

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: P285794

Luminaire Tested: **USSL-XL-C06-D-U-T3-BZ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285794
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1902-125-7)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-XL-C06-D-U-T3-BZ
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K LEDS AND TYPE III OPTICS, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 51521.7 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Luminous Opening: Rectangular (W 1.29' x L: 1.79' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

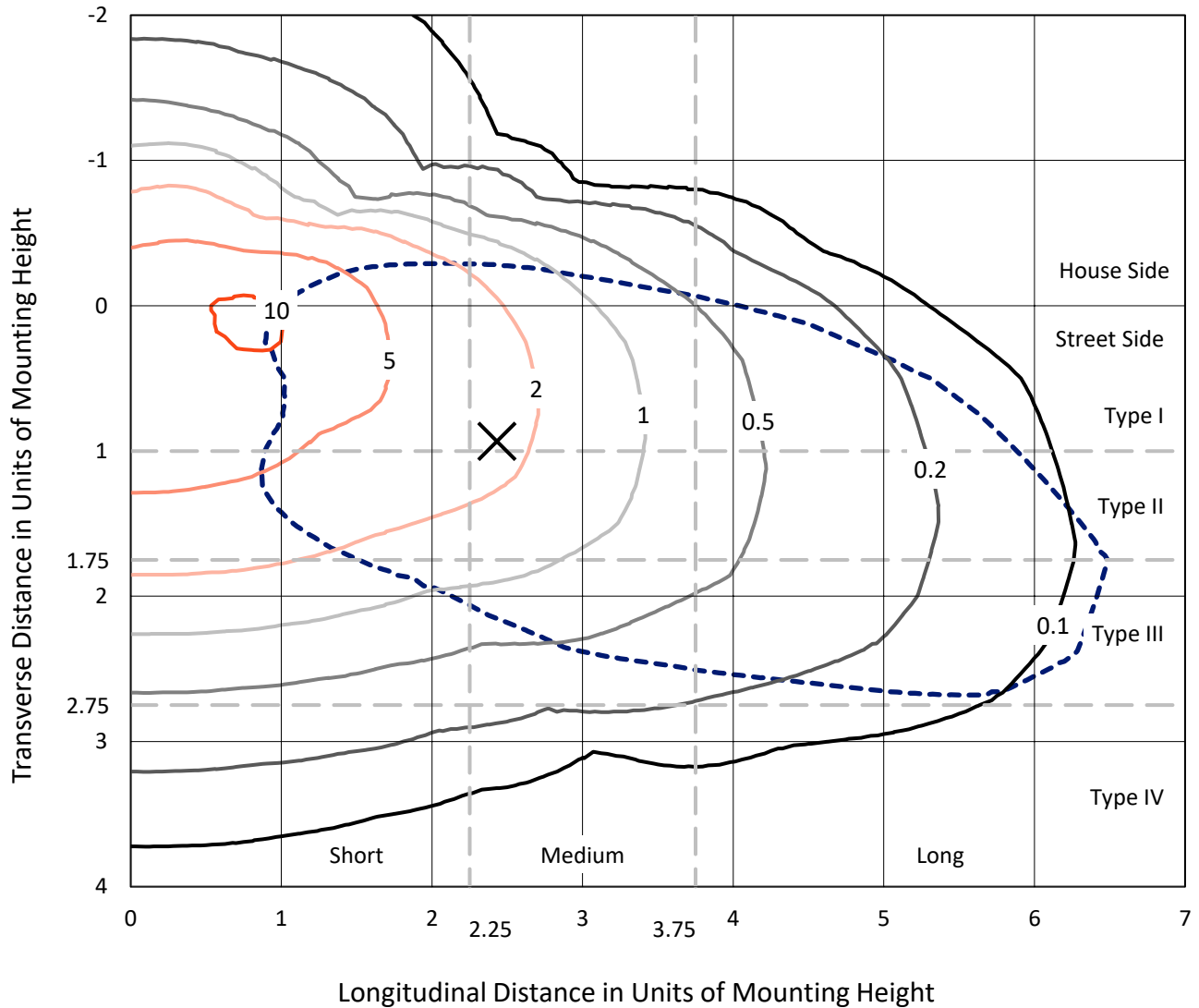
Input Watts (W): 346
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

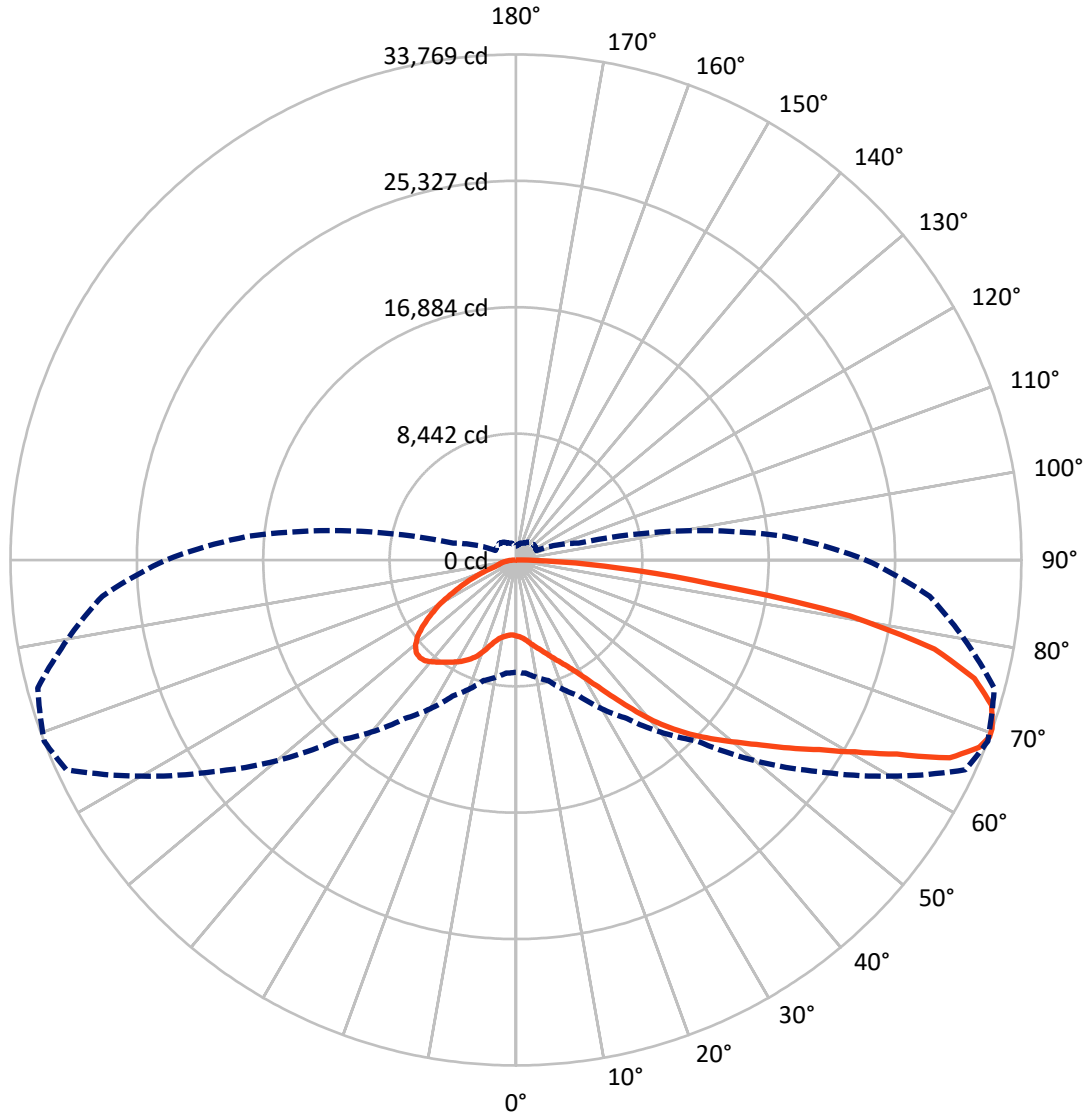
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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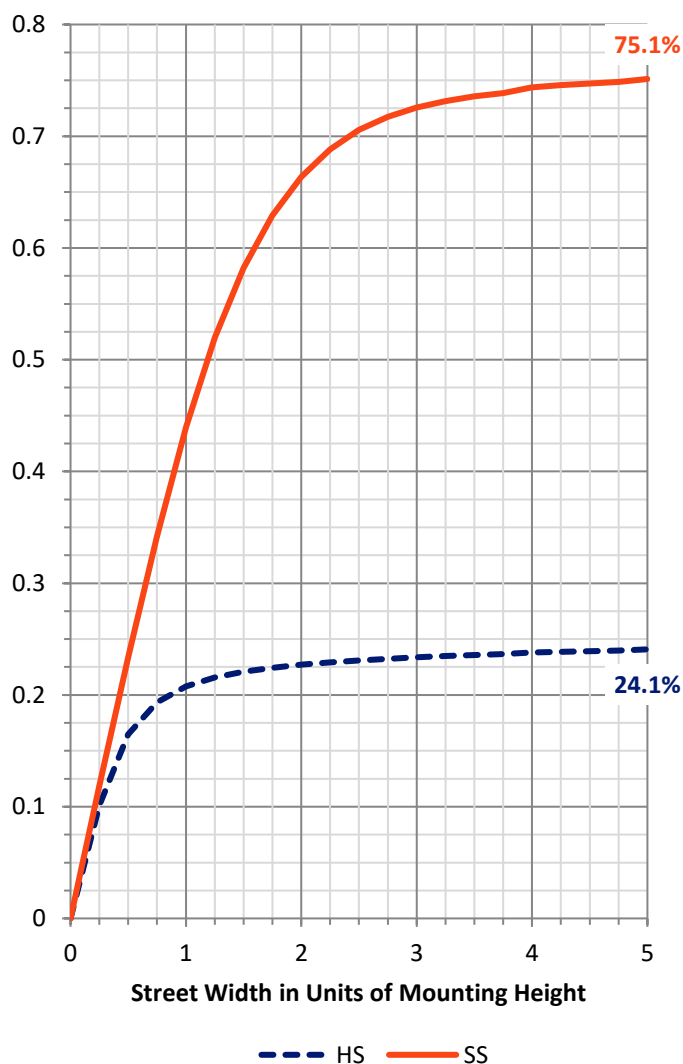
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12666.8	0.0	12666.8
	% Fixture	24.6	0.0	24.6
Street Side	Lumens	38855.0	0.0	38855.0
	% Fixture	75.4	0.0	75.4
Total	Lumens	51521.7	0.0	51521.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.7	1.0
10°-20°	1631.8	3.2
20°-30°	3056.2	5.9
30°-40°	5192.9	10.1
40°-50°	7968.8	15.5
50°-60°	10411.6	20.2
60°-70°	11855.5	23.0
70°-80°	8950.7	17.4
80°-90°	1953.4	3.8
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°	51521.7	100.0
