

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: P478408

Luminaire Tested: **IFLD-S-SA6D-722-U-T4W**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P478408
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-722-U-T4W
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

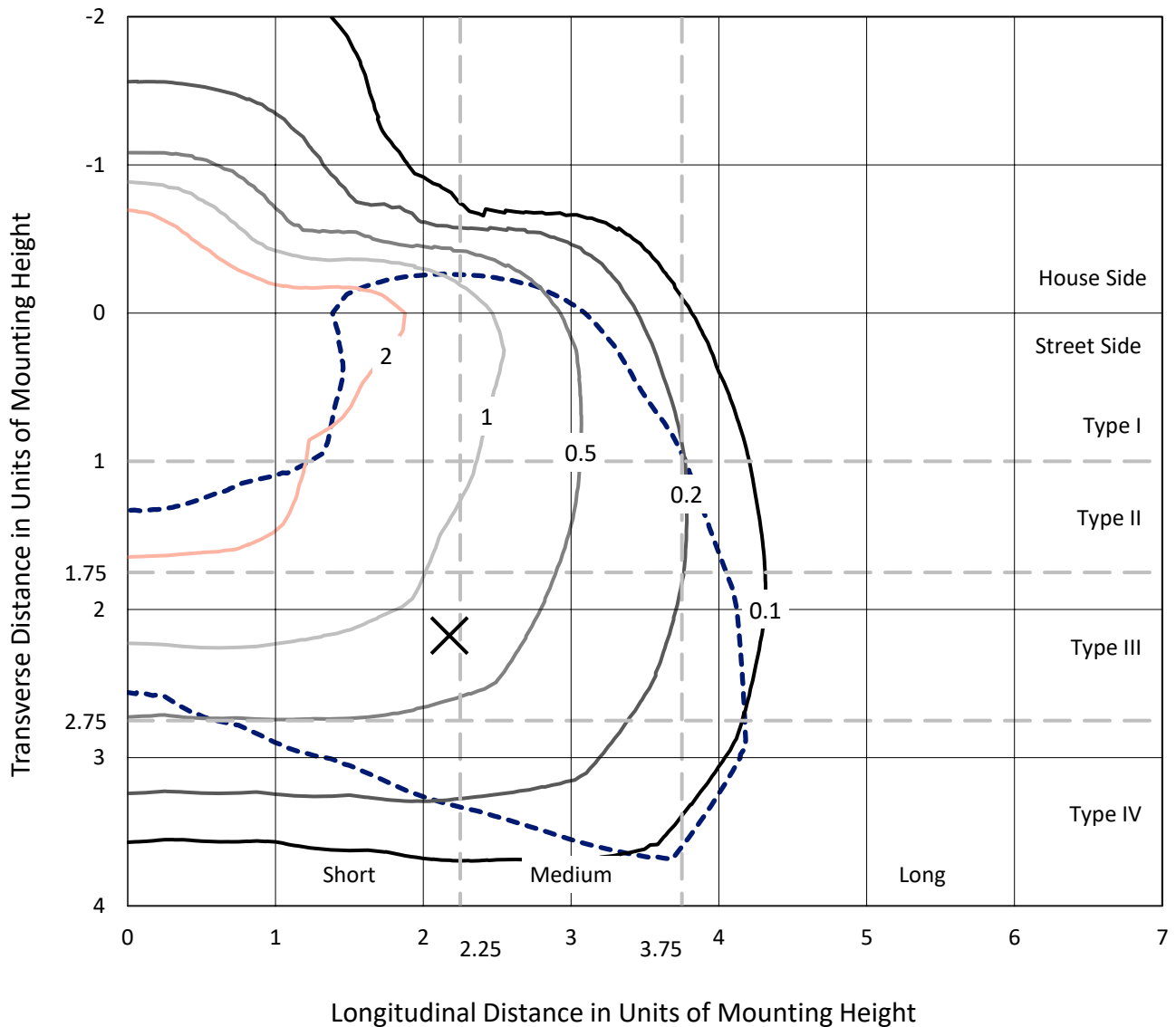
Lumens per Lamp: N/A
Luminaire Lumens: 34041.8 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 368.2
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: P478408
 CATALOG NUMBER: IFLD-S-SA6D-722-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

