

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: P478417

Luminaire Tested: **IFLD-L-SA7C-722-U-T4W**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P478417
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-722-U-T4W
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

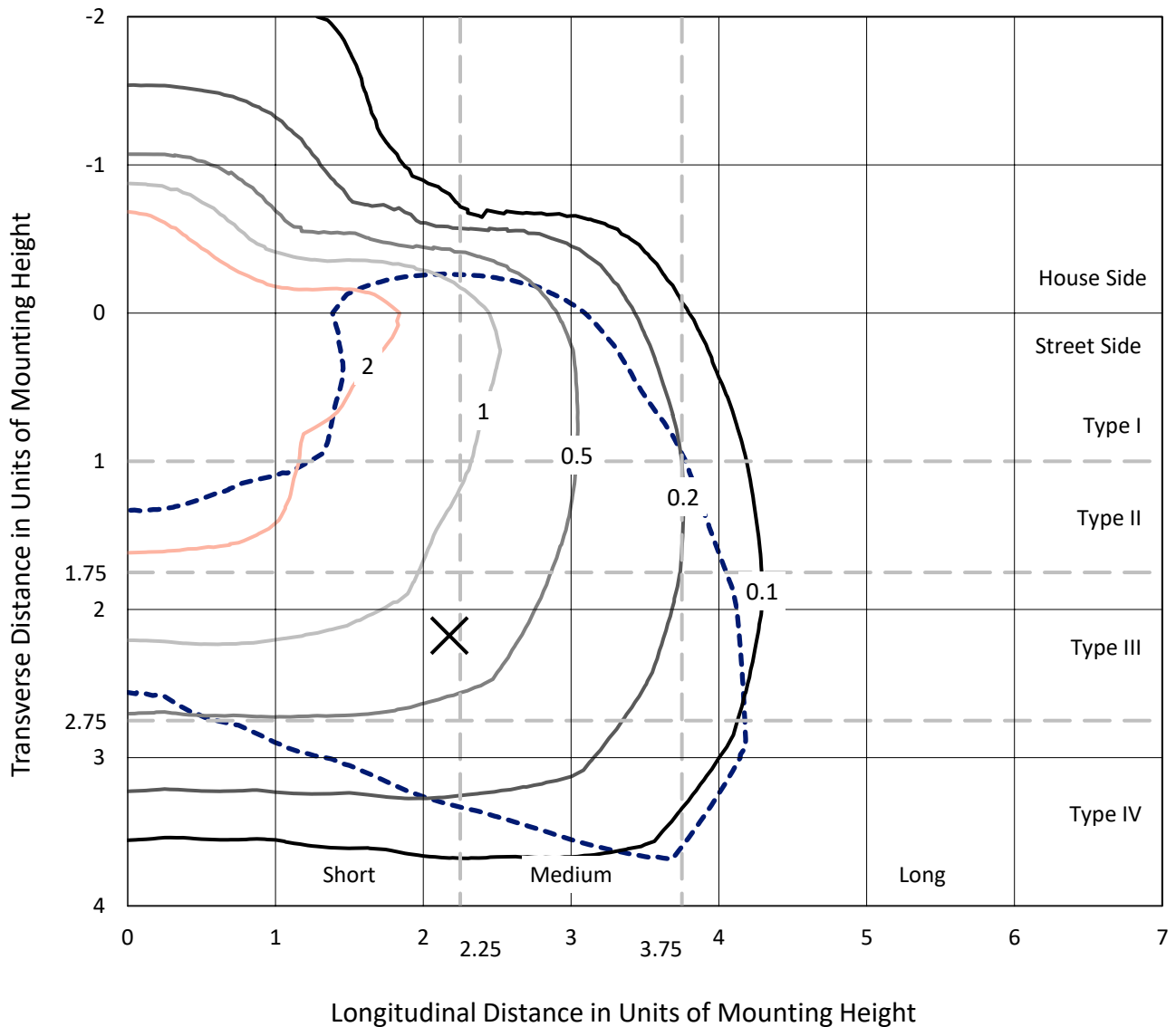
Lumens per Lamp: N/A
Luminaire Lumens: 33006.1 lumens
Efficiency: N/A
Efficacy: 89.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 369
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

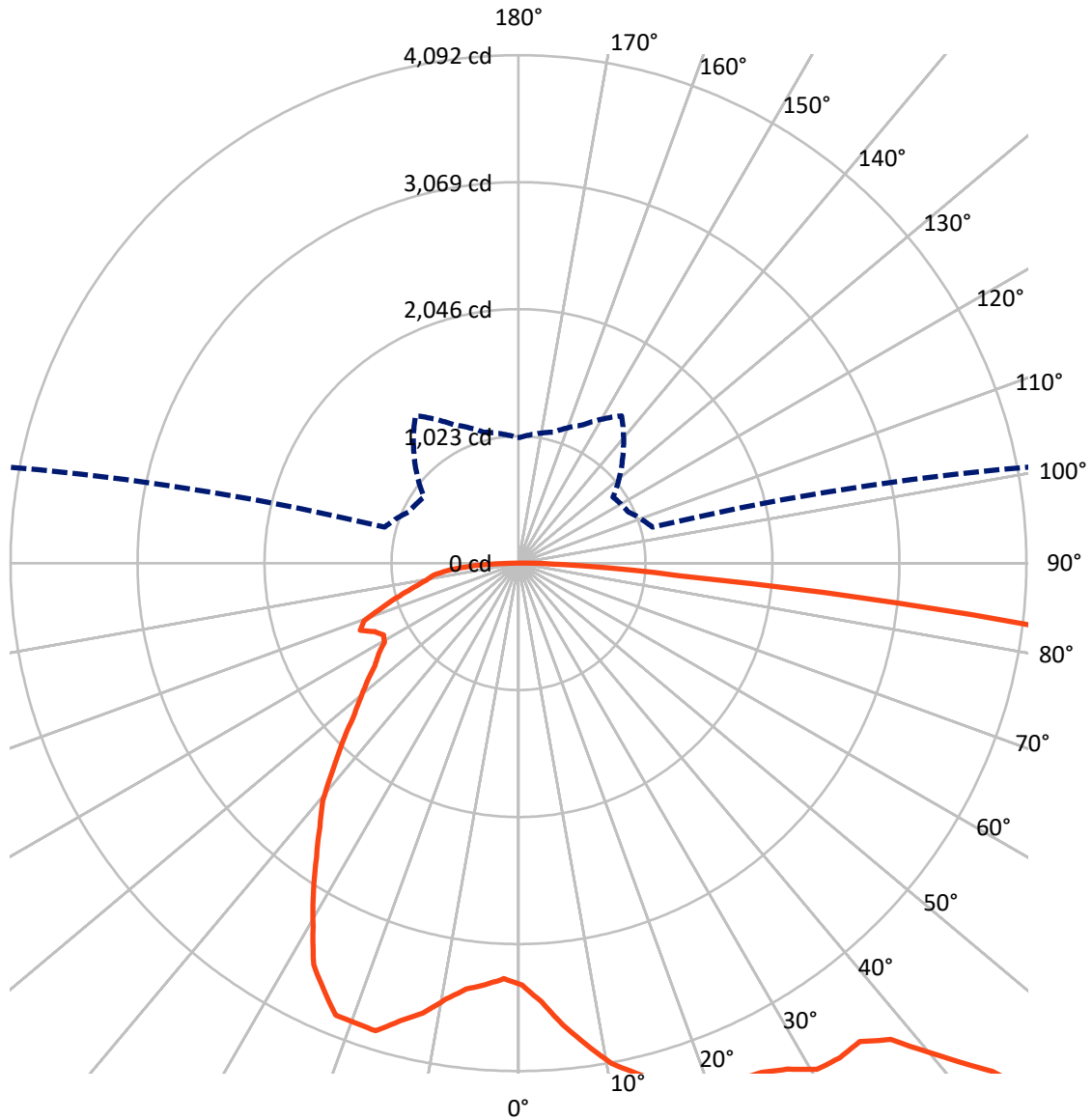
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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

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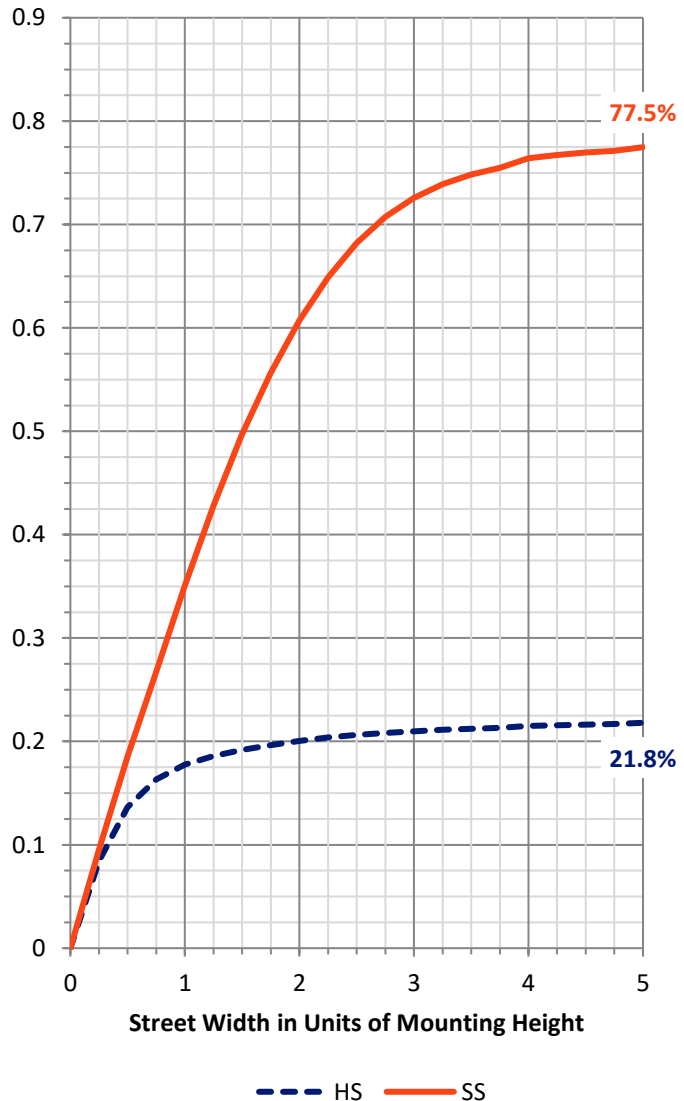
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7347.4	0.0	7347.4
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	25658.8	0.0	25658.8
	% Fixture	77.7	0.0	77.7
Total	Lumens	33006.1	0.0	33006.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	347.8	1.1
10°-20°	1157.2	3.5
20°-30°	1954.2	5.9
30°-40°	2704.3	8.2
40°-50°	3868.2	11.7
50°-60°	6239.0	18.9
60°-70°	9201.6	27.9
70°-80°	6682.0	20.2
80°-90°	851.8	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°	33006.1	100.0
0°-180°	33006.1	100.0

Coefficient of Utilization

