

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: P480373

Luminaire Tested: **IFLD-L-SA8D-722-U-SL3**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P480373
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-722-U-SL3
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens
Light Source: (128) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

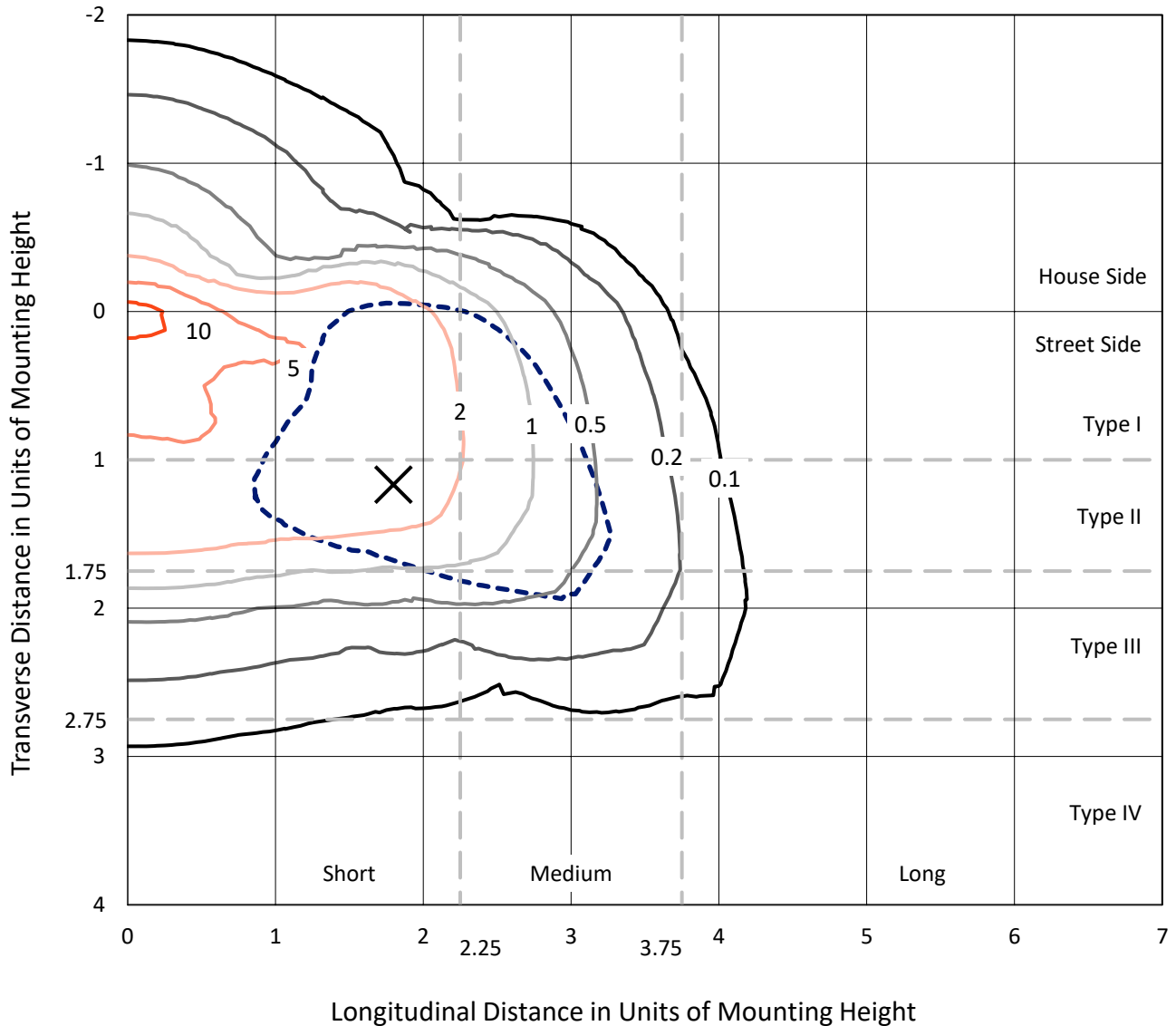
Lumens per Lamp: N/A
Luminaire Lumens: 40518.6 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 488.3
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: P480373
 CATALOG NUMBER: IFLD-L-SA8D-722-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

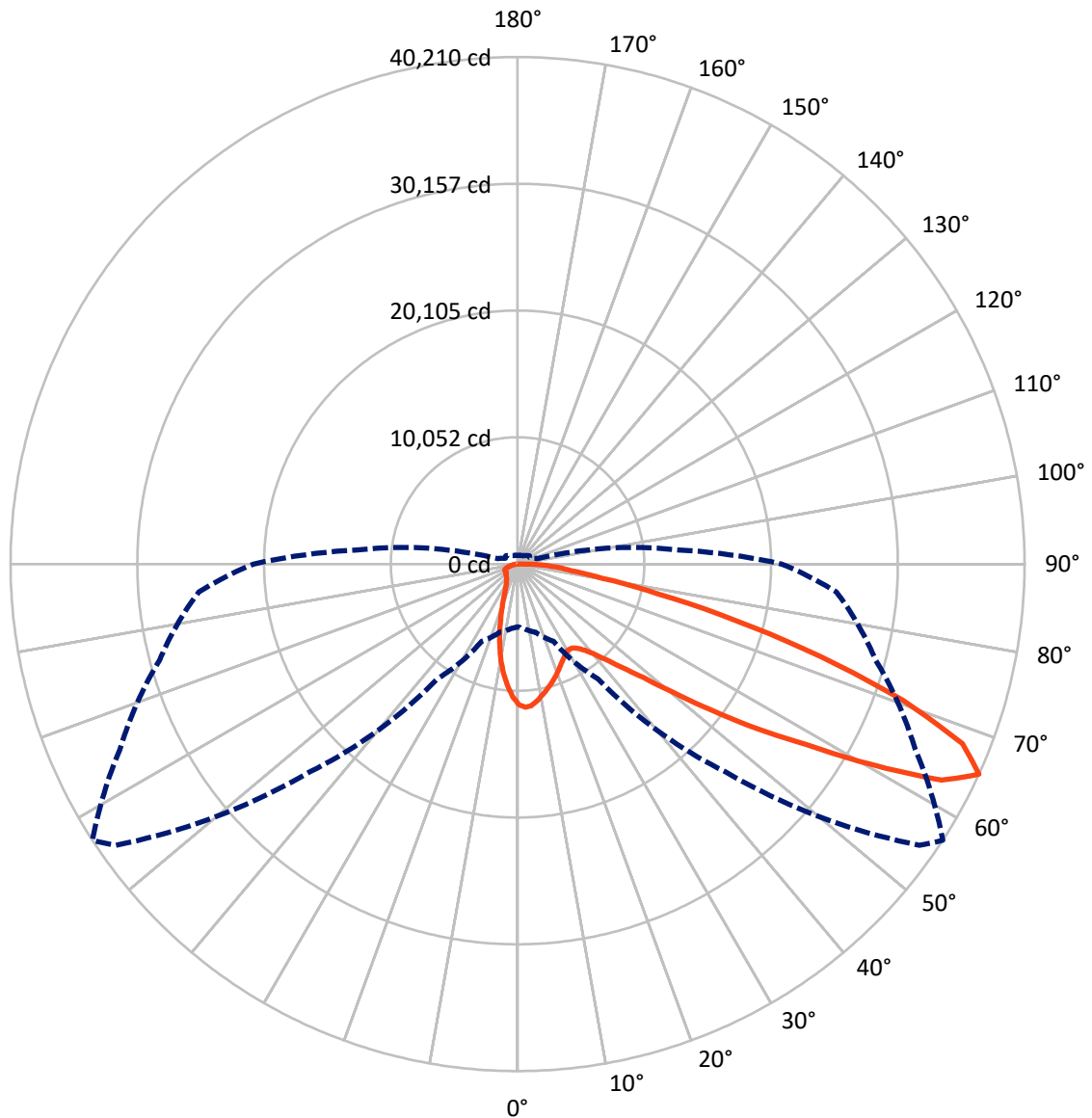
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 12.4 fc
 Type III - Short - N/A

REPORT NUMBER: P480373
CATALOG NUMBER: IFLD-L-SA8D-722-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P480373
 CATALOG NUMBER: IFLD-L-SA8D-722-U-SL3

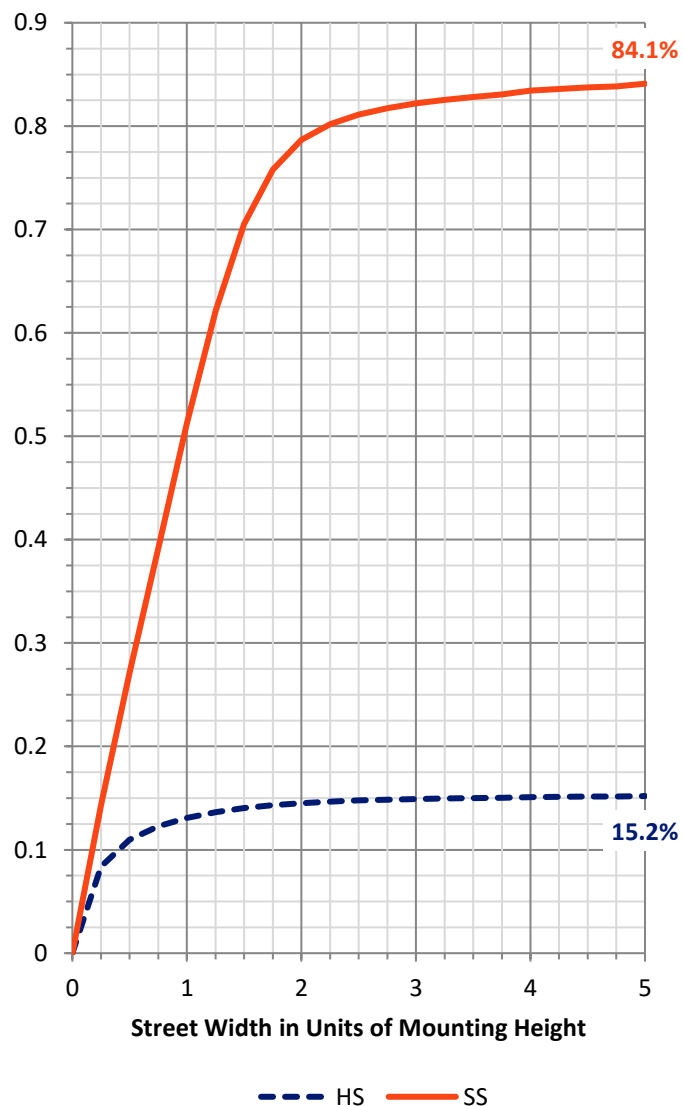
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6213.9	0.0	6213.9
	% Fixture	15.3	0.0	15.3
Street Side	Lumens	34304.7	0.0	34304.7
	% Fixture	84.7	0.0	84.7
Total	Lumens	40518.6	0.0	40518.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	933.1	2.3
10°-20°	2008.1	5.0
20°-30°	2596.3	6.4
30°-40°	3493.7	8.6
40°-50°	5570.9	13.7
50°-60°	9839.6	24.3
60°-70°	10824.9	26.7
70°-80°	4528.2	11.2