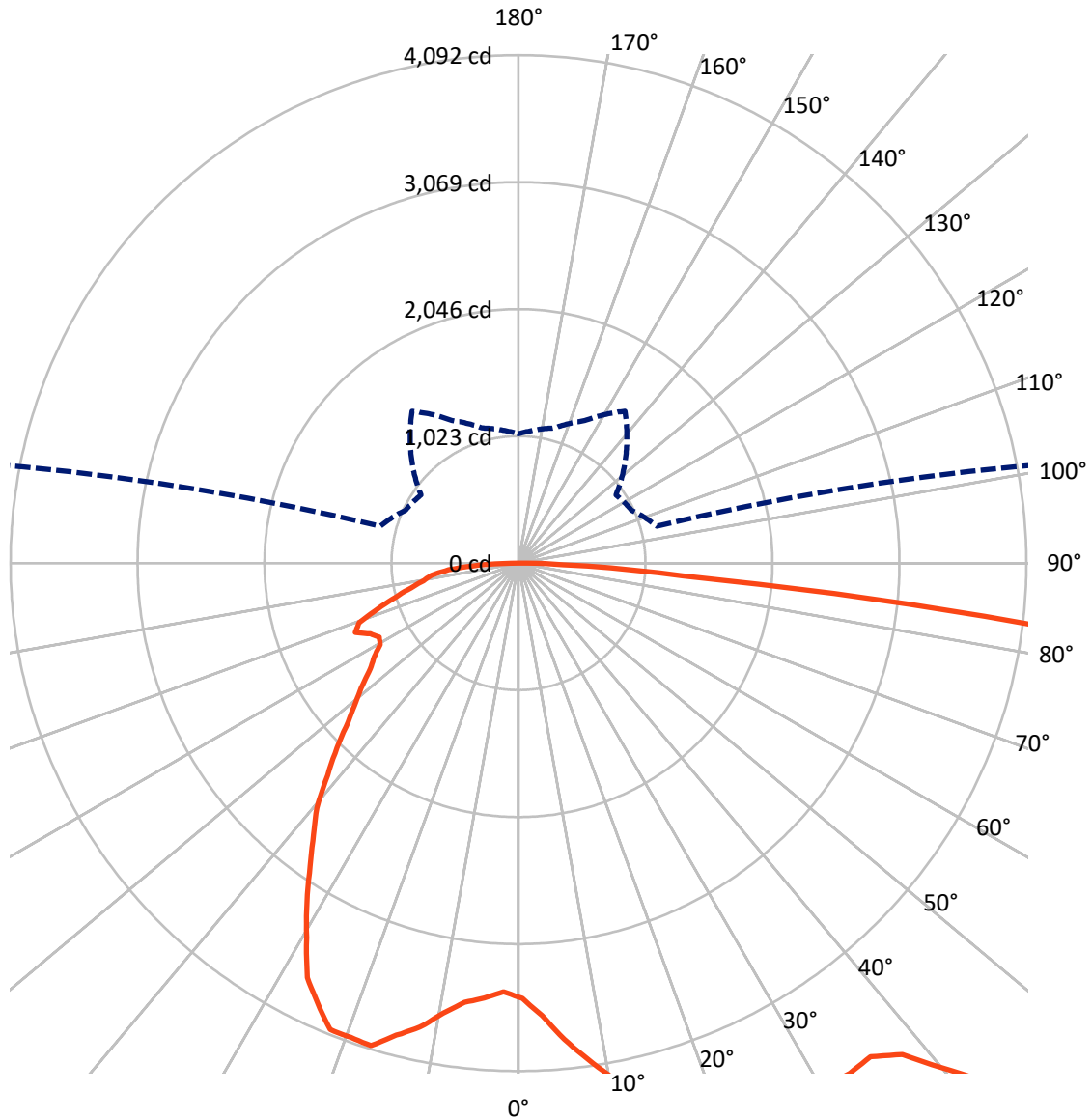
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Short - N/A