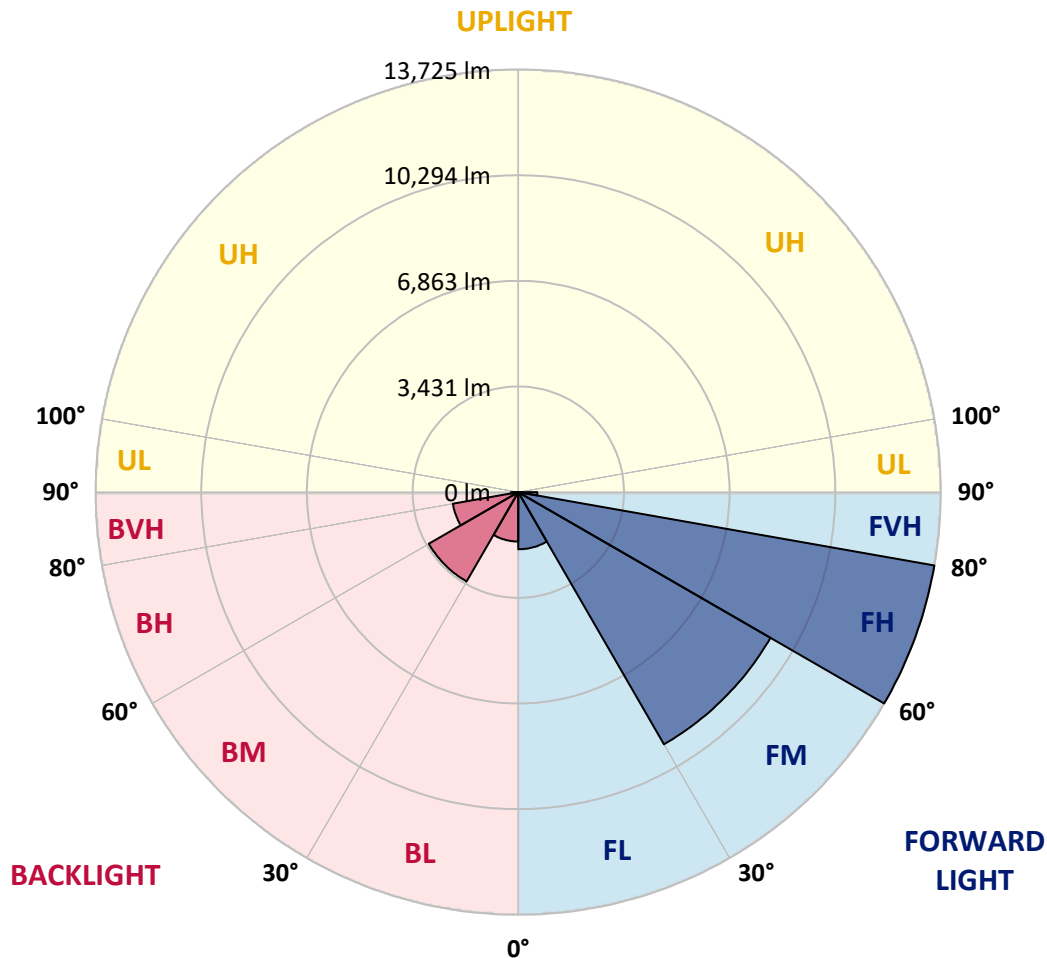


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1855.0	5.6			
FM (30°-60°)	9458.4	28.7			
FH (60°-80°)	13725.4	41.6			G5
FVH (80°-90°)	620.0	1.9			G4/750
BL (0°-30°)	1604.2	4.9	B3/2500		
BM (30°-60°)	3353.1	10.2	B3/5000		
BH (60°-80°)	2158.2	6.5	B3/2500		G3/2500
BVH (80°-90°)	231.8	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	3399.0	3399.0	3399.0	3399.0	3399.0	3399.0	3399.0	3399.0	3399.0	3399.0	3399.0
2.5°	3580.6	3601.9	3580.6	3577.0	3541.4	3516.5	3537.8	3505.8	3470.2	3456.0	3423.9
5°	3908.0	3911.6	3872.4	3876.0	3801.2	3722.9	3737.2	3641.1	3537.8	3498.7	3434.6
7.5°	4242.6	4203.4	4146.5	4128.7	4011.2	3925.8	3915.1	3829.7	3669.5	3580.6	3491.6
10°	4459.7	4473.9	4381.4	4303.1	4203.4	4100.2	4096.6	3936.5	3843.9	3712.2	3598.3
12.5°	4651.9	4655.4	4577.1	4452.6	4328.0	4199.9	4217.6	4146.5	3989.9	3865.3	3751.4
15°	4801.4	4780.0	4694.6	4580.7	4449.0	4349.3	4338.7	4278.2	4146.5	4043.2	3854.6
17.5°	4844.1	4833.4	4748.0	4627.0	4498.8	4424.1	4452.6	4352.9	4299.5	4207.0	4025.5
20°	4762.2	4737.3	4723.1	4587.8	4495.3	4488.1	4463.2	4484.6	4395.6	4310.2	4178.5
22.5°	4612.7	4602.0	4594.9	4488.1	4445.4	4477.5	4520.2	4552.2	4538.0	4456.1	4306.6
25°	4459.7	4509.5	4463.2	4413.4	4473.9	4555.8	4545.1	4648.3	4648.3	4623.4	4498.8
27.5°	4566.4	4534.4	4498.8	4473.9	4495.3	4623.4	4616.3	4740.8	4787.1	4740.8	4598.5