0°-180°	51521.7	100.0

Coefficient of Utilization



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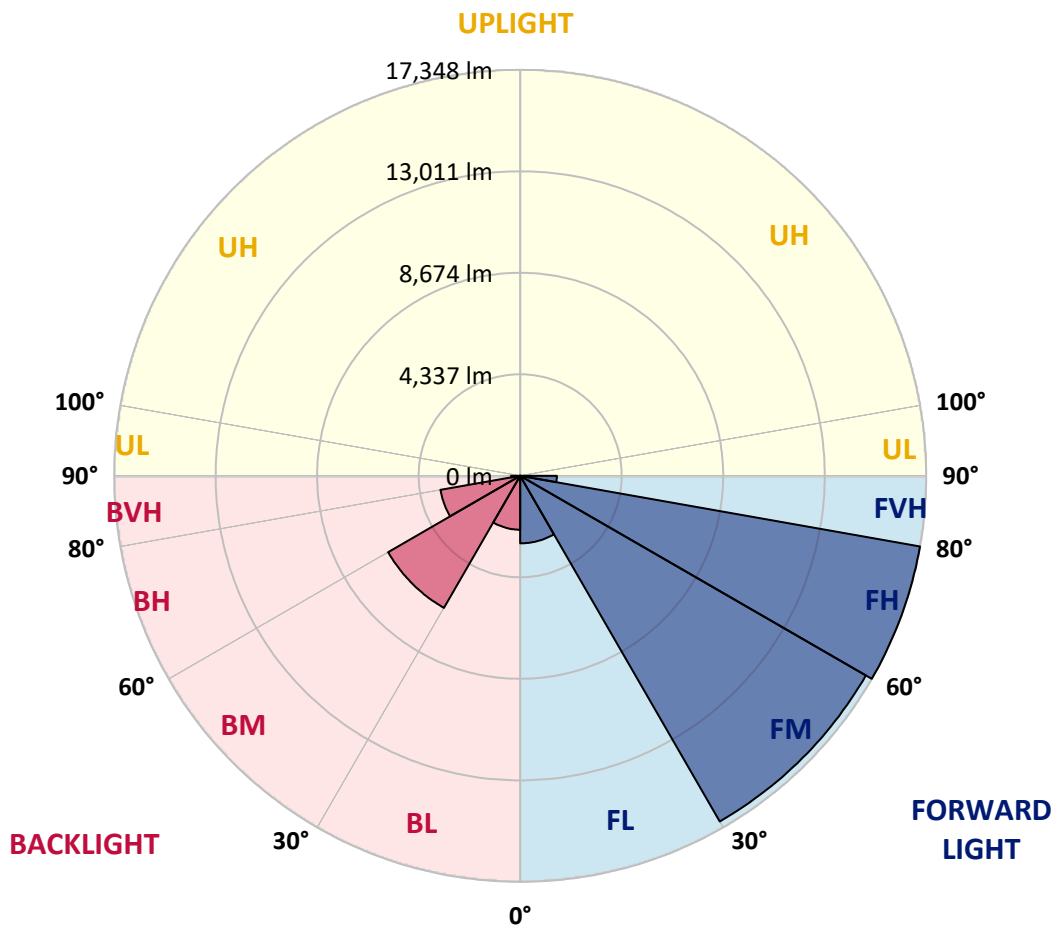
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2885.6	5.6			
FM (30°-60°)	17055.7	33.1			
FH (60°-80°)	17347.6	33.7			G5
FVH (80°-90°)	1566.1	3.0			G5
BL (0°-30°)	2303.2	4.5	B3/2500		
BM (30°-60°)	6517.6	12.7	B4/8500		
BH (60°-80°)	3458.7	6.7	B4/5000		G4/5000
BVH (80°-90°)	387.3	0.8			G3/500
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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	5083.1	5083.1	5083.1	5083.1	5083.1	5083.1	5083.1	5083.1	5083.1	5083.1	5083.1
2.5°	5276.4	5292.2	5290.2	5282.3	5278.4	5256.7	5229.0	5193.5	5134.4	5106.8	5071.3
5°	5501.3	5513.1	5515.1	5501.3	5485.5	5451.9	5394.8	5339.6	5274.4	5235.0	5166.0
7.5°	5692.6	5702.5	5720.2	5708.4	5700.5	5672.9	5617.7	5552.5	5467.7	5412.5	5315.8
10°	5846.4	5854.4	5868.1	5887.9	5925.4	5901.6	5836.6	5791.2	5714.2	5629.4	5509.1
12.5°	5957.0	5951.0	5990.4	6026.0	6102.9	6128.6	6083.2	6049.6	5974.7	5887.9	5745.8
15°	6008.1	6006.2	6075.2	6164.1	6278.4	6319.9	6319.9	6282.3	6240.9	6173.9	6023.9
17.5°	6118.7	6126.5	6171.9	6286.3	6408.6	6505.2	6598.0	6601.9	6570.3	6525.0	6369.2
20°	6288.3	6302.1	6325.8	6416.5	6552.6	6722.2	6895.8	6958.9	6943.2	6925.4	6803.1
22.5°	6501.3	6507.3	6501.3	6580.2	6761.6	6990.5	7241.0	7345.5	7355.4	7357.4	7296.2