REPORT NUMBER: P478408
CATALOG NUMBER: IFLD-S-SA6D-722-U-T4W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

REPORT NUMBER: P478408

CATALOG NUMBER: IFLD-S-SA6D-722-U-T4W

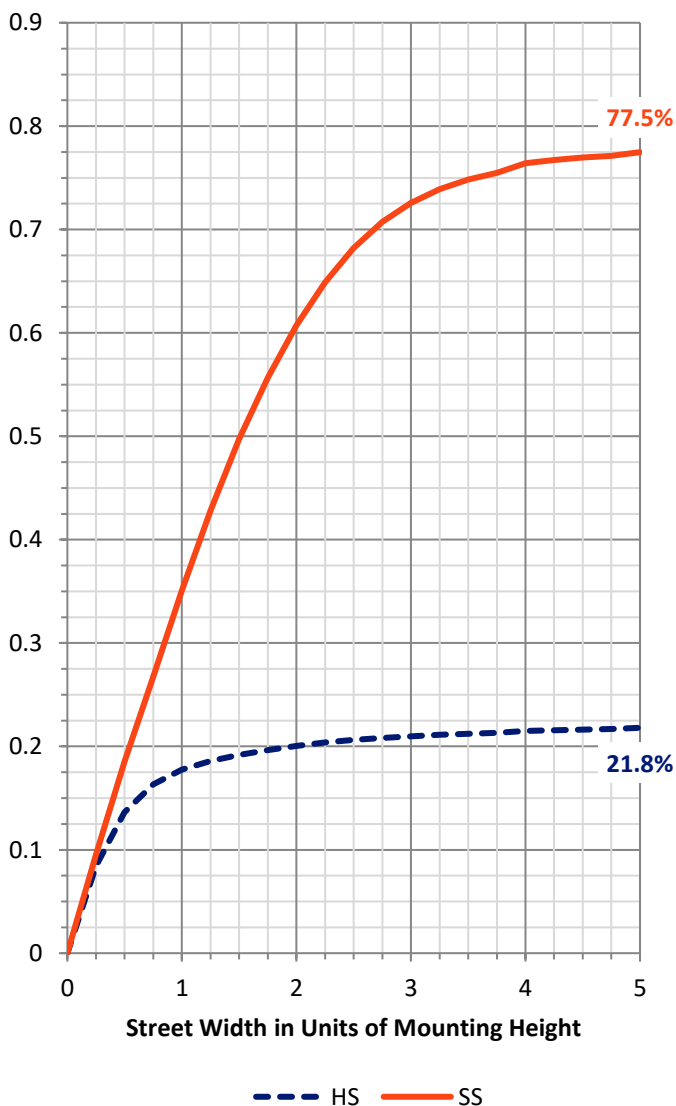
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7577.9	0.0	7577.9
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	26463.9	0.0	26463.9
	% Fixture	77.7	0.0	77.7
Total	Lumens	34041.8	0.0	34041.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.7	1.1
10°-20°	1193.5	3.5
20°-30°	2015.5	5.9
30°-40°	2789.1	8.2
40°-50°	3989.6	11.7
50°-60°	6434.8	18.9
60°-70°	9490.4	27.9
70°-80°	6891.6	20.2
80°-90°	878.5	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°	34041.8	100.0
0°-180°	34041.8	100.0