30°	4833.4	4801.4	4698.1	4587.8	4559.3	4698.1	4733.7	4844.1	4865.4	4751.5	4630.5
32.5°	5335.2	5317.4	5153.7	4829.8	4655.4	4733.7	4751.5	4876.1	4858.3	4787.1	4737.3
35°	6079.1	6018.6	5790.8	5242.7	4858.3	4780.0	4733.7	4833.4	4901.0	4865.4	4819.2
37.5°	6894.2	6826.5	6545.4	5851.3	5224.9	4904.6	4869.0	4950.8	5029.1	5011.3	4915.2
40°	7673.6	7673.6	7420.9	6613.0	5769.5	5207.1	5214.2	5121.7	5192.9	5160.8	5178.6
42.5°	8442.4	8413.9	8310.7	7506.3	6353.2	5712.5	5598.6	5367.3	5495.4	5484.7	5509.6
45°	9221.9	9200.5	9172.0	8339.2	7189.6	6395.9	6335.4	5918.9	6036.4	5986.6	6093.3
47.5°	9844.7	9869.7	9869.7	9268.1	8082.9	7307.0	7218.0	6559.6	6783.8	6808.7	6833.7
50°	10375.1	10385.7	10375.1	10154.4	9079.5	8349.9	8168.4	7499.2	7723.5	7919.2	8147.0
52.5°	11108.3	11122.5	11072.7	10987.2	10432.0	9446.1	9243.2	8499.4	8958.5	9164.9	9574.2
55°	12012.3	11905.5	11813.0	11877.0	11731.1	10652.7	10442.7	9531.5	10222.0	10496.1	11314.7
57.5°	12179.6	12272.1	12507.0	13016.0	13226.0	11827.2	11706.2	10798.6	11649.2	11887.7	13254.4
60°	12770.4	12617.3	13193.9	14297.3	14532.2	13357.7	13233.1	12186.7	13069.4	13318.5	15044.7
62.5°	13158.3	13151.2	14005.4	15315.2	15849.1	14945.1	14692.4	13991.2	14603.4	14845.4	16995.2
65°	13044.5	13147.7	14663.9	15913.2	16948.9	16749.6	16603.6	15543.0	16350.9	16329.6	18265.8