25°	6842.5	6817.0	6751.8	6822.8	7033.9	7298.2	7603.9	7777.5	7822.9	7864.2	8010.3
27.5°	7465.8	7406.7	7284.4	7260.7	7381.0	7671.0	8049.7	8339.7	8404.8	8519.2	8907.7
30°	8471.8	8392.9	8278.6	7929.4	7882.1	8130.6	8611.9	9026.1	9156.3	9503.4	9951.2
32.5°	9491.6	9440.3	9312.1	8976.8	8621.8	8714.4	9187.8	9834.8	10114.9	10817.1	11231.3
35°	10367.4	10341.8	10268.7	10105.1	9692.8	9432.5	9844.7	10744.1	11266.8	12363.5	12736.3
37.5°	11211.6	11199.8	11203.7	10980.8	10807.3	10432.5	10598.2	11805.3	12663.4	13982.9	14233.4
40°	11949.3	11955.2	12016.4	11913.8	11884.2	11651.5	11485.8	12937.6	14113.1	15584.6	15643.8
42.5°	12554.8	12560.8	12844.8	12690.9	12874.4	12823.1	12584.4	13994.8	15446.6	16880.5	16872.7
45°	12953.4	12963.2	13243.2	13367.6	13756.1	13925.7	13748.2	15079.6	16691.2	18079.8	17924.0
47.5°	13249.2	13241.3	13401.1	13902.1	14564.8	14900.2	14965.3	16312.5	17898.3	19190.3	18920.1
50°	13408.9	13426.7	13732.5	14401.1	15379.5	15847.0	16204.0	17768.2	19137.0	20261.4	19880.7
52.5°	13509.6	13598.3	14046.1	14840.9	16115.2	16847.0	17294.7	19381.6	20533.5	21373.8	20898.5
55°	13580.6	13742.3	14184.1	15071.8	16572.8	17657.7	18318.5	21046.4	22182.5	22634.3	22014.9
57.5°	13073.7	13229.5	13947.4	15107.3	16933.8	18324.4	19409.2	22803.9	23902.5	24188.6	23119.5
60°	12207.7	12300.5	13225.5	14829.2	16854.8	18929.9	20841.2	24888.8	26038.8	26060.5	24283.3