80°-90°	723.7	1.8
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°	40518.6	100.0
0°-180°	40518.6	100.0

Coefficient of Utilization



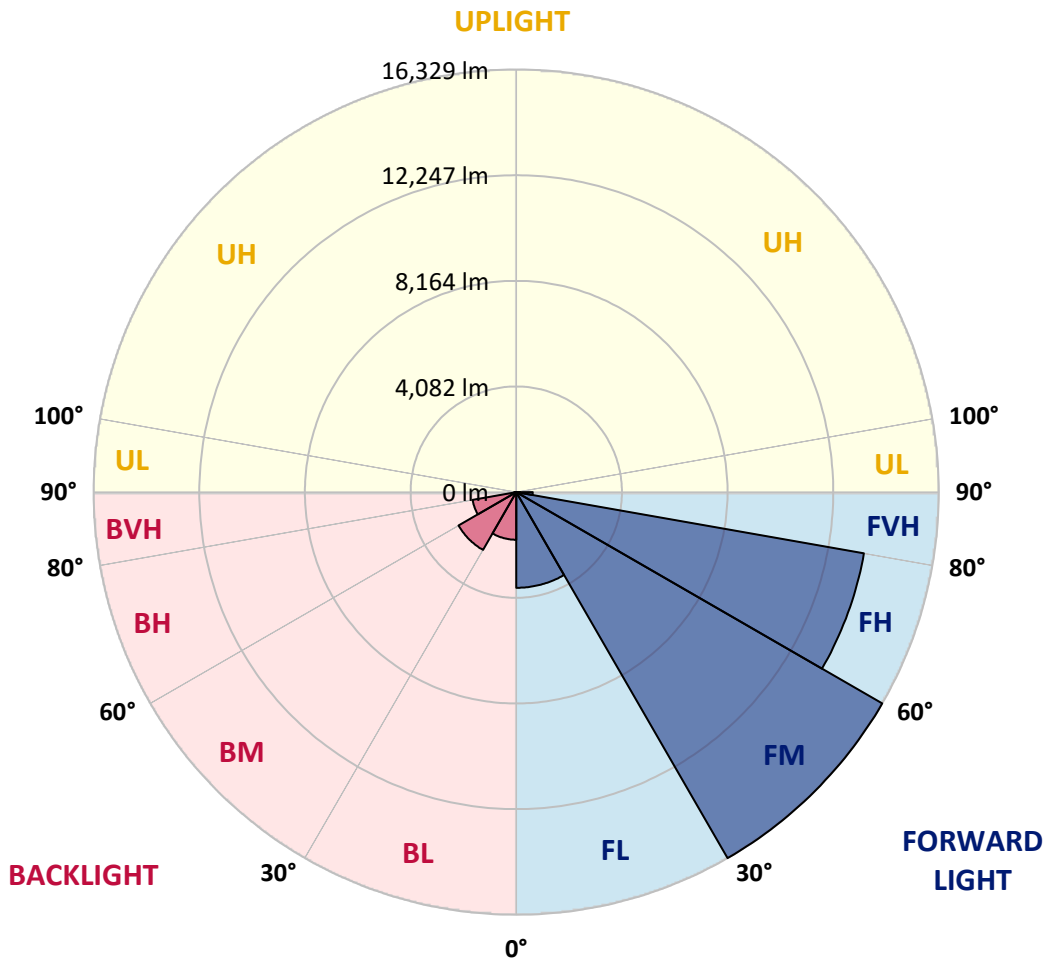
REPORT NUMBER: P480373
 CATALOG NUMBER: IFLD-L-SA8D-722-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3697.2	9.1			
FM (30°-60°)	16329.0	40.3			
FH (60°-80°)	13639.8	33.7			G5
FVH (80°-90°)	638.8	1.6			G4/750
BL (0°-30°)	1840.3	4.5	B3/2500		
BM (30°-60°)	2575.4	6.4	B3/5000		
BH (60°-80°)	1713.4	4.2	B3/2500		G3/2500
BVH (80°-90°)	84.9	0.2			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 Short





REPORT NUMBER: P480373

CATALOG NUMBER: IFLD-L-SA8D-722-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	11142.1	11142.1	11142.1	11142.1	11142.1	11142.1	11142.1	11142.1	11142.1	11142.1	11142.1
2.5°	11442.9	11461.2	11461.2	11497.6	11374.6	11433.8	11424.7	11370.0	11388.2	11292.5	11196.8
5°	11119.3	11105.6	11178.5	11187.6	11283.4	11310.7	11333.5	11297.1	11306.2	11096.5	11005.3
7.5°	10289.5	10285.0	10408.1	10512.9	10713.5	10900.4	11023.5	10987.0	11037.2	10905.0	10690.7
10°	9304.8	9409.7	9537.3	9642.2	10011.4	10248.5	10567.6	10599.5	10791.0	10759.1	10371.6
12.5°	8566.2	8611.8	8707.6	9008.5	9345.8	9737.9	10193.8	10234.8	10421.7	10512.9	10175.6
15°	7959.9	8000.9	8124.0	8347.4	8725.8	9190.8	9769.8	9874.7	10248.5	10280.4	9920.3
