

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: P479983

Luminaire Tested: **IFLD-L-SA8D-722-U-SL2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479983
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-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

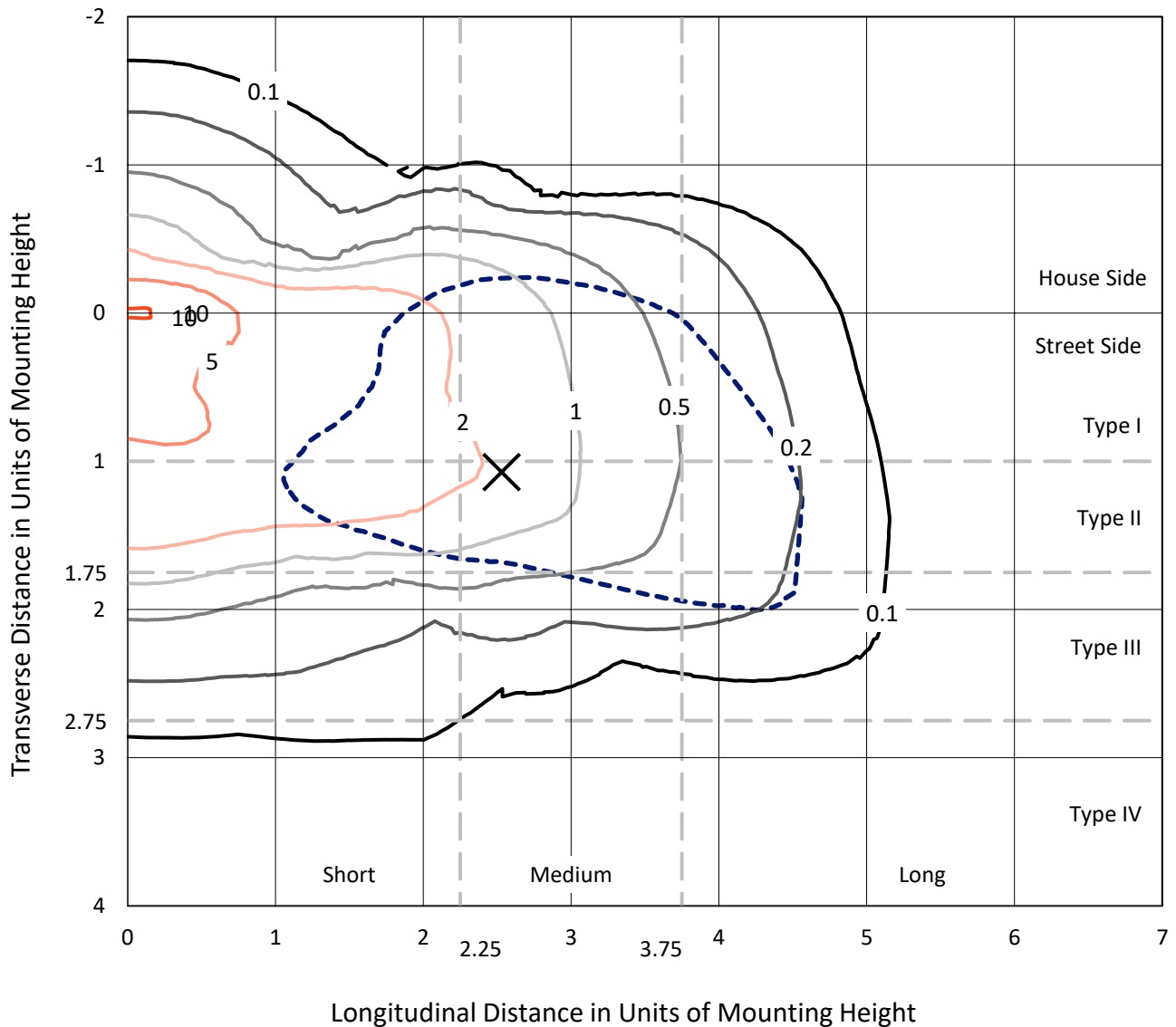
Lumens per Lamp: N/A
Luminaire Lumens: 40942.9 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

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: P479983
 CATALOG NUMBER: IFLD-L-SA8D-722-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

