

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: P479352

Luminaire Tested: **IFLD-L-SA7B-740-U-5MQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479352  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7B-740-U-5MQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5MQ distribution lens  
Light Source: (112) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

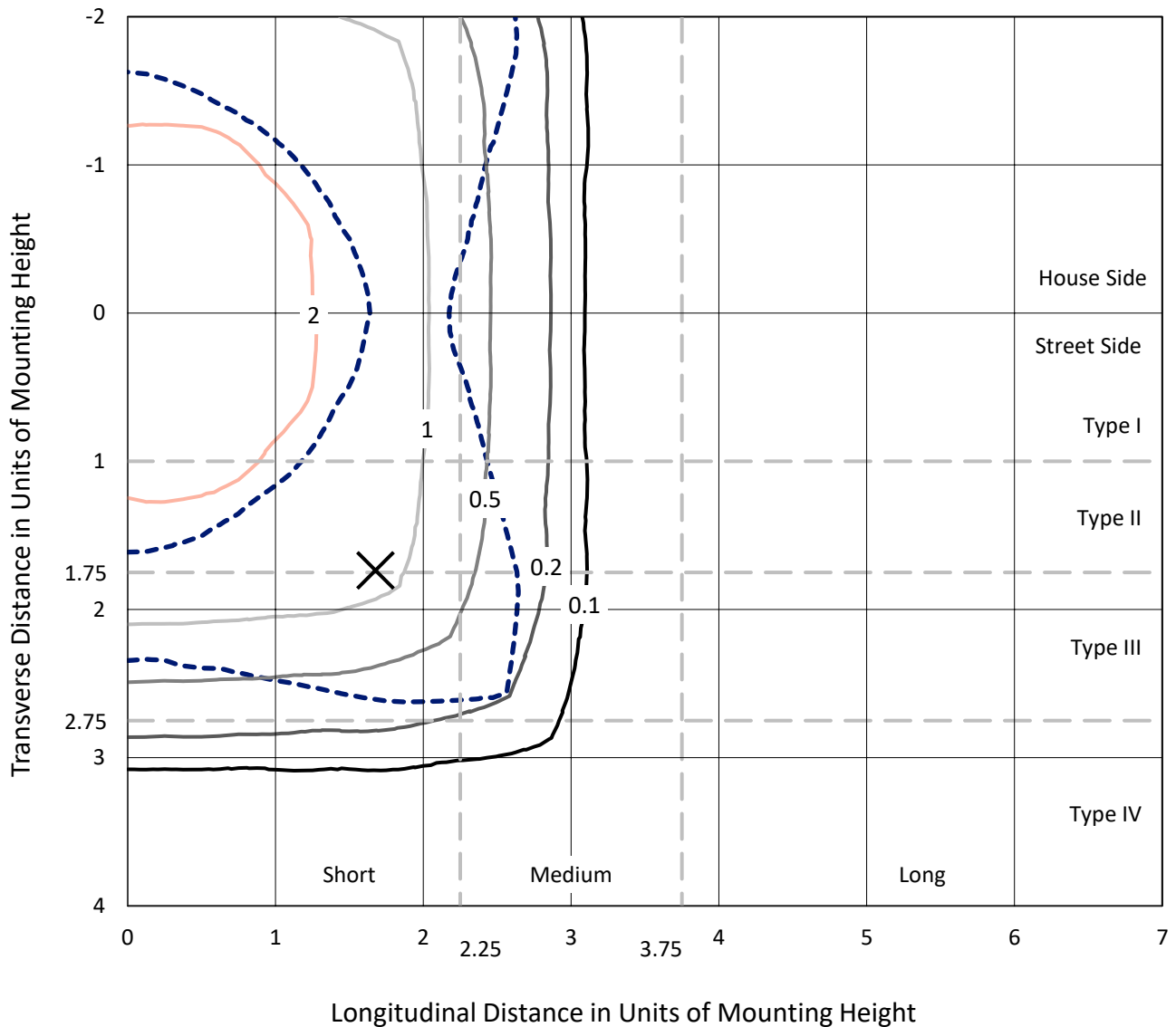
Lumens per Lamp: N/A  
Luminaire Lumens: 35947.1 lumens  
Efficiency: N/A  
Efficacy: 127.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

Input Watts (W): 281  
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: P479352  
 CATALOG NUMBER: IFLD-L-SA7B-740-U-5MQ