17.5°	7517.7	7549.6	7631.7	7855.1	8165.1	8762.3	9309.4	9496.3	9988.6	10143.6	9655.8
20°	7344.5	7276.1	7321.7	7463.0	7773.0	8233.4	8940.1	9104.2	9733.3	10038.8	9405.1
22.5°	7267.0	7207.7	7235.0	7225.9	7472.1	7800.3	8543.5	8716.7	9491.7	9915.7	9181.7
25°	7326.2	7326.2	7298.9	7276.1	7303.4	7517.7	8114.9	8383.9	9168.0	9810.8	8953.8
27.5°	7645.3	7522.3	7535.9	7440.2	7412.8	7412.8	7923.4	8083.0	9063.2	9751.6	8766.8
30°	7850.5	7909.8	7914.3	7773.0	7631.7	7376.4	7745.6	7900.6	8976.6	9824.5	8657.4
32.5°	8374.8	8347.4	8269.9	8242.6	8032.9	7745.6	7832.3	7937.1	8926.4	9988.6	8689.3
35°	8899.1	8885.4	8889.9	8876.3	8657.4	8233.4	8064.8	8206.1	9017.6	10275.9	8798.8
37.5°	9441.6	9478.0	9633.0	9633.0	9400.5	8940.1	8716.7	8675.7	9350.4	10745.4	9058.6
40°	9984.1	10075.3	10271.3	10581.3	10253.1	9824.5	9464.4	9400.5	9751.6	11374.6	9683.2
42.5°	10503.8	10654.2	11041.8	11502.2	11392.8	10964.3	10485.6	10412.6	10576.7	12309.1	10553.9
45°	11169.4	11297.1	11908.0	12614.6	12765.0	12386.6	11825.9	11766.6	11757.5	13676.8	11752.9
47.5°	12181.5	12318.3	12929.2	13640.3	14105.4	14164.6	13535.5	13471.7	13252.8	15523.2	13508.1
50°	13448.9	13672.3	14187.4	15017.1	15691.9	16325.6	16147.8	15960.9	15532.3	17670.5	15732.9
52.5°	14374.3	14647.9	15345.4	16407.6	17597.5	18605.0	19243.3	19243.3	18258.6	20027.4	18409.0
55°	14620.5	14784.6	15664.5	17200.9	19238.7	21787.2	23122.9	23022.6	21504.5	22507.5	21522.8