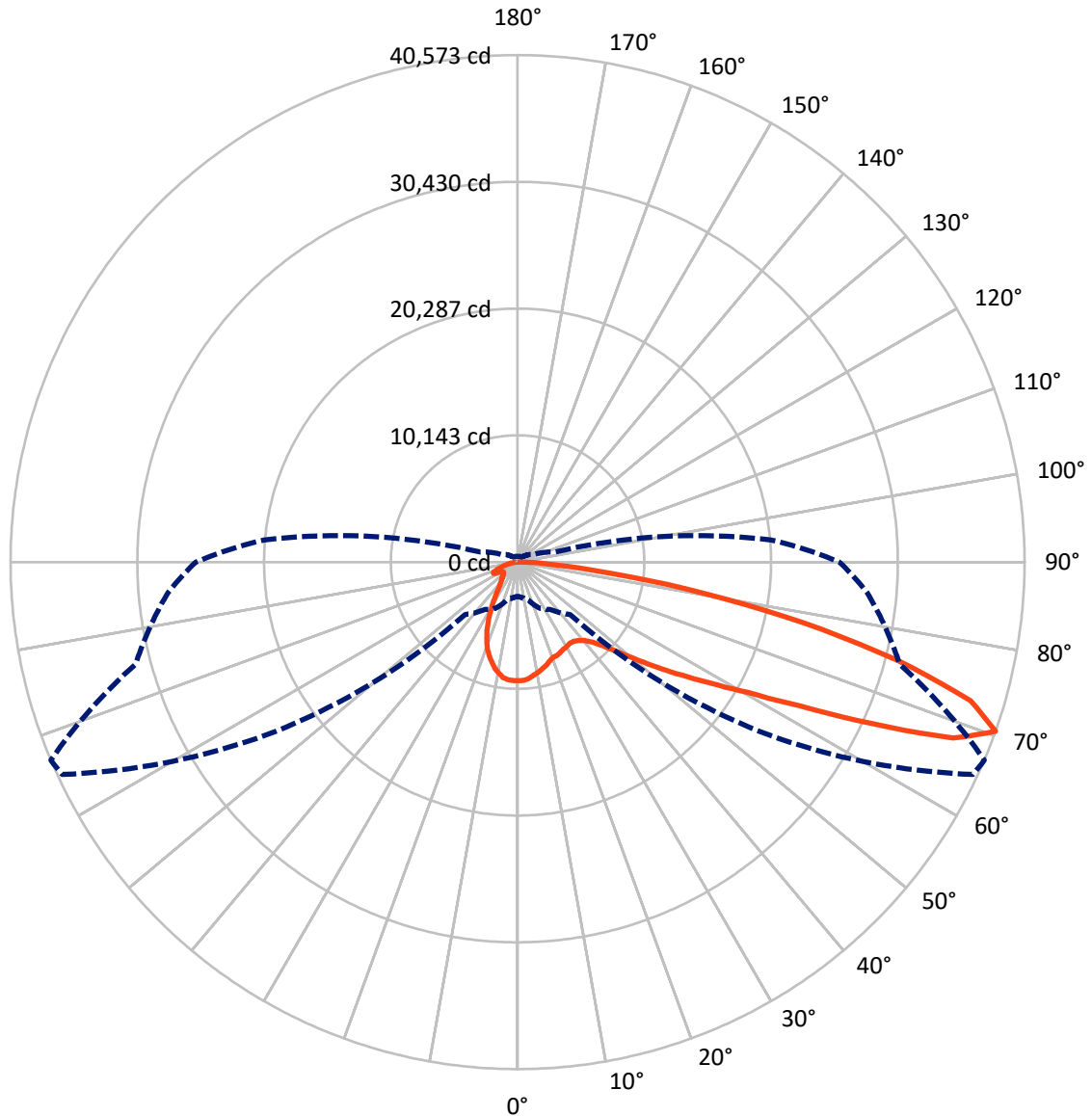
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P479983
CATALOG NUMBER: IFLD-L-SA8D-722-U-SL2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P479983
 CATALOG NUMBER: IFLD-L-SA8D-722-U-SL2

