

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: P478172

Luminaire Tested: **IFLD-S-SA6B-740-U-T4FT**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P478172
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-740-U-T4FT
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

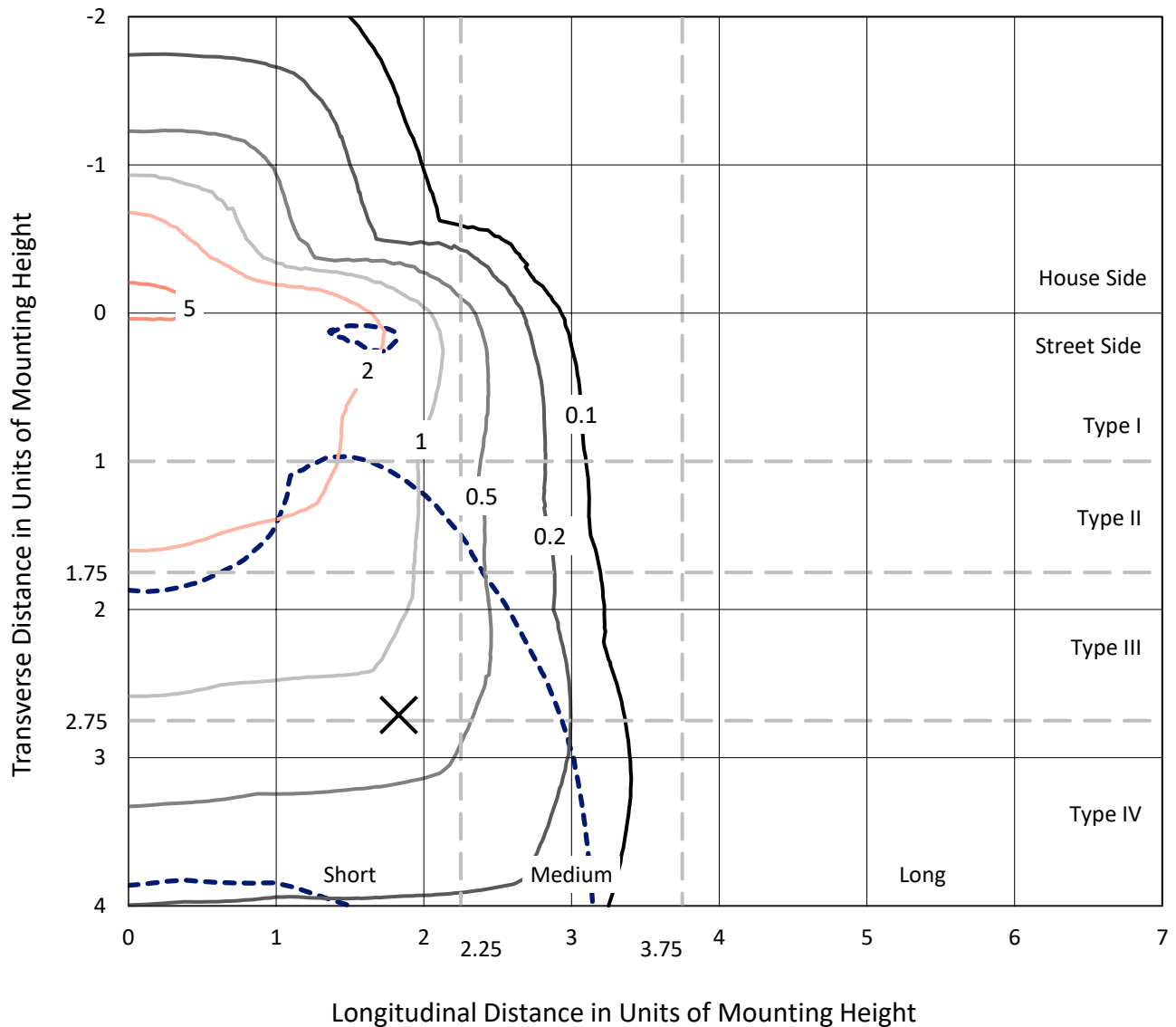
Lumens per Lamp: N/A
Luminaire Lumens: 34197.2 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 244.9
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

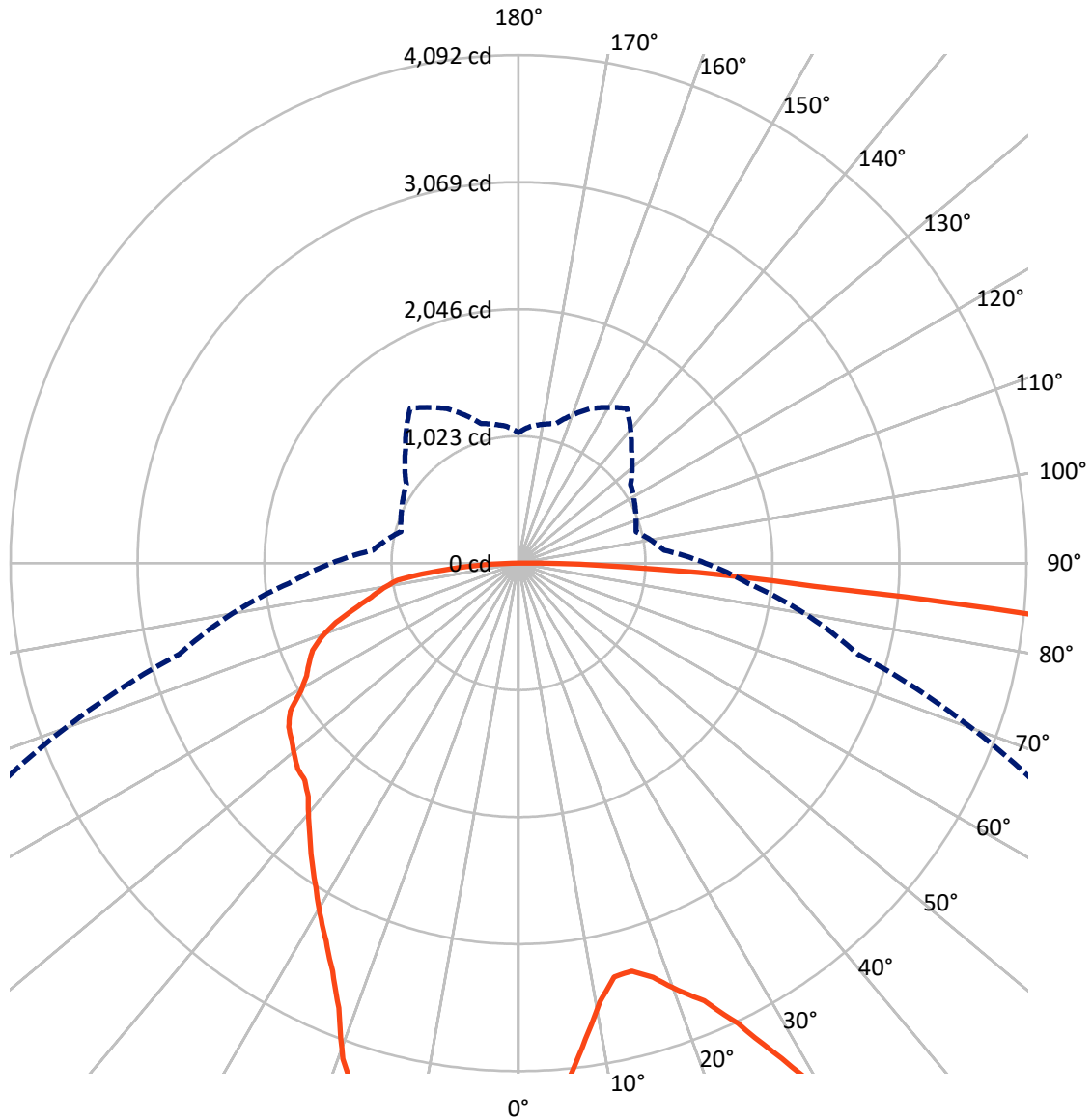
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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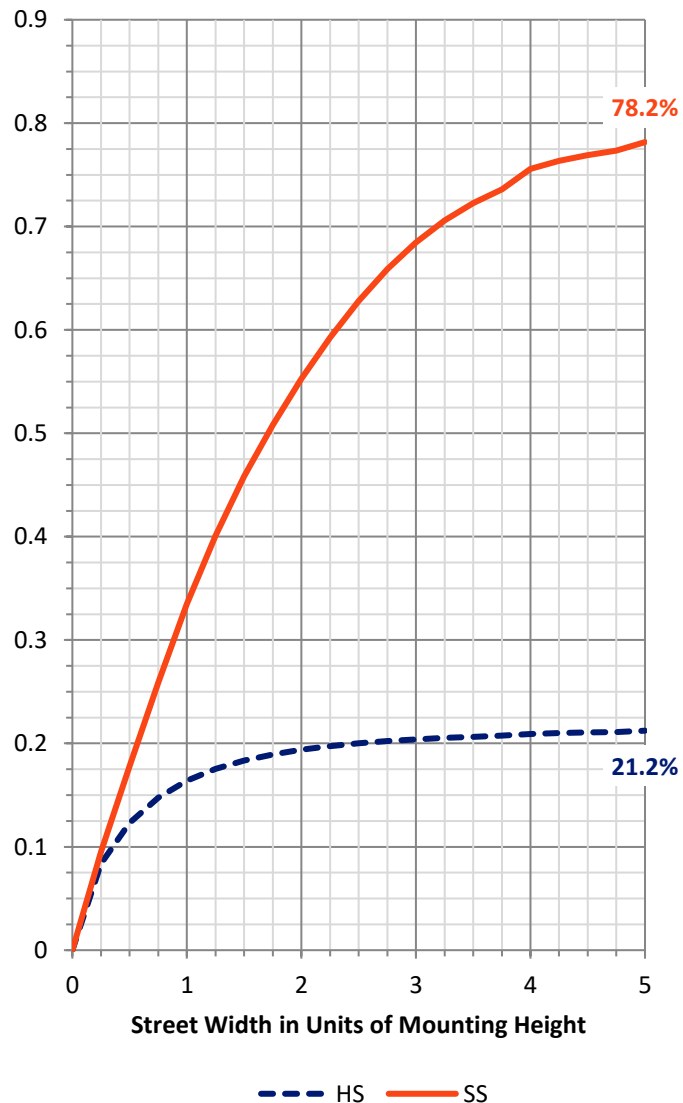
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7387.0	0.0	7387.0
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	26810.2	0.0	26810.2
	% Fixture	78.4	0.0	78.4
Total	Lumens	34197.2	0.0	34197.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.5	1.3
10°-20°	1266.3	3.7
20°-30°	2084.2	6.1
30°-40°	3116.9	9.1
40°-50°	4620.7	13.5
50°-60°	6659.0	19.5
60°-70°	8497.7	24.8
70°-80°	6612.6	19.3
80°-90°	887.1	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°	34197.2	100.0
0°-180°	34197.2	100.0

Coefficient of Utilization



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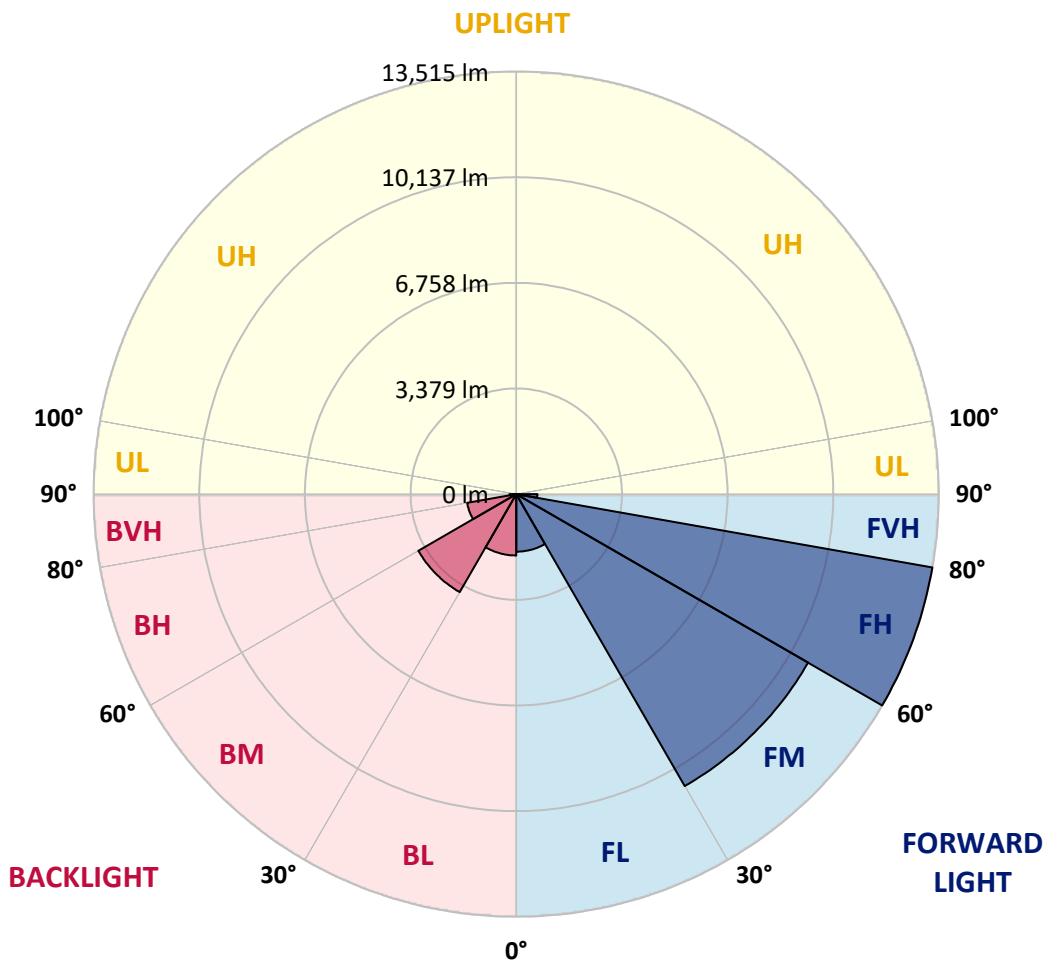