Coefficient of Utilization



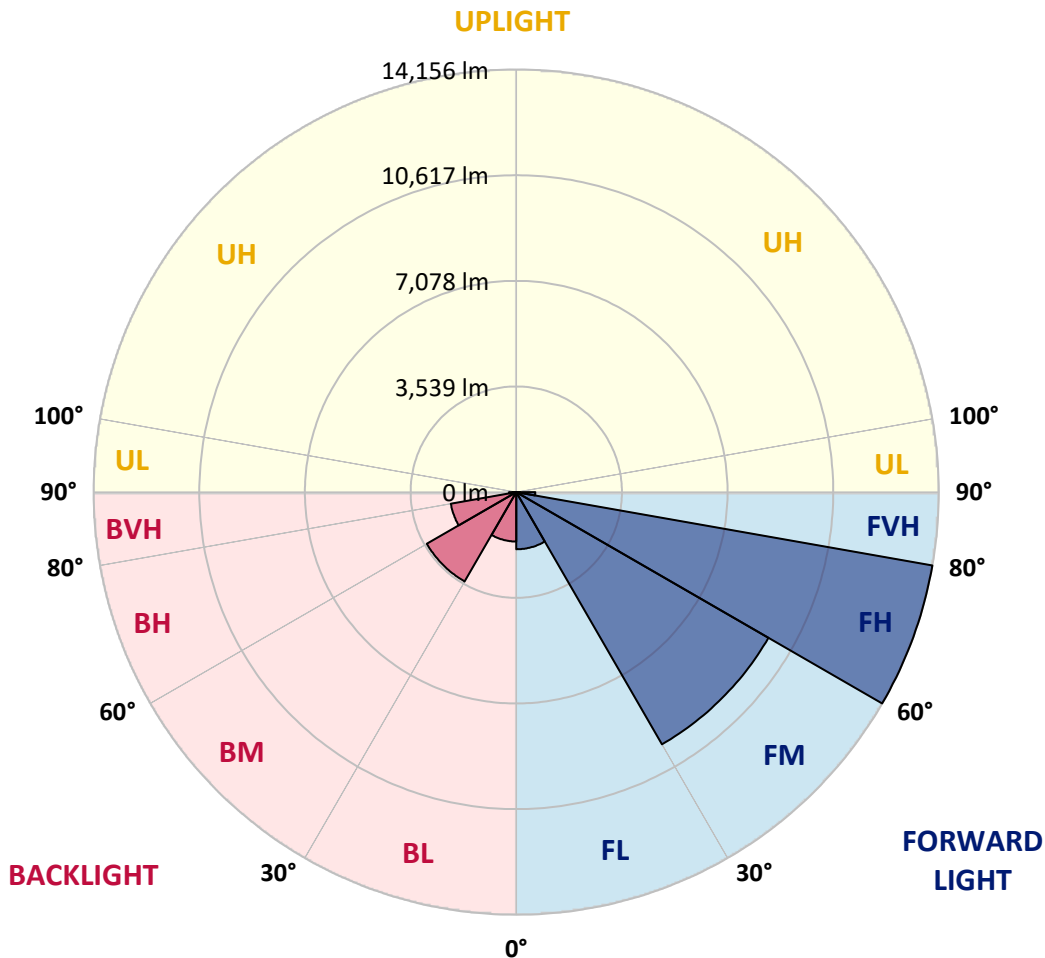
REPORT NUMBER: P478408
 CATALOG NUMBER: IFLD-S-SA6D-722-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1913.2	5.6			
FM (30°-60°)	9755.2	28.7			
FH (60°-80°)	14156.1	41.6			G5
FVH (80°-90°)	639.4	1.9			G4/750
BL (0°-30°)	1654.6	4.9	B3/2500		
BM (30°-60°)	3458.3	10.2	B3/5000		
BH (60°-80°)	2225.9	6.5	B3/2500		G3/2500
BVH (80°-90°)	239.1	0.7			G3/500
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