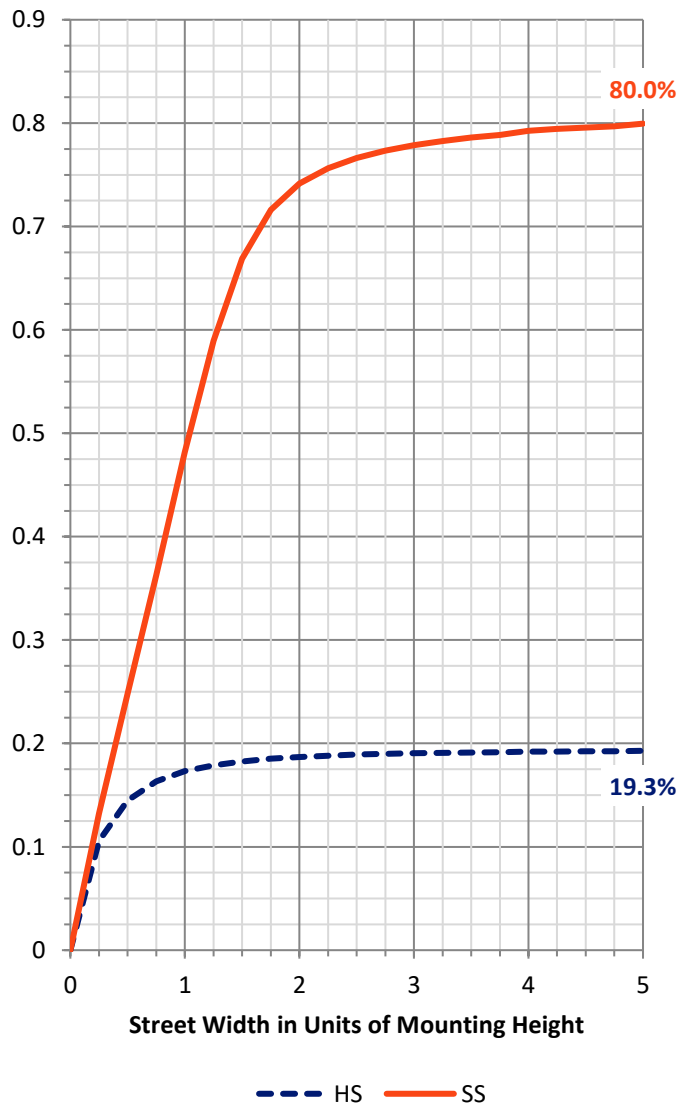
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7974.0	0.0	7974.0
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	32968.9	0.0	32968.9
	% Fixture	80.5	0.0	80.5
Total	Lumens	40942.9	0.0	40942.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	827.0	2.0
10°-20°	1980.6	4.8
20°-30°	2674.7	6.5
30°-40°	3578.9	8.7
40°-50°	5262.8	12.9
50°-60°	8203.3	20.0
60°-70°	10105.1	24.7
70°-80°	7140.2	17.4
80°-90°	1170.3	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°	40942.9	100.0
0°-180°	40942.9	100.0