62.5°	11316.1	11353.6	12288.6	14103.2	16499.8	19129.2	22273.3	27668.1	28571.4	28295.3	25520.0
65°	10132.6	10174.1	11138.6	12909.9	15641.8	18908.2	23445.0	30597.2	31861.5	31123.9	26746.9
67.5°	8586.2	8677.0	9572.5	11213.5	14115.1	18054.1	24285.3	32615.0	33390.2	32755.0	27595.0
69°	7503.4	7588.1	8339.7	10039.9	12925.7	17091.6	24638.3	33147.6	33768.9	33076.6	27737.1
70°	6724.2	6789.3	7493.5	9162.2	11994.7	16269.0	24715.3	33291.6	33749.2	33088.4	27660.1
72.5°	4793.2	4848.4	5231.0	6410.6	9091.2	13627.9	24338.5	32901.0	33236.3	32283.7	26652.2
75°	3544.5	3588.0	3816.8	4234.9	5292.2	9643.5	21991.2	31277.6	31634.7	30524.2	24551.5
77.5°	2572.2	2607.7	2828.6	3236.8	3724.1	4540.6	15245.3	28228.2	28579.4	27687.8	21135.1
80°	1755.5	1793.0	1992.2	2337.4	2722.0	3021.9	7485.5	20659.8	22594.8	22160.8	15061.9
82.5°	329.4	404.4	856.1	1213.1	1530.6	1637.1	2830.5	11359.6	13199.9	13464.2	7854.4
85°	219.0	236.7	522.7	508.9	499.0	731.8	1108.5	5446.0	6889.9	7138.4	3390.7
87.5°	108.5	114.4	155.8	215.1	274.2	329.4	364.9	1436.0	2075.1	2224.9	633.2
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°	5083.1	5083.1	5083.1	5083.1	5083.1	5083.1	5083.1	5083.1	5083.1	5083.1	5083.1
2.5°	5057.4	5047.6	5018.0	5006.1	4998.3	4994.4	4947.0	4939.1	4915.4	4899.6	4885.8
5°	5132.4	5116.7	5047.6	5021.9	4982.5	4949.0	4870.0	4836.5	4812.9	4781.3	4767.5
7.5°	5264.5	5237.0	5132.4	5085.1	5016.0	4958.8	4850.3	4799.0	4753.7	4710.3	4702.4
