

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: P481137

Luminaire Tested: **IFLD-S-SA6C-722-U-RW**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P481137  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-722-U-RW  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ RW distribution lens  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

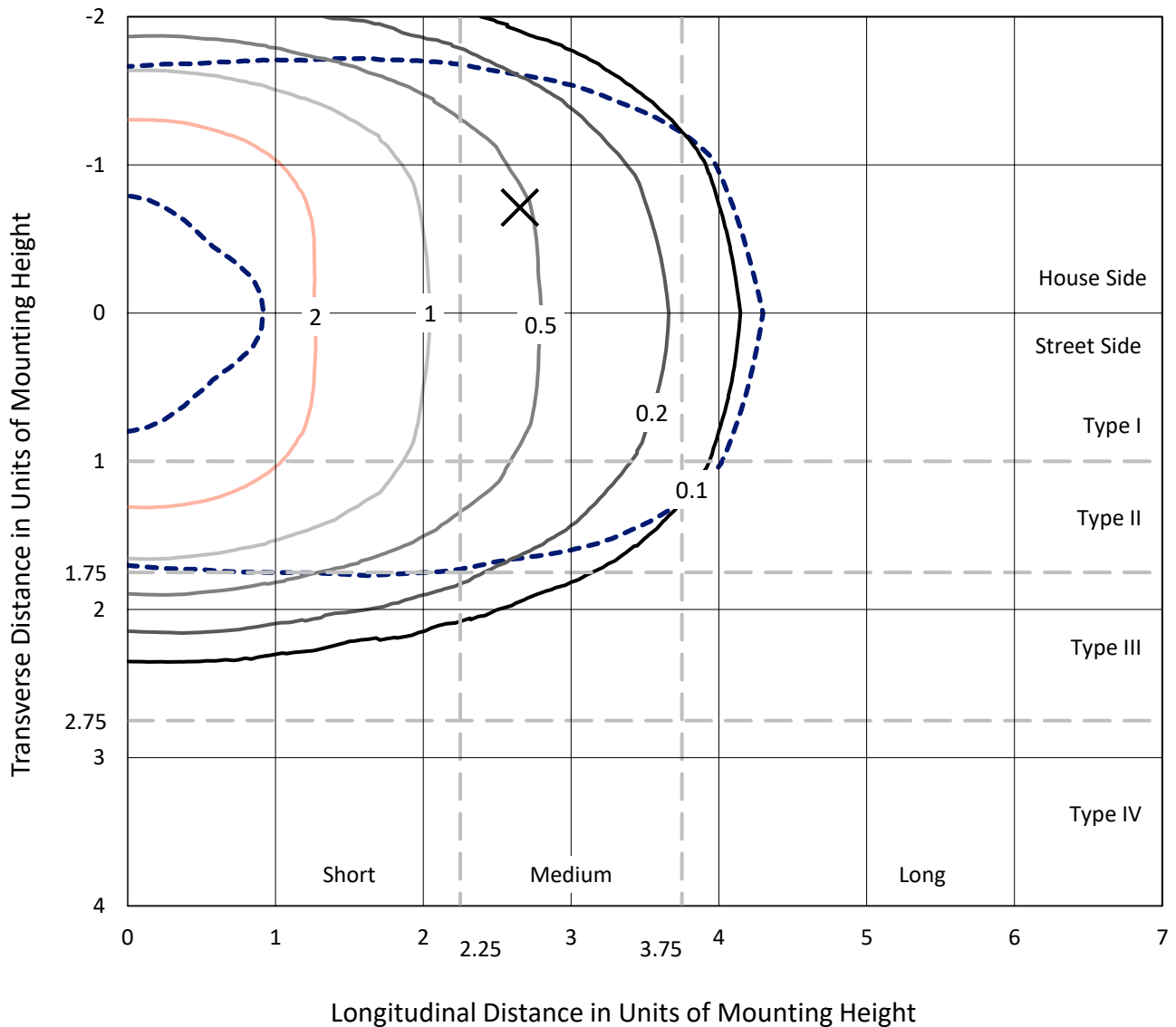
Lumens per Lamp: N/A  
Luminaire Lumens: 31526.1 lumens  
Efficiency: N/A  
Efficacy: 98.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B5 - U0 - G5

Input Watts (W): 321.5  
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

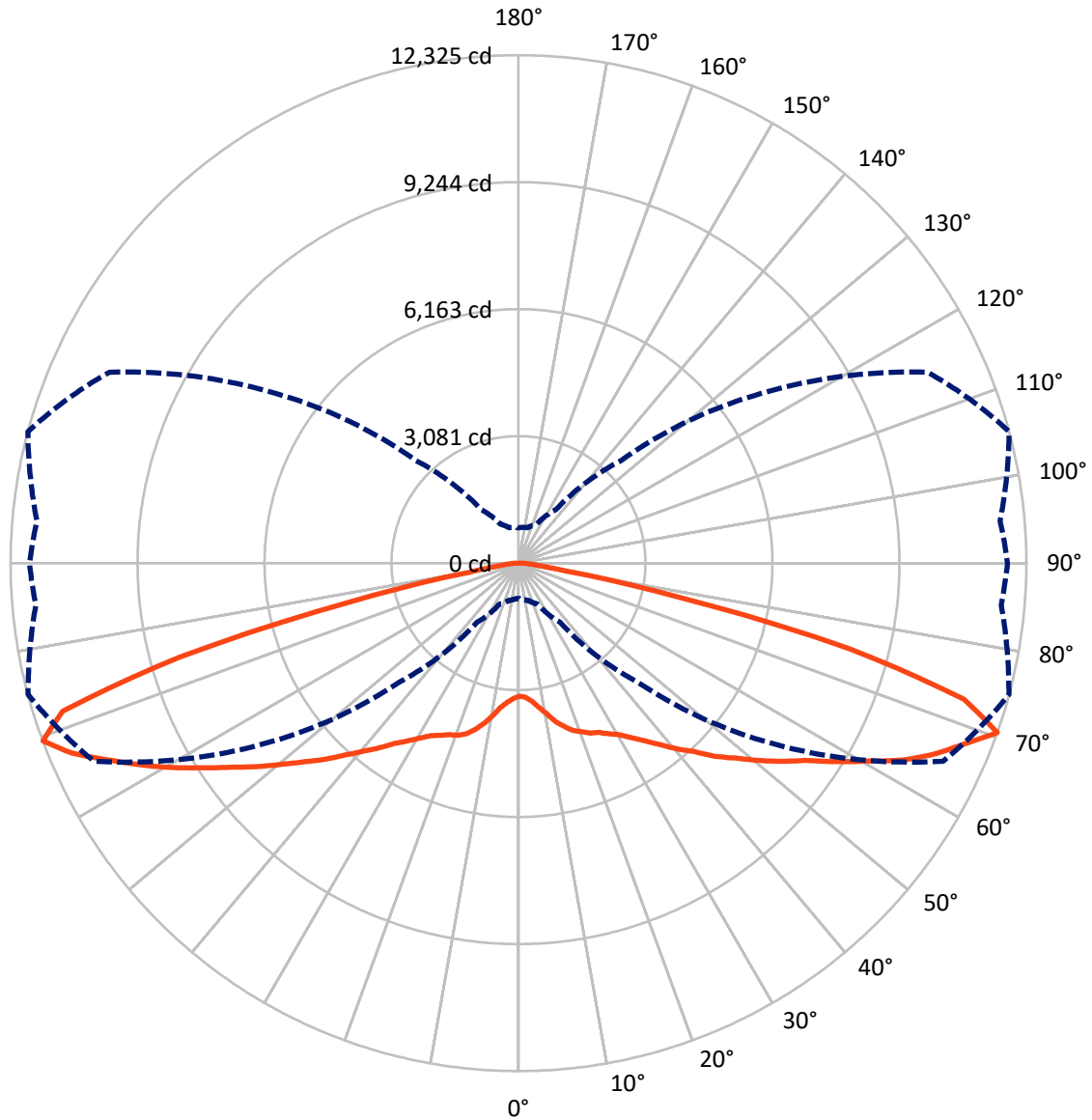
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 105-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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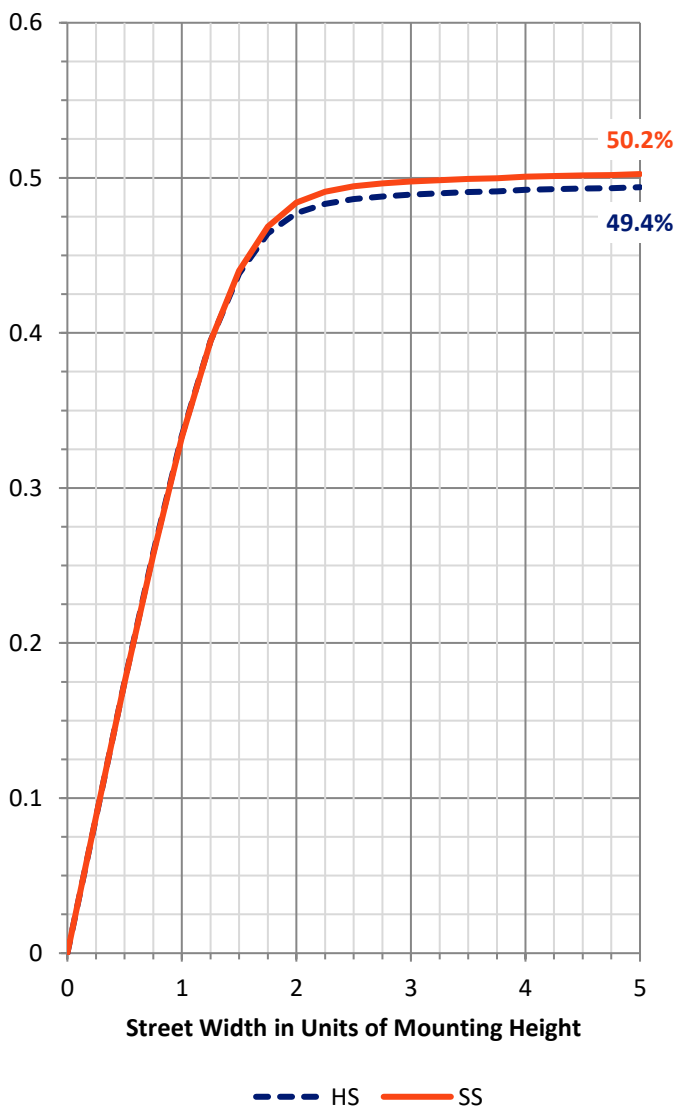
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	15650.9	0.0	15650.9
	% Fixture	49.6	0.0	49.6
<b>Street Side</b>	Lumens	15875.2	0.0	15875.2
	% Fixture	50.4	0.0	50.4
<b>Total</b>	Lumens	31526.1	0.0	31526.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	321.3	1.0
10°-20°	1094.1	3.5
20°-30°	2118.5	6.7
30°-40°	3583.2	11.4
40°-50°	5716.3	18.1
50°-60°	7824.4	24.8