57.5°	13640.3	13854.6	14921.4	16530.7	20100.4	24764.2	26975.2	26998.0	25051.4	25388.7	24595.5
60°	10941.5	11009.8	12268.1	14419.9	19270.6	27162.2	32236.3	32322.9	29086.0	27955.4	26159.2
62.5°	7563.3	7782.1	8730.4	10617.8	15965.4	26893.2	37310.4	37738.9	32318.3	29309.4	26405.4
65°	4978.4	5110.6	5616.6	6765.5	11114.7	23309.9	38887.8	40209.9	34789.3	29386.9	25375.1
67.5°	3610.7	3633.5	3783.9	4376.6	6678.8	16763.2	36193.4	38058.0	35714.7	28739.6	22958.8
70°	2917.7	2936.0	2990.7	3369.1	4312.8	10490.1	29519.1	32441.4	32938.3	25671.4	18491.1
72.5°	2370.6	2393.4	2461.8	2817.4	3556.0	5835.4	21586.6	25147.1	26792.9	18992.5	12290.9
75°	1864.6	1882.8	2047.0	2398.0	3341.7	4007.3	14319.6	17807.2	18030.6	11101.0	5753.4
77.5°	1276.5	1308.4	1509.0	2033.3	3145.7	3505.8	8926.4	11406.5	10234.8	4344.7	1978.6
80°	811.5	857.1	975.6	1540.9	2781.0	3346.3	5552.8	6811.1	4481.4	1486.2	952.8
82.5°	478.7	524.3	642.8	998.4	2183.7	3104.6	3911.6	4262.6	2101.7	761.3	574.4
85°	264.4	296.3	387.5	601.8	1281.1	2758.2	3132.0	3059.0	1203.6	405.7	360.2
87.5°	86.6	100.3	141.3	241.6	528.8	1299.3	1878.3	1764.3	624.6	186.9	141.3
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: P480373
 CATALOG NUMBER: IFLD-L-SA8D-722-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11142.1	11142.1	11142.1	11142.1	11142.1	11142.1	11142.1	11142.1	11142.1	11142.1	11142.1
2.5°	11132.9	11119.3	10914.1	10759.1	10494.7	10275.9	10189.2	10070.7	10066.1	9979.5	9956.7