Coefficient of Utilization



REPORT NUMBER: P479983

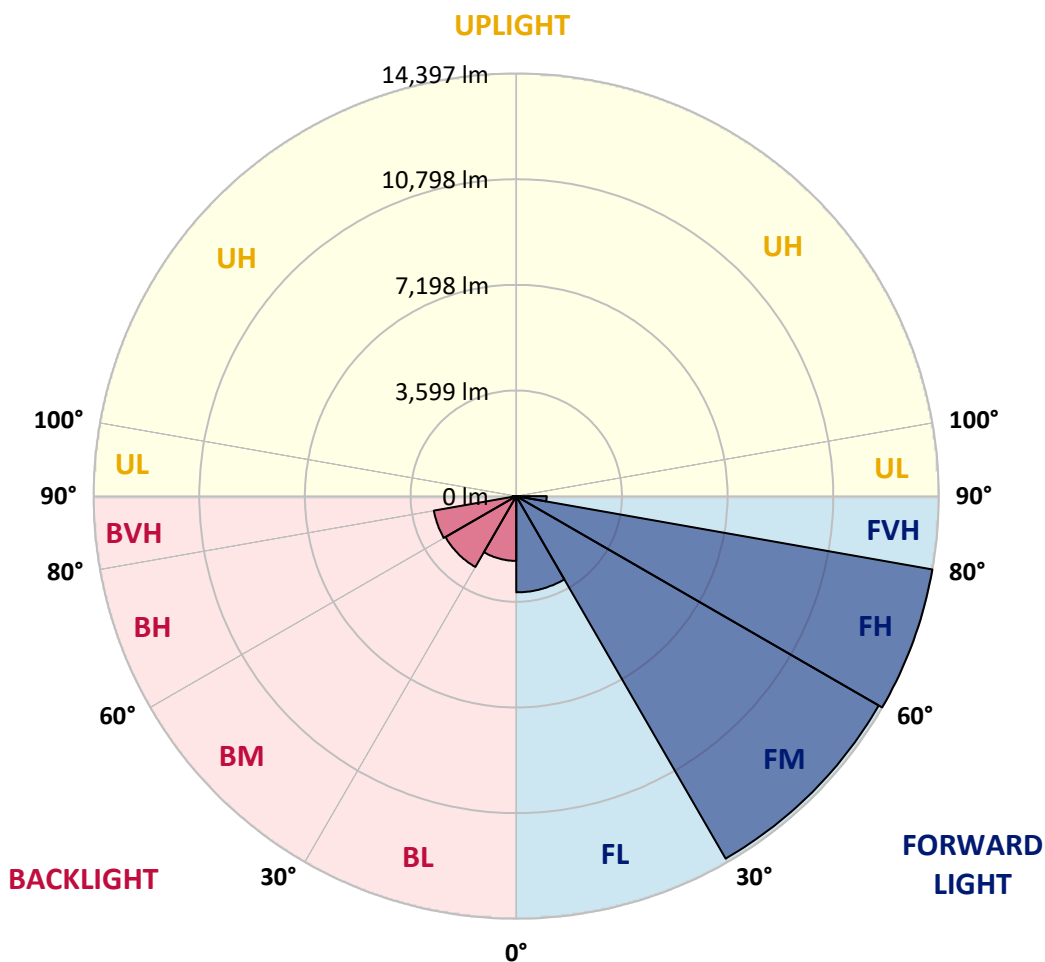
CATALOG NUMBER: IFLD-L-SA8D-722-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3277.2	8.0			
FM (30°-60°)	14259.5	34.8			
FH (60°-80°)	14396.9	35.2			G5
FVH (80°-90°)	1035.3	2.5			G5
BL (0°-30°)	2205.1	5.4	B3/2500		
BM (30°-60°)	2785.5	6.8	B3/5000		
BH (60°-80°)	2848.4	7.0	B4/5000		G4/5000
BVH (80°-90°)	135.0	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Medium