REPORT NUMBER: P478408

CATALOG NUMBER: IFLD-S-SA6D-722-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	3505.7	3505.7	3505.7	3505.7	3505.7	3505.7	3505.7	3505.7	3505.7	3505.7	3505.7
2.5°	3692.9	3714.9	3692.9	3689.2	3652.5	3626.8	3648.8	3615.8	3579.1	3564.4	3531.4
5°	4030.6	4034.3	3993.9	3997.6	3920.5	3839.7	3854.4	3755.3	3648.8	3608.5	3542.4
7.5°	4375.7	4335.3	4276.6	4258.2	4137.1	4049.0	4038.0	3949.9	3784.7	3692.9	3601.1
10°	4599.6	4614.3	4518.8	4438.1	4335.3	4228.8	4225.2	4060.0	3964.5	3828.7	3711.3
12.5°	4797.8	4801.5	4720.7	4592.3	4463.8	4331.6	4350.0	4276.6	4115.0	3986.6	3869.1
15°	4952.0	4930.0	4841.9	4724.4	4588.6	4485.8	4474.8	4412.4	4276.6	4170.1	3975.6
17.5°	4996.1	4985.0	4896.9	4772.1	4640.0	4562.9	4592.3	4489.5	4434.4	4339.0	4151.8
20°	4911.6	4885.9	4871.2	4731.8	4636.3	4629.0	4603.3	4625.3	4533.5	4445.4	4309.6
22.5°	4757.5	4746.4	4739.1	4629.0	4584.9	4618.0	4662.0	4695.0	4680.4	4595.9	4441.8
25°	4599.6	4651.0	4603.3	4551.9	4614.3	4698.7	4687.7	4794.2	4794.2	4768.5	4640.0
27.5°	4709.7	4676.7	4640.0	4614.3	4636.3	4768.5	4761.1	4889.6	4937.3	4889.6	4742.8
30°	4985.0	4952.0	4845.6	4731.8	4702.4	4845.6	4882.3	4996.1	5018.1	4900.6	4775.8
32.5°	5502.6	5484.3	5315.4	4981.4	4801.5	4882.3	4900.6	5029.1	5010.7	4937.3	4885.9
35°	6269.9	6207.4	5972.5	5407.2	5010.7	4930.0	4882.3	4985.0	5054.8	5018.1	4970.4
37.5°	7110.5	7040.7	6750.7	6034.9	5388.8	5058.5	5021.8	5106.2	5186.9	5168.6	5069.5
40°	7914.4	7914.4	7653.8	6820.5	5950.5	5370.5	5377.8	5282.4	5355.8	5322.8	5341.1
42.5°	8707.3	8677.9	8571.5	7741.9	6552.5	5891.8	5774.3	5535.7	5667.8	5656.8	5682.5
45°	9511.2	9489.2	9459.8	8600.9	7415.2	6596.6	6534.2	6104.7	6225.8	6174.4	6284.5
47.5°	10153.6	10179.3	10179.3	9559.0	8336.6	7536.3	7444.5	6765.4	6996.7	7022.4	7048.1
50°	10700.6	10711.6	10700.6	10473.0	9364.4	8611.9	8424.7	7734.5	7965.8	8167.7	8402.6
52.5°	11456.8	11471.5	11420.1	11332.0	10759.3	9742.5	9533.3	8766.0	9239.6	9452.5	9874.7
55°	12389.2	12279.1	12183.6	12249.7	12099.2	10986.9	10770.3	9830.6	10542.7	10825.4	11669.7
57.5°	12561.7	12657.2	12899.5	13424.4	13641.0	12198.3	12073.5	11137.4	12014.8	12260.7	13670.3
60°	13171.1	13013.2	13607.9	14745.9	14988.2	13776.8	13648.3	12569.1	13479.4	13736.4	15516.8
62.5°	13571.2	13563.9	14444.9	15795.8	16346.4	15414.0	15153.4	14430.2	15061.6	15311.2	17528.4
65°	13453.8	13560.2	15124.0	16412.5	17480.7	17275.1	17124.6	16030.7	16864.0	16842.0	18838.9
67.5°	12381.9	12682.9	14694.5	16856.7	19169.3	19543.7	19496.0	18281.0	18328.7	17862.5	19422.6
70°	10895.2	10792.4	12877.4	16394.1	20013.6	22234.5	22223.5	19954.9	19646.5	18086.4	17748.7
72°	8369.6	8255.8	9970.1	14077.8	19569.4	23310.0	23640.4	21114.9	19631.8	17157.7	14661.5
72.5°	7598.7	7499.6	9206.6	13251.9	19077.5	23589.0	23434.9	21158.9	19477.7	16720.8	13696.0
75°	3498.3	3384.5	4599.6	8112.6	14881.7	20902.0	21426.9	19800.7	17010.8	13310.6	8204.4
77.5°	1042.5	1009.5	1479.4	3274.4	8648.6	15399.3	15601.2	14940.5	11875.3	7290.4	3043.2
80°	580.0	583.7	763.5	1226.1	3803.0	8901.9	9628.7	9228.6	5825.7	2408.1	1013.2
82.5°	323.0	341.4	477.2	726.8	1747.3	4085.7	4397.7	4239.9	2107.1	1130.6	554.3
85°	168.9	176.2	249.6	389.1	991.1	1292.1	1328.9	1424.3	1093.9	770.9	297.3
87.5°	66.1	66.1	91.8	161.5	367.1	400.1	359.7	436.8	627.7	499.2	146.8