5°	10864.0	10722.6	10408.1	10107.2	9637.6	9323.0	9035.8	8835.2	8753.2	8575.4	8534.3
7.5°	10517.5	10330.6	9847.3	9282.0	8730.4	8238.0	7791.2	7344.5	7093.7	7007.1	6911.4
10°	10157.3	9829.1	9113.3	8479.6	7709.2	6952.4	6250.3	5621.2	5279.3	5037.6	4932.8
12.5°	9870.1	9432.4	8520.7	7572.4	6555.8	5543.7	4727.6	4066.6	3679.1	3496.7	3414.6
15°	9546.4	8967.4	7873.3	6674.3	5406.9	4258.1	3460.2	2940.5	2785.5	2698.9	2685.2
17.5°	9204.5	8534.3	7171.2	5789.9	4285.4	3204.9	2689.8	2480.1	2411.7	2375.2	2357.0
20°	8885.4	8146.8	6450.9	4805.1	3355.4	2571.2	2329.6	2220.2	2215.6	2233.9	2229.3
22.5°	8434.0	7640.8	5739.7	3893.3	2680.7	2238.4	2083.4	2056.1	2083.4	2106.2	2115.3
25°	8178.7	7225.9	4946.5	3091.0	2215.6	1987.7	1937.5	1928.4	1969.5	1996.8	1992.3
27.5°	7914.3	6797.4	4207.9	2475.5	1942.1	1809.9	1800.8	1809.9	1850.9	1892.0	1887.4
30°	7709.2	6455.5	3514.9	2069.8	1732.4	1682.2	1673.1	1682.2	1705.0	1709.6	1709.6
32.5°	7540.5	6049.7	2926.8	1796.2	1604.7	1563.7	1572.8	1568.3	1572.8	1577.4	1582.0
35°	7440.2	5808.1	2443.6	1627.5	1499.9	1468.0	1463.4	1449.7	1454.3	1458.9	1454.3
37.5°	7654.5	5689.6	2060.6	1509.0	1426.9	1399.6	1390.5	1381.4	1367.7	1367.7	1367.7
40°	7978.1	5625.7	1828.1	1431.5	1372.2	1340.3	1313.0	1303.9	1303.9	1308.4	1313.0
42.5°	8621.0	5730.6	1668.6	1372.2	1303.9	1267.4	1240.0	1244.6	1258.3	1271.9	1262.8
