439.4	1889.9	1578.1	1776.2	2081.4	2104.2	1880.1	1688.5	1509.9	1519.7
55°	11566.4	8277.1	1656.1	1490.5	1672.3	1980.8	2065.2	1831.4	1545.7	1422.3	1419.0
57.5°	11660.6	7877.7	1471.0	1399.5	1584.6	1873.6	2000.3	1685.3	1480.7	1376.8	1363.8
60°	11352.1	7179.5	1324.8	1302.1	1474.2	1763.2	1850.9	1607.4	1415.8	1331.3	1311.9
62.5°	10592.3	6455.4	1224.2	1256.7	1380.1	1643.1	1756.7	1552.2	1354.1	1295.6	1253.4
65°	8686.2	5309.1	1143.0	1169.0	1282.6	1526.2	1698.3	1490.5	1298.9	1243.7	1240.4
67.5°	6017.0	3659.6	1078.1	1126.8	1204.7	1441.7	1639.8	1422.3	1227.4	1207.9	1182.0
70°	3081.6	1951.6	993.6	1032.6	1120.3	1334.6	1535.9	1350.8	1152.7	1149.5	1117.0
72.5°	1561.9	1143.0	896.2	954.7	1016.4	1195.0	1406.0	1256.7	1058.6	1022.9	970.9
73°	1350.8	1058.6	880.0	931.9	990.4	1156.0	1367.1	1233.9	1045.6	993.6	944.9
75°	983.9	834.5	789.1	841.0	886.5	1042.3	1237.2	1130.0	961.2	906.0	860.5
77.5°	737.1	642.9	655.9	714.4	753.3	899.5	1100.8	1022.9	870.2	795.6	776.1
80°	542.3	490.3	542.3	597.5	626.7	792.3	1003.4	886.5	733.9	649.4	633.2
82.5°	386.4	357.2	418.9	454.6	467.6	655.9	902.7	707.9	555.3	444.9	409.1
85°	220.8	217.6	282.5	279.3	289.0	383.2	594.2	470.8	357.2	272.8	266.3
87.5°	97.4	107.2	142.9	113.7	120.1	181.8	253.3	175.3	146.1	81.2	61.7
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)