67.5°	12005.2	12297.0	14247.5	16343.8	18586.1	18949.2	18902.9	17724.8	17771.1	17319.0	18831.7
70°	10563.7	10464.0	12485.7	15895.4	19404.7	21558.0	21547.4	19347.8	19048.8	17536.2	17208.7
72°	8115.0	8004.6	9666.8	13649.5	18974.1	22600.9	22921.2	20472.5	19034.6	16635.7	14215.4
72.5°	7367.5	7271.4	8926.5	12848.7	18497.1	22871.4	22721.9	20515.2	18885.1	16212.1	13279.4
75°	3391.9	3281.6	4459.7	7865.8	14429.0	20266.1	20775.0	19198.3	16493.3	12905.6	7954.8
77.5°	1010.8	978.8	1434.4	3174.8	8385.5	14930.8	15126.6	14485.9	11514.0	7068.6	2950.6
80°	562.4	565.9	740.3	1188.8	3687.3	8631.0	9335.8	8947.8	5648.4	2334.8	982.3
82.5°	313.2	331.0	462.7	704.7	1694.2	3961.4	4263.9	4110.9	2043.0	1096.2	537.4
85°	163.7	170.8	242.0	377.3	961.0	1252.8	1288.4	1381.0	1060.6	747.4	288.3
87.5°	64.1	64.1	89.0	156.6	355.9	388.0	348.8	423.5	608.6	484.1	142.4
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°	3399.0	3399.0	3399.0	3399.0	3399.0	3399.0	3399.0	3399.0	3399.0	3399.0	3399.0
2.5°	3452.4	3423.9	3420.4	3374.1	3388.4	3349.2	3352.8	3345.6	3349.2	3342.1	3324.3
5°	3434.6	3413.3	3352.8	3391.9	3356.3	3406.2	3445.3	3431.1	3441.7	3438.2	3441.7
7.5°	3459.5	3431.1	3423.9	3402.6	3434.6	3456.0	3488.0	3577.0	3569.9	3580.6	3601.9
10°	3534.3	3502.2	3480.9	3512.9	3495.1	3562.8	3598.3	3644.6	3726.5	3730.0	3687.3