45°	9551.0	6049.7	1595.6	1326.7	1262.8	1212.7	1194.4	1189.9	1203.6	1226.4	1244.6
47.5°	10768.2	6546.6	1568.3	1285.6	1235.5	1167.1	1144.3	1158.0	1176.2	1208.1	1194.4
50°	12760.5	7663.6	1591.1	1249.1	1194.4	1144.3	1116.9	1103.3	1116.9	1139.7	1148.9
52.5°	15363.6	9692.3	1677.7	1230.9	1167.1	1126.1	1080.5	1057.7	1071.4	1089.6	1089.6
55°	18477.4	12464.1	1919.3	1208.1	1121.5	1098.7	1048.6	1003.0	1012.1	1012.1	1007.5
57.5°	21221.9	14556.7	2206.5	1176.2	1094.1	1062.2	998.4	943.7	934.6	939.1	943.7
60°	22452.8	15112.9	2343.3	1167.1	1094.1	1016.6	930.0	875.3	861.6	852.5	852.5
62.5°	22238.5	14151.0	2065.2	1126.1	1121.5	980.2	866.2	806.9	788.7	770.5	775.0
65°	20943.8	12778.7	1627.5	1071.4	1126.1	957.4	802.4	743.1	711.2	688.4	683.8
67.5°	18577.7	10909.5	1290.2	1030.3	1080.5	916.3	747.7	679.3	651.9	629.1	620.0
70°	14533.9	8552.6	1121.5	975.6	971.1	816.1	683.8	624.6	583.5	556.2	556.2
72.5°	9423.3	5406.9	961.9	866.2	838.8	683.8	592.7	556.2	524.3	501.5	501.5
75°	4267.2	2512.0	775.0	724.9	683.8	547.1	501.5	483.2	455.9	433.1	433.1
77.5°	1531.8	1071.4	579.0	569.9	510.6	424.0	405.7	392.1	373.8	351.0	351.0
80°	857.1	679.3	433.1	414.9	355.6	314.6	291.8	291.8	282.7	269.0	264.4
82.5°	542.5	442.2	319.1	278.1	232.5	209.7	200.6	196.0	191.5	173.2	168.7
85°	341.9	300.9	209.7	164.1	136.8	104.9	100.3	95.7	86.6	77.5	77.5
87.5°	155.0	173.2	82.1	50.1	36.5	22.8	13.7	4.6	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)