REPORT NUMBER: P479983

CATALOG NUMBER: IFLD-L-SA8D-722-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	9478.2	9478.2	9478.2	9478.2	9478.2	9478.2	9478.2	9478.2	9478.2	9478.2	9478.2
2.5°	8825.4	8925.1	8961.4	9015.8	9156.3	9260.6	9324.0	9396.6	9482.7	9555.2	9600.5
5°	8209.0	8263.4	8349.5	8408.4	8585.2	8866.2	9056.6	9364.8	9355.8	9469.1	9641.3
7.5°	7610.6	7665.0	7705.8	7823.7	8077.5	8331.3	8680.4	9179.0	9142.7	9405.6	9673.1
10°	7238.9	7198.1	7211.7	7411.2	7610.6	7896.2	8335.9	8843.6	8975.0	9383.0	9763.7
12.5°	6889.9	6844.6	6953.4	7080.3	7325.1	7583.4	8109.2	8567.1	8766.5	9301.4	9804.5
15°	6672.3	6640.6	6776.6	6831.0	7121.1	7429.3	7801.0	8358.5	8576.1	9201.6	9741.1
17.5°	6549.9	6577.1	6627.0	6744.9	6930.7	7193.6	7601.6	8218.0	8313.2	9079.3	9727.5
20°	6572.6	6604.3	6608.9	6658.7	6785.6	6989.6	7406.6	8068.4	8131.9	9056.6	9763.7
22.5°	6753.9	6708.6	6726.7	6695.0	6731.3	6889.9	7257.1	7869.0	8113.8	8866.2	9686.7
25°	7025.9	6962.4	6953.4	6844.6	6776.6	6821.9	7229.9	7819.1	7977.8	8807.3	9682.1
27.5°	7506.4	7411.2	7411.2	7248.0	6971.5	6899.0	7152.8	7737.5	7878.1	8752.9	9577.9
30°	7968.7	7968.7	7973.3	7742.1	7433.8	7075.8	7184.5	7705.8	7796.5	8589.7	9437.4
32.5°	8530.8	8517.2	8494.5	8381.2	7905.3	7370.4	7338.7	7665.0	7710.3	8535.3	9396.6
35°	9079.3	9043.0	9219.8	9120.1	8635.0	7946.1	7497.3	7683.2	7782.9	8453.7	9269.6
37.5°	9491.8	9514.4	9881.6	9945.0	9528.0	8598.8	7946.1	7864.5	7959.7	8571.6	9269.6
40°	10026.6	10117.3	10461.8	10674.8	10421.0	9460.0	8657.7	8168.2	8236.2	8834.5	9469.1
42.5°	10729.2	10806.3	11246.0	11522.5	11449.9	10557.0	9360.3	8802.8	8748.4	9274.2	9768.3
45°	11658.4	11672.0	12116.3	12497.0	12646.6	11703.8	10475.4	9605.1	9559.7	10031.2	10316.7
47.5°	12764.5	12750.9	13027.4	13435.3	13838.7	13072.7	11758.2	10824.4	10661.2	11114.5	11227.8
50°	13834.2	13775.3	13838.7	14360.0	15135.1	14786.1	13317.5	12315.7	12152.5	12401.8	12596.7
52.5°	14423.5	14496.0	14323.8	15012.7	16513.1	16812.3	15384.4	14097.1	13956.6	14079.0	14418.9
55°	14011.0	14160.6	14047.2	14700.0	17116.0	19282.7	18058.8	16159.5	15978.2	15932.9	16490.4
57.5°	12256.8	12528.7	12551.4	13584.9	16907.5	21195.5	21821.1	18593.7	18321.7	17859.4	18435.0
60°	9410.2	9682.1	9890.6	11114.5	15121.5	22337.8	26181.6	22056.8	21159.3	19962.6	20307.1
62.5°	6595.3	6781.1	6989.6	7742.1	11658.4	21666.9	29953.0	26934.1	25279.6	22179.1	22609.8
65°	4804.8	4949.9	5162.9	5607.1	7161.9	17927.4	31702.6	32727.0	31158.7	24998.6	24944.2
67.5°	3617.2	3707.9	3988.9	4700.5	4963.5	11073.7	29889.5	38846.4	37577.2	28130.8	26820.8
70°	2737.8	2814.9	3077.8	4052.4	4637.1	5938.0	23579.8	40210.8	40573.4	31643.7	28080.9
72.5°	1885.7	1971.8	2266.4	3377.0	4415.0	4709.6	14799.7	36530.1	37903.5	33089.7	26730.1
75°	1155.9	1214.8	1387.0	2561.1	4383.2	4605.4	8145.5	29934.8	31389.9	30574.0	23384.9
77.5°	815.9	811.4	843.1	1500.4	3798.5	4632.6	5022.4	21934.4	23348.6	22532.7	15869.4
80°	593.8	598.3	630.1	897.5	2579.2	4709.6	3957.2	14690.9	15112.5	11749.1	6259.8
82.5°	358.1	376.2	453.3	607.4	1550.2	4251.8	3658.0	8163.6	7637.8	3771.3	1722.5
85°	190.4	190.4	267.4	385.3	825.0	3173.0	3522.0	3884.6	3254.6	1169.5	639.1