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1840.4	5.4			
FM (30°-60°)	10779.2	31.5			
FH (60°-80°)	13515.4	39.5			G5
FVH (80°-90°)	675.3	2.0			G4/750
BL (0°-30°)	1962.7	5.7	B3/2500		
BM (30°-60°)	3617.4	10.6	B3/5000		
BH (60°-80°)	1595.0	4.7	B3/2500		G3/2500
BVH (80°-90°)	211.9	0.6			G2/225
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°	34°	35°	45°	55°	65°	75°	85°
0°	4902.7	4902.7	4902.7	4902.7	4902.7	4902.7	4902.7	4902.7	4902.7	4902.7	4902.7
2.5°	4392.9	4407.4	4454.4	4465.2	4515.8	4486.9	4548.4	4656.8	4718.3	4808.7	4917.2
5°	4045.8	3984.4	4013.3	4125.4	4183.2	4197.7	4262.7	4447.1	4562.8	4696.6	4899.1
7.5°	3637.3	3626.4	3684.3	3756.6	3872.3	3883.1	4027.7	4190.4	4429.1	4725.5	4964.2
10°	3358.9	3405.9	3438.4	3514.3	3593.9	3593.9	3778.3	4060.3	4331.4	4617.1	4978.6
12.5°	3344.4	3315.5	3322.7	3362.5	3420.3	3492.6	3666.2	3919.3	4262.7	4595.4	5040.1
15°	3391.4	3402.2	3337.2	3387.8	3409.5	3434.8	3626.4	3912.0	4219.4	4671.3	5144.9
17.5°	3640.9	3579.4	3478.2	3431.2	3507.1	3507.1	3637.3	3861.4	4226.6	4711.1	5296.8
20°	3836.1	3836.1	3669.8	3619.2	3673.4	3662.6	3753.0	3919.3	4262.7	4790.6	5466.7
22.5°	4165.1	4212.1	3937.3	3832.5	3828.9	3857.8	3937.3	4078.4	4364.0	4902.7	5629.4
25°	4638.8	4649.6	4331.4	4223.0	4107.3	4154.3	4168.7	4309.8	4454.4	5032.9	5813.8
27.5°	5166.6	5159.4	4866.5	4595.4	4519.5	4530.3	4450.8	4544.8	4588.2	5072.6	6077.8