60°-70°	7375.0	23.4
70°-80°	3248.9	10.3
80°-90°	244.5	0.8
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°	31526.1	100.0
0°-180°	31526.1	100.0

**Coefficient of Utilization**

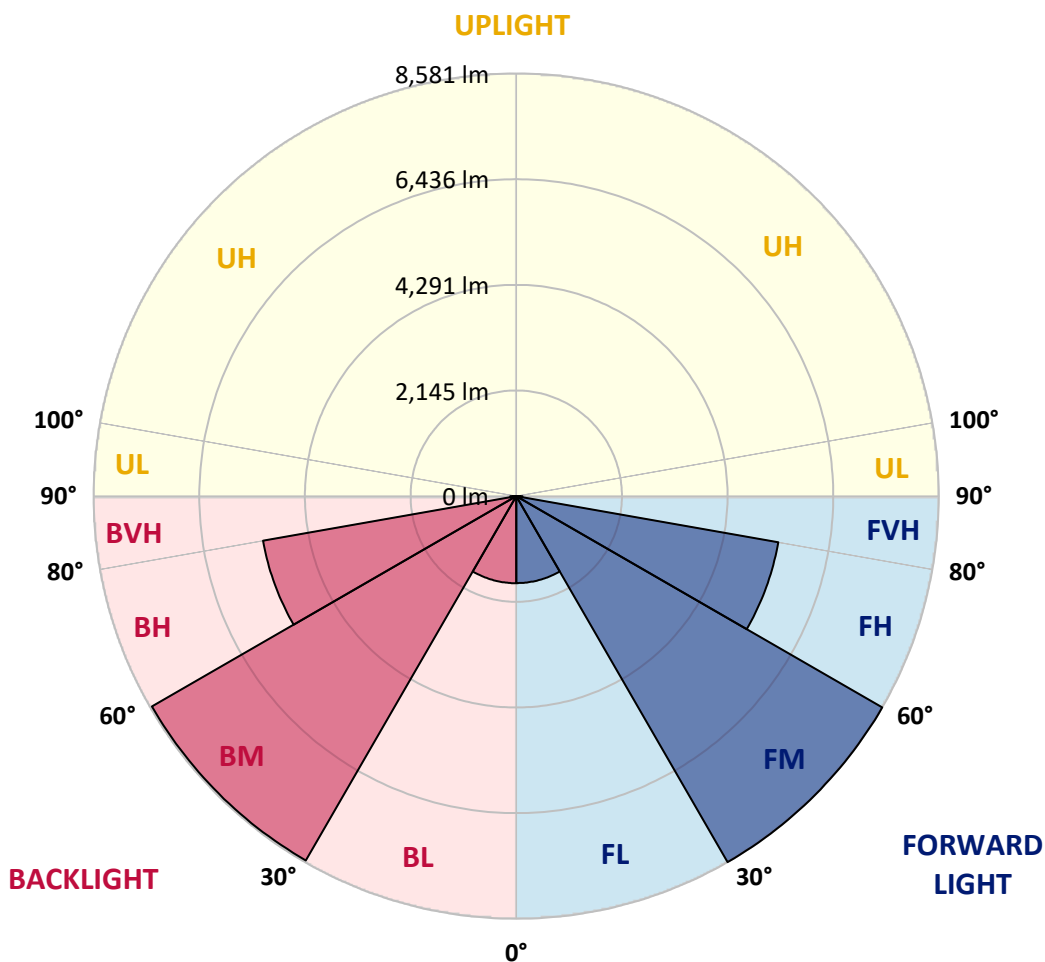


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1766.0	5.6			
FM (30°-60°)	8581.1	27.2			
FH (60°-80°)	5403.2	17.1			G3/7500
FVH (80°-90°)	124.9	0.4			G2/225
BL (0°-30°)	1767.9	5.6	B3/2500		
BM (30°-60°)	8542.8	27.1	B5		
BH (60°-80°)	5220.7	16.6	B5		G5
BVH (80°-90°)	119.6	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G5**  
 Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3228.2	3228.2	3228.2	3228.2	3228.2	3228.2	3228.2	3228.2	3228.2	3228.2	3228.2
2.5°	3207.9	3207.9	3204.5	3221.4	3238.4	3245.2	3258.8	3262.2	3282.6	3265.6	3299.6
5°	3197.7	3194.3	3221.4	3262.2	3262.2	3306.4	3333.6	3371.0	3381.2	3401.5	3408.3
7.5°	3269.0	3262.2	3248.6	3292.8	3330.2	3398.2	3435.5	3500.1	3523.9	3551.1	3581.7
10°	3313.2	3313.2	3299.6	3377.8	3411.7	3503.5	3585.0	3649.6	3741.4	3771.9	3775.3
12.5°	3320.0	3330.2	3371.0	3472.9	3568.1	3687.0	3748.2	3870.5	3962.2	4020.0	4040.4
15°	3421.9	3401.5	3445.7	3585.0	3724.4	3829.7	3938.5	4026.8	4159.3	4234.1	4281.7
17.5°	3513.7	3493.3	3574.9	3741.4	3884.1	4047.2	4142.3	4237.5	4332.6	4400.6	4404.0