87.5°	45.3	45.3	77.1	154.1	330.9	1518.5	2402.4	1545.7	1237.5	394.4	262.9
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: P479983
 CATALOG NUMBER: IFLD-L-SA8D-722-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9478.2	9478.2	9478.2	9478.2	9478.2	9478.2	9478.2	9478.2	9478.2	9478.2	9478.2
2.5°	9582.4	9528.0	9596.0	9460.0	9351.2	9355.8	9188.1	9179.0	9156.3	9038.5	9079.3
5°	9691.2	9645.9	9568.8	9419.2	9179.0	8938.7	8793.7	8607.8	8530.8	8490.0	8508.1
7.5°	9795.5	9713.9	9491.8	9283.2	8911.5	8458.3	8195.4	7946.1	7628.8	7592.5	7529.0
10°	9822.6	9650.4	9364.8	8920.6	8426.5	7923.4	7325.1	6862.7	6617.9	6427.6	6355.0
12.5°	9781.9	9709.3	9160.9	8589.7	7841.8	7053.1	6355.0	5702.3	5249.0	5013.3	4949.9
15°	9777.3	9650.4	8934.2	8086.6	7130.1	6101.2	5108.5	4324.3	3848.4	3653.5	3653.5
17.5°	9781.9	9478.2	8666.8	7578.9	6291.6	4900.0	3807.6	3163.9	2901.0	2873.8	2896.5
20°	9691.2	9351.2	8385.7	6980.6	5240.0	3680.7	2765.0	2502.1	2502.1	2538.4	2552.0
22.5°	9609.6	9160.9	7941.5	6241.7	4170.2	2665.3	2248.3	2171.2	2257.4	2320.8	2348.0
25°	9496.3	9002.2	7488.2	5475.7	3173.0	2148.6	1953.7	1971.8	2053.4	2166.7	2157.6
27.5°	9333.1	8725.7	6948.8	4587.2	2361.6	1853.9	1804.1	1813.1	1899.3	1949.1	1940.1
30°	9147.3	8444.7	6450.2	3703.3	1872.1	1699.8	1695.3	1717.9	1731.5	1758.7	1754.2
32.5°	8911.5	8073.0	5919.9	2878.3	1686.2	1613.7	1595.6	1582.0	1595.6	1591.0	1577.4
35°	8743.8	7873.5	5380.5	2193.9	1582.0	1536.6	1523.0	1500.4	1482.2	1455.0	1450.5
37.5°	8698.5	7674.1	4813.9	1790.5	1500.4	1477.7	1432.4	1391.6	1368.9	1355.3	1346.3
40°	8671.3	7542.6	4260.9	1572.9	1432.4	1409.7	1355.3	1300.9	1278.3	1264.7	1269.2
42.5°	8766.5	7470.1	3698.8	1464.1	1373.4	1332.7	1273.7	1210.3	1205.7	1196.7	1210.3
45°	9101.9	7560.8	3177.5	1387.0	1314.5	1246.5	1169.5	1137.7	1133.2	1124.1	1133.2
47.5°	9863.4	7787.4	2733.3	1337.2	1251.1	1192.1	1110.5	1065.2	1060.7	1056.1	1056.1
50°	10915.1	8485.5	2361.6	1278.3	1210.3	1128.7	1051.6	1001.8	992.7	974.6	974.6
52.5°	12565.0	9659.5	2139.5	1246.5	1137.7	1069.7	988.2	933.8	911.1	893.0	893.0
55°	14423.5	11114.5	2098.7	1192.1	1060.7	997.2	924.7	870.3	847.6	825.0	815.9
57.5°	16540.3	13041.0	2388.8	1155.9	1006.3	924.7	843.1	793.2	775.1	752.5	743.4
60°	18512.1	14962.9	3290.8	1101.5	956.4	856.7	775.1	725.3	702.6	679.9	679.9
62.5°	20792.1	17342.6	4818.4	1101.5	911.1	784.2	702.6	666.3	652.7	630.1	625.5
65°	23489.1	19803.9	5933.5	1169.5	897.5	720.7	634.6	598.3	584.7	571.1	566.6
67.5°	25542.5	21218.2	5104.0	1350.8	956.4	666.3	566.6	543.9	534.9	521.3	512.2
70°	25760.1	20356.9	3077.8	1459.6	1015.4	611.9	507.7	485.0	485.0	471.4	462.3
72.5°	23806.4	18063.3	2071.5	1300.9	920.2	548.5	448.8	430.6	421.6	412.5	408.0
75°	19921.8	15321.0	1636.4	1038.0	707.1	453.3	389.8	371.7	358.1	353.6	344.5
77.5°	13380.9	9958.6	1210.3	811.4	521.3	367.2	326.4	308.2	294.6	290.1	276.5
80°	5140.2	3794.0	779.6	589.3	367.2	290.1	258.4	240.2	231.2	217.6	208.5
82.5°	1514.0	1228.4	435.2	362.6	235.7	199.4	185.8	172.2	158.6	145.1	140.5
85°	625.5	562.1	267.4	190.4	145.1	117.9	108.8	95.2	81.6	72.5	63.5
87.5°	290.1	240.2	122.4	72.5	49.9	27.2	13.6	4.5	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)