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: P478408
 CATALOG NUMBER: IFLD-S-SA6D-722-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3505.7	3505.7	3505.7	3505.7	3505.7	3505.7	3505.7	3505.7	3505.7	3505.7	3505.7
2.5°	3560.7	3531.4	3527.7	3480.0	3494.7	3454.3	3458.0	3450.6	3454.3	3447.0	3428.6
5°	3542.4	3520.4	3458.0	3498.3	3461.6	3513.0	3553.4	3538.7	3549.7	3546.1	3549.7
7.5°	3568.1	3538.7	3531.4	3509.4	3542.4	3564.4	3597.5	3689.2	3681.9	3692.9	3714.9
10°	3645.2	3612.1	3590.1	3623.2	3604.8	3674.5	3711.3	3759.0	3843.4	3847.1	3803.0
12.5°	3795.7	3773.7	3729.6	3736.9	3799.4	3821.4	3843.4	3872.8	3927.8	3916.8	3957.2
15°	3968.2	3920.5	3894.8	3887.5	3902.1	3927.8	3924.2	3953.5	3982.9	4008.6	3997.6
17.5°	4093.0	4030.6	4038.0	4074.7	4071.0	4063.7	4015.9	4001.3	4015.9	4030.6	4023.3
20°	4221.5	4228.8	4173.8	4140.7	4126.1	4052.6	4015.9	3971.9	3927.8	3949.9	3982.9
22.5°	4383.0	4350.0	4269.2	4170.1	4096.7	4052.6	3938.8	3861.8	3861.8	3883.8	3872.8
25°	4566.6	4496.8	4357.3	4177.5	4085.7	3898.5	3817.7	3806.7	3777.3	3810.4	3825.1
27.5°	4709.7	4647.3	4456.4	4151.8	3898.5	3748.0	3700.2	3685.6	3733.3	3736.9	3795.7
30°	4768.5	4750.1	4471.1	4085.7	3707.6	3465.3	3435.9	3502.0	3553.4	3630.5	3634.2
32.5°	4845.6	4852.9	4493.1	3931.5	3458.0	3215.7	3171.6	3252.4	3399.2	3461.6	3509.4
35°	4974.0	5010.7	4474.8	3740.6	3193.7	2962.4	2955.1	2977.1	3120.2	3230.4	3292.8
37.5°	5198.0	5190.6	4471.1	3513.0	2984.4	2742.1	2683.4	2690.8	2786.2	2878.0	2867.0
40°	5499.0	5469.6	4460.1	3215.7	2712.8	2554.9	2455.8	2419.1	2411.8	2386.1	2393.4
42.5°	5910.1	5851.4	4456.4	2914.7	2466.8	2298.0	2228.2	2132.8	2063.0	1930.9	1938.2
45°	6482.8	6380.0	4361.0	2632.0	2224.5	2085.1	1978.6	1908.9	1758.3	1593.2	1593.2
47.5°	7367.4	7033.4	4364.7	2320.0	1989.6	1875.8	1802.4	1681.3	1519.7	1387.6	1372.9
50°	8670.6	7907.1	4239.9	2074.0	1798.7	1721.6	1644.6	1505.1	1350.9	1259.1	1270.1
52.5°	10351.9	9210.2	4236.2	1853.8	1648.2	1593.2	1508.7	1383.9	1270.1	1211.4	1189.4
55°	12356.2	10935.5	4368.3	1673.9	1494.0	1464.7	1428.0	1325.2	1215.1	1163.7	1160.0
57.5°	14408.2	12620.5	4581.3	1545.4	1361.9	1383.9	1358.2	1277.5	1189.4	1130.6	1123.3
60°	16232.6	13956.7	4151.8	1391.3	1244.4	1292.1	1328.9	1259.1	1211.4	1207.7	1182.0
62.5°	17609.2	14529.3	3157.0	1273.8	1182.0	1270.1	1369.2	1413.3	1391.3	1420.6	1424.3
65°	18112.1	14184.3	2173.2	1211.4	1134.3	1321.5	1541.8	1527.1	1398.6	1343.5	1372.9
67.5°	17407.3	12785.7	1611.5	1138.0	1101.3	1428.0	1640.9	1457.3	1262.8	1255.4	1233.4
70°	14969.8	10836.4	1314.2	1060.9	1046.2	1369.2	1596.8	1350.9	1189.4	1141.6	1119.6
72°	11926.7	8439.3	1152.7	1005.8	958.1	1222.4	1494.0	1266.5	1127.0	1068.2	1042.5
72.5°	10887.8	7822.6	1130.6	980.1	939.7	1189.4	1442.7	1240.8	1112.3	1060.9	1020.5
75°	5972.5	4004.9	994.8	899.4	792.9	1027.8	1336.2	1163.7	1049.9	976.5	969.1
77.5°	2220.9	1552.8	859.0	796.6	686.5	888.4	1215.1	1104.9	954.4	862.7	844.3
80°	851.6	818.6	701.1	671.8	576.3	778.2	1119.6	991.1	811.3	719.5	690.1
82.5°	517.6	477.2	532.3	524.9	440.5	708.5	1053.5	928.7	719.5	583.7	565.3
85°	282.7	282.7	370.8	356.1	308.4	565.3	796.6	616.7	455.2	374.4	381.8
87.5°	124.8	146.8	198.2	187.2	168.9	319.4	389.1	326.7	227.6	154.2	165.2
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)