20°	3659.8	3676.8	3748.2	3928.3	4115.2	4257.9	4366.6	4383.6	4431.2	4529.7	4512.7
22.5°	3839.9	3826.3	3975.8	4172.9	4376.8	4495.8	4556.9	4512.7	4489.0	4594.3	4618.1
25°	4020.0	4060.8	4196.7	4380.2	4624.9	4784.6	4801.6	4679.3	4590.9	4628.3	4618.1
27.5°	4295.3	4302.1	4444.8	4662.3	4910.3	5049.7	5039.5	4866.2	4696.2	4699.6	4706.4
30°	4648.7	4614.7	4771.0	4968.1	5212.8	5338.5	5355.5	5107.4	4879.7	4811.8	4828.8
32.5°	4988.5	5029.3	5165.2	5389.5	5569.6	5640.9	5603.6	5382.7	5087.0	4995.3	5005.5
35°	5423.4	5416.7	5603.6	5793.8	5929.8	5943.4	5912.8	5590.0	5311.3	5192.4	5144.8
37.5°	5889.0	5950.2	6072.5	6228.8	6371.5	6378.3	6211.8	5953.6	5610.3	5413.3	5471.0
40°	6408.9	6476.9	6565.2	6792.9	6898.2	6789.5	6619.6	6269.6	5912.8	5739.5	5766.7
42.5°	6867.7	6898.2	7078.3	7346.8	7397.8	7350.2	7098.7	6674.0	6259.4	6069.1	6082.7
45°	7289.0	7329.8	7564.3	7805.6	7924.5	7842.9	7550.7	7146.3	6663.8	6500.7	6436.1
47.5°	7676.4	7758.0	7985.7	8233.7	8417.2	8424.0	8063.8	7574.5	7064.8	6850.7	6847.3
50°	7938.1	8057.0	8281.3	8563.3	8831.8	8937.1	8576.9	8050.2	7503.1	7275.4	7251.7
52.5°	8080.8	8203.1	8427.4	8865.8	9164.8	9327.9	9158.0	8495.4	8016.2	7778.4	7741.0
55°	7907.5	7989.1	8356.1	8971.1	9433.3	9701.7	9589.6	9110.4	8526.0	8332.3	8366.2