30°	5752.4	5687.3	5466.7	5083.5	5022.0	4953.3	4779.8	4776.2	4866.5	5296.8	6442.9
32.5°	6135.6	6052.5	5900.6	5625.8	5455.9	5463.1	5188.3	5184.7	5105.2	5542.7	6761.1
35°	6511.6	6385.1	6345.3	6063.3	5893.4	5911.4	5690.9	5662.0	5517.3	5915.1	7285.4
37.5°	6963.6	6851.5	6913.0	6699.6	6489.9	6403.2	6301.9	6265.8	6077.8	6439.3	8001.2
40°	7462.5	7426.4	7386.6	7281.7	7155.2	7162.4	7054.0	7017.8	6739.4	7072.0	8688.2
42.5°	8135.0	7997.6	7791.5	7860.2	7925.3	7994.0	7957.9	7863.9	7574.6	7715.6	9454.7
45°	8760.5	8579.7	8200.1	8221.8	8489.3	8543.6	8981.1	8970.2	8388.1	8532.7	10326.0
47.5°	9183.5	9100.4	8872.6	8847.3	9230.5	9226.9	10015.1	10015.1	9245.0	9346.2	11262.5
50°	9812.6	9595.7	9498.1	9624.6	9819.9	9953.6	11070.9	11139.6	10087.4	10195.9	12488.2
52.5°	10550.2	10279.0	10033.2	10358.6	10705.7	10792.5	12115.8	12086.8	10734.6	11182.9	13923.5
55°	11161.2	11023.9	10853.9	11041.9	11609.6	11718.0	13164.3	12896.7	11381.8	12000.1	14614.1
57.5°	11873.5	11956.7	11992.8	11945.8	12621.9	12791.9	14361.0	13594.5	11938.6	12549.6	15019.1
60°	12947.3	12998.0	13045.0	13157.0	13872.9	14111.5	15308.3	14469.5	12289.3	12867.8	15051.6
62.5°	14581.6	14386.3	14491.2	14878.0	15452.9	15724.1	16703.9	15084.1	12556.9	13059.4	13988.6
65°	16450.8	16186.9	16078.4	16577.4	18067.0	17850.0	18446.6	15543.3	12170.0	12343.5	11862.7