10°	5444.1	5392.8	5248.7	5175.8	5075.2	5008.1	4881.9	4783.2	4716.2	4666.8	4664.9
12.5°	5678.7	5601.9	5428.3	5331.6	5207.4	5104.8	4960.8	4812.9	4702.4	4623.5	4619.6
15°	5958.9	5878.0	5702.5	5578.1	5432.2	5294.2	5063.4	4844.4	4661.0	4534.8	4519.0
17.5°	6302.1	6225.1	6065.4	5964.8	5759.6	5487.4	5160.0	4832.6	4570.3	4396.7	4371.0
20°	6736.0	6757.7	6607.8	6388.9	6047.7	5647.3	5207.4	4771.5	4390.7	4148.1	4112.6
22.5°	7341.6	7414.5	7164.1	6761.6	6266.6	5732.0	5187.7	4609.7	4144.2	3850.3	3820.7
25°	8083.2	8061.5	7609.9	7035.8	6379.0	5730.0	5077.1	4378.9	3830.6	3499.2	3477.5
27.5°	8858.4	8728.3	8030.0	7227.1	6398.7	5621.6	4860.2	4031.8	3469.6	3193.5	3128.4
30°	9846.7	9483.7	8460.0	7388.9	6333.6	5414.5	4467.7	3698.4	3262.5	2962.6	2919.3
32.5°	10988.7	10385.1	8943.2	7438.3	6189.6	5097.0	4041.6	3544.5	3126.4	2785.1	2735.8
35°	12316.1	11539.0	9503.4	7456.0	5915.5	4625.5	3810.9	3455.8	3035.7	2649.0	2583.9
37.5°	13704.8	12761.9	10193.8	7436.3	5596.0	4108.7	3649.1	3327.6	2933.1	2617.5	2580.0
40°	14959.3	13939.6	10972.9	7381.0	5158.0	3773.3	3473.5	3150.0	2844.3	2605.7	2576.1
42.5°	16109.3	14965.3	11718.6	7288.3	4611.6	3534.7	3280.3	3017.9	2731.9	2440.0	2380.7
45°	17105.4	15912.1	12270.8	7067.4	4000.2	3290.1	3047.5	2834.5	2564.2	2274.2	2215.1
47.5°	17959.5	16693.1	12704.8	6688.7	3507.1	3061.3	2783.2	2615.5	2378.8	2102.6	2043.5
50°	18831.3	17328.3	12959.2	6063.4	3094.8	2799.0	2520.9	2361.0	2157.9	1956.7	1921.2