12.5°	3680.2	3658.9	3616.1	3623.3	3683.8	3705.1	3726.5	3755.0	3808.3	3797.7	3836.8
15°	3847.5	3801.2	3776.3	3769.2	3783.4	3808.3	3804.8	3833.3	3861.7	3886.6	3876.0
17.5°	3968.5	3908.0	3915.1	3950.7	3947.1	3940.0	3893.8	3879.5	3893.8	3908.0	3900.9
20°	4093.1	4100.2	4046.8	4014.8	4000.5	3929.4	3893.8	3851.0	3808.3	3829.7	3861.7
22.5°	4249.7	4217.6	4139.3	4043.2	3972.1	3929.4	3819.0	3744.3	3744.3	3765.6	3755.0
25°	4427.6	4360.0	4224.8	4050.4	3961.4	3779.9	3701.6	3690.9	3662.4	3694.4	3708.7
27.5°	4566.4	4505.9	4320.9	4025.5	3779.9	3633.9	3587.7	3573.4	3619.7	3623.3	3680.2
30°	4623.4	4605.6	4335.1	3961.4	3594.8	3359.9	3331.4	3395.5	3445.3	3520.0	3523.6
32.5°	4698.1	4705.3	4356.5	3811.9	3352.8	3117.9	3075.1	3153.4	3295.8	3356.3	3402.6
35°	4822.7	4858.3	4338.7	3626.8	3096.5	2872.3	2865.2	2886.5	3025.3	3132.1	3192.6
37.5°	5039.8	5032.7	4335.1	3406.2	2893.6	2658.7	2601.8	2608.9	2701.4	2790.4	2779.7
40°	5331.7	5303.2	4324.4	3117.9	2630.2	2477.2	2381.1	2345.5	2338.4	2313.5	2320.6
42.5°	5730.3	5673.4	4320.9	2826.0	2391.8	2228.1	2160.4	2067.9	2000.3	1872.1	1879.3
45°	6285.5	6185.9	4228.3	2551.9	2156.9	2021.6	1918.4	1850.8	1704.9	1544.7	1544.7
47.5°	7143.3	6819.4	4231.9	2249.4	1929.1	1818.7	1747.6	1630.1	1473.5	1345.4	1331.1
50°	8406.8	7666.5	4110.9	2010.9	1744.0	1669.3	1594.5	1459.3	1309.8	1220.8	1231.5