67.5°	18345.4	18374.3	18095.9	19097.4	20923.3	20923.3	20066.4	15763.9	11121.5	10004.3	8319.4
70°	19849.4	19939.8	20091.7	22033.2	24925.7	25363.2	22073.0	14860.0	8984.7	6659.9	4548.4
72.5°	19827.8	19556.6	20333.9	23909.7	28563.0	28197.8	22492.4	11750.6	5607.7	3261.2	2086.2
73°	19383.0	19155.3	20004.9	23891.6	28711.2	28367.7	22185.1	10832.2	4946.1	2827.4	1854.8
75°	15828.9	15416.8	16863.0	21639.1	26563.5	26827.5	18847.9	7064.8	2711.7	1742.7	1305.2
77.5°	7216.7	7397.4	9281.2	14516.5	20471.3	20782.3	12390.5	3055.2	1486.0	1222.1	961.7
80°	2317.6	2433.3	3611.9	7216.7	12831.6	13392.0	5727.1	1388.4	1059.4	936.4	719.5
82.5°	885.8	882.2	1514.9	3000.9	6081.4	6439.3	2093.4	846.0	788.2	690.6	509.8
85°	310.9	325.4	571.3	1185.9	2393.5	2505.6	726.7	470.0	546.0	462.8	292.9
87.5°	108.5	112.1	202.5	430.3	824.3	871.4	202.5	188.0	271.2	267.6	148.2
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°	4902.7	4902.7	4902.7	4902.7	4902.7	4902.7	4902.7	4902.7	4902.7	4902.7	4902.7
2.5°	4953.3	4985.9	4996.7	5126.9	5126.9	5126.9	5177.5	5177.5	5163.0	5126.9	5213.6
5°	4975.0	5032.9	5144.9	5257.0	5286.0	5311.3	5380.0	5322.1	5343.8	5307.6	5340.2
7.5°	5036.5	5116.0	5325.7	5394.4	5347.4	5401.7	5329.3	5289.6	5249.8	5264.3	5213.6
10°	5141.3	5242.6	5340.2	5466.7	5376.3	5322.1	5173.9	5137.7	5011.2	4967.8	5007.6