57.5°	7170.1	7340.0	7792.0	8559.9	9426.5	10085.7	10075.5	9691.5	9113.8	8930.3	8937.1
60°	5902.6	6045.3	6602.6	7676.4	9045.9	10242.0	10602.2	10255.6	9773.1	9559.0	9552.2
62.5°	4166.1	4346.2	4991.9	6164.2	7924.5	10024.5	11207.1	10965.8	10418.7	10262.4	10320.2
65°	2331.1	2439.9	3037.9	4098.2	6038.5	8828.4	11315.8	11703.2	11074.6	10836.7	10846.9
67.5°	1247.1	1287.9	1566.5	2151.0	3693.8	6806.5	10218.2	12128.0	11784.8	11373.6	11309.0
70°	856.3	869.9	941.3	1101.0	1746.6	4071.0	7707.0	11370.2	12318.3	11757.6	11866.3
72.5°	723.8	717.0	734.0	751.0	914.1	1821.4	4522.9	8750.2	11628.5	11417.8	11377.0
75°	628.7	625.3	632.1	615.1	635.5	802.0	2001.5	5454.0	8512.4	9501.2	9654.1
77.5°	519.9	523.3	526.7	509.7	502.9	530.1	805.4	2395.7	4189.9	4624.9	4988.5
80°	394.2	401.0	428.2	411.2	384.0	387.4	475.7	802.0	1202.9	1090.8	1124.8
82.5°	268.5	271.9	329.6	309.2	288.8	261.7	305.8	414.6	468.9	356.8	312.6
85°	190.3	186.9	214.1	197.1	183.5	132.5	183.5	234.5	282.0	176.7	159.7
87.5°	44.2	44.2	88.4	71.4	68.0	54.4	71.4	91.8	122.3	78.2	71.4
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):**

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3228.2	3228.2	3228.2	3228.2	3228.2	3228.2	3228.2	3228.2	3228.2	3228.2
2.5°	3289.4	3258.8	3258.8	3252.0	3224.8	3218.0	3194.3	3201.1	3184.1	3167.1