52.5°	10036.9	8930.0	4107.3	1797.4	1598.1	1544.7	1462.8	1341.8	1231.5	1174.5	1153.2
55°	11980.3	10602.8	4235.4	1623.0	1448.6	1420.1	1384.5	1284.9	1178.1	1128.3	1124.7
57.5°	13969.8	12236.5	4441.9	1498.4	1320.5	1341.8	1316.9	1238.6	1153.2	1096.2	1089.1
60°	15738.8	13532.1	4025.5	1348.9	1206.6	1252.8	1288.4	1220.8	1174.5	1171.0	1146.1
62.5°	17073.5	14087.3	3060.9	1235.0	1146.1	1231.5	1327.6	1370.3	1348.9	1377.4	1381.0
65°	17561.1	13752.7	2107.0	1174.5	1099.8	1281.3	1494.9	1480.6	1356.1	1302.7	1331.1
67.5°	16877.7	12396.7	1562.5	1103.4	1067.8	1384.5	1591.0	1413.0	1224.4	1217.2	1195.9
70°	14514.4	10506.7	1274.2	1028.6	1014.4	1327.6	1548.3	1309.8	1153.2	1106.9	1085.6
72°	11563.8	8182.6	1117.6	975.2	929.0	1185.2	1448.6	1227.9	1092.7	1035.7	1010.8
72.5°	10556.6	7584.6	1096.2	950.3	911.2	1153.2	1398.8	1203.0	1078.4	1028.6	989.5
75°	5790.8	3883.1	964.5	872.0	768.8	996.6	1295.5	1128.3	1017.9	946.7	939.6
77.5°	2153.3	1505.5	832.9	772.3	665.6	861.3	1178.1	1071.3	925.4	836.4	818.6
80°	825.7	793.7	679.8	651.3	558.8	754.5	1085.6	961.0	786.6	697.6	669.1
82.5°	501.8	462.7	516.1	509.0	427.1	686.9	1021.5	900.5	697.6	565.9	548.1
85°	274.1	274.1	359.5	345.2	299.0	548.1	772.3	597.9	441.3	363.0	370.2
87.5°	121.0	142.4	192.2	181.5	163.7	309.7	377.3	316.8	220.7	149.5	160.2
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)