12.5°	5271.5	5394.4	5560.7	5513.7	5340.2	5184.7	5025.6	4873.8	4797.9	4689.4	4718.3
15°	5401.7	5542.7	5568.0	5488.4	5271.5	5076.3	4787.0	4573.7	4497.8	4400.1	4450.8
17.5°	5542.7	5676.4	5633.0	5427.0	5134.1	4837.6	4508.6	4298.9	4139.8	4078.4	4078.4
20°	5752.4	5817.4	5748.7	5325.7	4967.8	4577.3	4259.1	4020.5	3861.4	3836.1	3796.3
22.5°	5915.1	6019.9	5712.6	5177.5	4725.5	4237.4	3872.3	3781.9	3734.9	3695.1	3644.5
25°	6124.8	6121.1	5647.5	5040.1	4309.8	3832.5	3611.9	3604.7	3583.0	3568.6	3637.3
27.5°	6323.6	6240.5	5571.6	4700.2	3879.5	3525.2	3405.9	3485.4	3517.9	3496.2	3525.2
30°	6638.2	6500.8	5463.1	4338.7	3499.9	3214.2	3235.9	3344.4	3398.6	3431.2	3387.8
32.5°	6970.8	6761.1	5239.0	3962.7	3163.6	3019.0	3069.6	3181.7	3246.8	3282.9	3322.7
35°	7451.7	6963.6	5011.2	3470.9	2921.4	2899.7	2928.6	2990.1	3084.1	3109.4	3120.2
37.5°	8044.6	7270.9	4703.8	3076.8	2733.4	2758.7	2787.6	2809.3	2812.9	2859.9	2841.8
40°	8637.6	7531.2	4255.5	2700.8	2538.1	2675.5	2661.1	2621.3	2588.7	2545.4	2534.5
42.5°	9158.2	7759.0	3756.6	2382.7	2364.6	2588.7	2541.7	2440.5	2364.6	2332.0	2277.8
45°	9743.9	8080.8	3254.0	2183.8	2230.8	2483.9	2469.4	2314.0	2216.3	2100.6	2086.2
47.5°	10503.2	8417.0	2773.1	1977.7	2104.3	2444.1	2451.4	2252.5	2111.5	1956.0	1934.3
50°	11475.8	8901.5	2408.0	1890.9	2028.3	2386.3	2397.1	2169.3	1984.9	1825.9	1811.4