52.5°	19766.3	18359.9	13330.0	5033.8	2714.1	2522.8	2242.7	2069.1	1919.3	1834.4	1800.9
55°	20711.1	19275.1	13466.1	3806.8	2380.7	2305.8	1980.4	1755.5	1649.0	1595.8	1587.8
57.5°	21649.9	20056.3	13000.6	2710.2	2159.9	2055.4	1700.3	1487.3	1361.0	1398.5	1455.7
60°	22610.6	20626.3	11811.2	2120.4	1986.3	1755.5	1463.6	1305.8	1250.6	1209.1	1211.1
62.5°	23498.2	20892.5	9787.4	1800.9	1818.7	1570.1	1380.7	1226.8	1171.6	1100.6	1079.0
65°	24088.0	20423.1	7639.4	1666.8	1666.8	1522.8	1376.8	1228.8	1153.9	1029.6	1008.0
67.5°	23918.3	19200.2	5653.2	1546.4	1570.1	1542.5	1410.3	1224.9	1132.2	1013.9	1006.0
69°	23372.0	18028.5	4341.5	1510.9	1554.3	1560.3	1449.7	1244.6	1155.9	976.4	933.0
70°	22823.6	17125.1	3593.9	1481.3	1550.4	1572.0	1481.3	1268.3	1138.1	917.2	889.6
72.5°	20959.6	14474.1	1810.7	1367.0	1544.5	1585.9	1550.4	1357.1	1128.3	883.6	860.0
75°	18427.0	11132.7	1161.8	1270.3	1495.1	1601.6	1605.6	1439.9	1132.2	863.9	834.4
77.5°	14764.1	6453.9	964.5	1161.8	1402.5	1570.1	1623.3	1503.0	1179.6	897.5	863.9
80°	7850.5	2552.3	775.2	992.2	1284.1	1475.4	1574.1	1481.3	1167.7	749.6	727.8
82.5°	3475.5	792.9	568.1	779.1	1009.9	1290.0	1337.4	1303.8	1021.7	453.6	518.7
85°	976.4	327.4	378.7	560.2	698.3	913.2	1047.4	1051.3	792.9	197.2	45.4
87.5°	100.6	74.9	110.4	215.1	402.3	633.2	765.4	733.8	530.6	167.7	3.9
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)