5°	3404.9	3364.2	3364.2	3306.4	3252.0	3245.2	3218.0	3218.0	3190.9	3197.7
7.5°	3564.7	3527.3	3466.1	3415.1	3340.4	3309.8	3258.8	3252.0	3245.2	3231.6
10°	3755.0	3707.4	3646.2	3540.9	3479.7	3421.9	3371.0	3299.6	3282.6	3286.0
12.5°	4013.2	3938.5	3805.9	3714.2	3636.0	3561.3	3486.5	3381.2	3357.4	3367.6
15°	4196.7	4101.6	3969.0	3935.1	3829.7	3738.0	3615.6	3496.7	3455.9	3445.7
17.5°	4346.2	4268.1	4189.9	4138.9	4054.0	3941.9	3771.9	3636.0	3544.3	3534.1
20°	4468.6	4366.6	4349.6	4380.2	4274.9	4200.1	3992.8	3826.3	3704.0	3653.0
22.5°	4543.3	4478.8	4526.3	4553.5	4546.7	4421.0	4206.9	4013.2	3860.3	3812.7
25°	4624.9	4550.1	4720.0	4811.8	4835.6	4628.3	4461.8	4206.9	4057.4	4026.8
27.5°	4665.7	4692.8	4889.9	5083.6	5066.6	4906.9	4682.7	4455.0	4336.0	4281.7
30°	4784.6	4828.8	5127.8	5345.3	5348.7	5192.4	5022.5	4764.2	4631.7	4607.9
32.5°	4998.7	5053.1	5372.5	5603.6	5644.3	5525.4	5355.5	5195.8	5059.8	5005.5
35°	5161.8	5301.1	5661.3	5872.0	5980.7	5909.4	5814.2	5647.7	5505.0	5457.4
37.5°	5396.3	5590.0	5936.6	6222.0	6344.3	6337.6	6266.2	6086.1	5967.2	5926.4
40°	5732.7	5926.4	6242.4	6619.6	6847.3	6837.1	6796.3	6657.0	6480.3	6459.9
42.5°	6089.5	6249.2	6660.4	7091.9	7418.2	7384.2	7275.4	7112.3	6990.0	6962.8
45°	6436.1	6684.2	7064.8	7618.7	7863.3	7948.3	7819.1	7540.5	7401.2	7384.2