52.5°	12408.6	9396.8	2104.3	1757.2	1977.7	2317.6	2342.9	2093.4	1880.1	1681.2	1692.1
55°	12878.6	9216.1	1843.9	1659.5	1862.0	2205.5	2299.5	2039.2	1721.0	1583.6	1580.0
57.5°	12983.5	8771.4	1637.9	1558.3	1764.4	2086.2	2227.2	1876.5	1648.7	1533.0	1518.5
60°	12640.0	7994.0	1475.1	1449.8	1641.5	1963.3	2060.9	1789.7	1576.4	1482.4	1460.7
62.5°	11794.0	7187.7	1363.1	1399.2	1536.6	1829.5	1956.0	1728.2	1507.7	1442.6	1395.6
65°	9671.6	5911.4	1272.7	1301.6	1428.1	1699.3	1890.9	1659.5	1446.2	1384.8	1381.1
67.5°	6699.6	4074.7	1200.4	1254.6	1341.4	1605.3	1825.9	1583.6	1366.7	1345.0	1316.1
70°	3431.2	2173.0	1106.4	1149.7	1247.4	1486.0	1710.2	1504.1	1283.5	1279.9	1243.8
72.5°	1739.1	1272.7	997.9	1063.0	1131.7	1330.5	1565.5	1399.2	1178.7	1138.9	1081.1
73°	1504.1	1178.7	979.8	1037.7	1102.7	1287.1	1522.2	1373.9	1164.2	1106.4	1052.1
75°	1095.5	929.2	878.6	936.4	987.0	1160.6	1377.5	1258.2	1070.2	1008.7	958.1
77.5°	820.7	715.9	730.3	795.4	838.8	1001.5	1225.7	1138.9	969.0	885.8	864.1
80°	603.8	546.0	603.8	665.3	697.8	882.2	1117.2	987.0	817.1	723.1	705.0
82.5°	430.3	397.7	466.4	506.2	520.6	730.3	1005.1	788.2	618.3	495.3	455.6
85°	245.9	242.2	314.6	310.9	321.8	426.6	661.6	524.3	397.7	303.7	296.5
87.5°	108.5	119.3	159.1	126.5	133.8	202.5	282.0	195.2	162.7	90.4	68.7
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)