47.5°	6871.1	7068.2	7543.9	8040.0	8403.6	8417.2	8196.3	7938.1	7683.2	7737.6
50°	7258.5	7520.1	8002.6	8546.3	8981.3	8825.0	8543.0	8220.1	8036.6	7965.3
52.5°	7673.0	7992.5	8553.1	9107.0	9348.3	9192.0	8733.2	8373.0	8094.4	8063.8
55°	8277.9	8444.4	9178.4	9603.2	9681.3	9351.7	8675.5	8165.8	7805.6	7717.2
57.5°	8893.0	9086.7	9728.9	10095.9	10014.4	9263.4	8301.7	7513.3	7041.0	6915.2
60°	9514.8	9752.7	10293.0	10629.4	10208.0	8655.1	7244.9	6228.8	5678.3	5566.2
62.5°	10208.0	10517.3	10999.8	11118.7	9633.8	7452.1	5749.7	4495.8	3938.5	3751.6
65°	10823.1	11139.1	11733.8	11016.8	8413.8	5559.4	3717.6	2569.0	2157.8	2008.3
67.5°	11329.4	11686.2	11978.5	9749.3	6160.8	3255.4	1936.9	1352.5	1199.5	1145.2
70°	11730.4	12325.1	10959.0	7166.7	3520.5	1586.9	1046.6	890.3	869.9	856.3
72.5°	11380.4	11302.3	8182.7	4135.5	1542.8	873.3	757.8	734.0	730.6	734.0
75°	9307.5	8301.7	4893.3	1797.6	774.8	632.1	628.7	618.5	635.5	635.5
77.5°	4516.1	3948.7	2045.7	771.4	509.7	496.1	513.1	513.1	513.1	513.1
80°	1046.6	1158.8	730.6	468.9	370.4	370.4	407.8	411.2	394.2	387.4
82.5°	356.8	475.7	401.0	295.6	244.7	275.3	309.2	316.0	261.7	265.1
85°	176.7	278.6	217.5	169.9	125.7	169.9	200.5	210.7	180.1	173.3
87.5°	81.6	122.3	81.6	57.8	44.2	61.2	57.8	47.6	27.2	27.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)