### Iso-Footcandle Lines of Horizontal Illumination

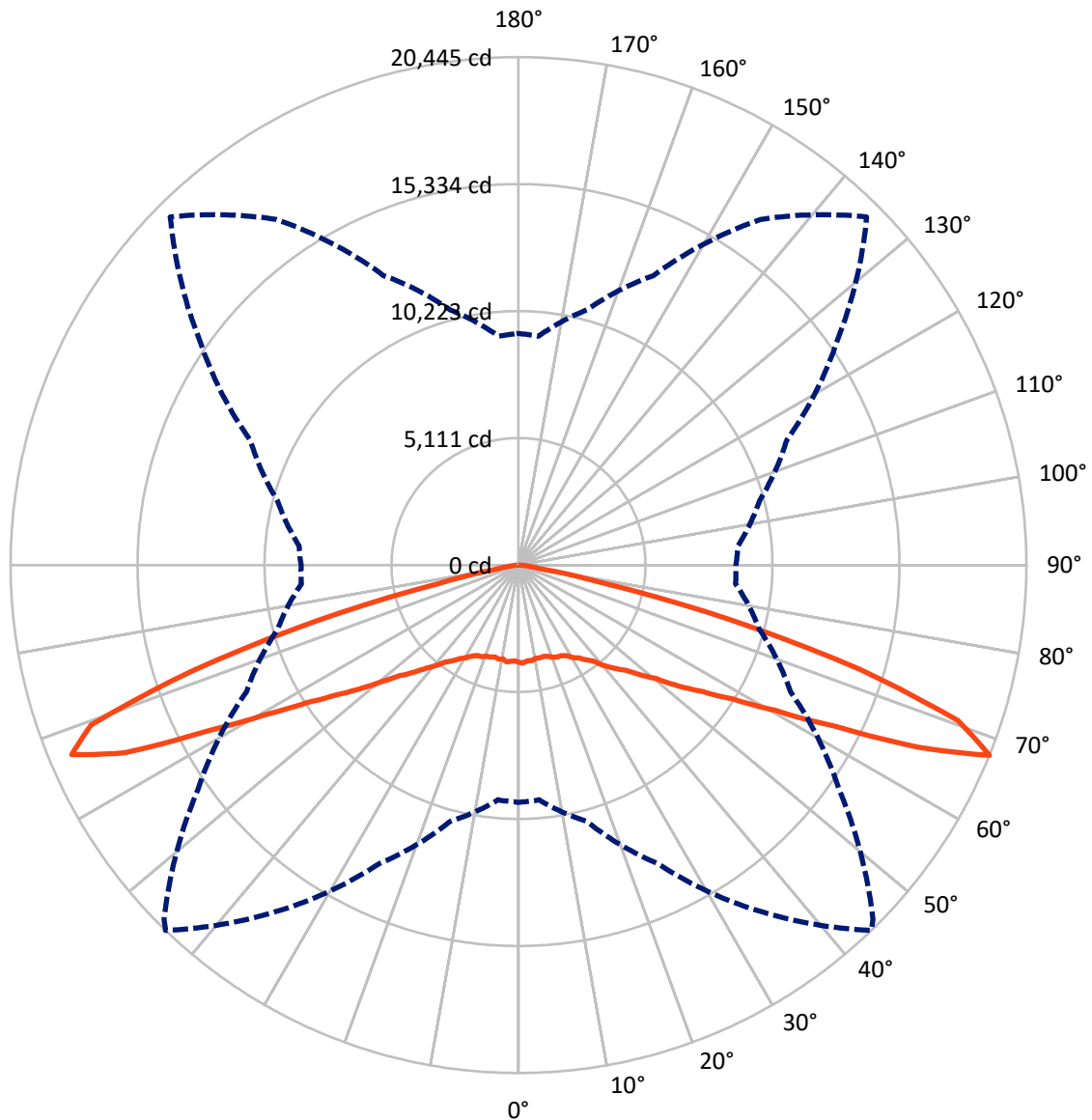
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.4 fc  
 Type V - Short - N/A

REPORT NUMBER: P479352  
CATALOG NUMBER: IFLD-L-SA7B-740-U-5MQ

### Luminous Intensity Polar Plot



— Vertical Plane Through 44-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P479352

CATALOG NUMBER: IFLD-L-SA7B-740-U-5MQ

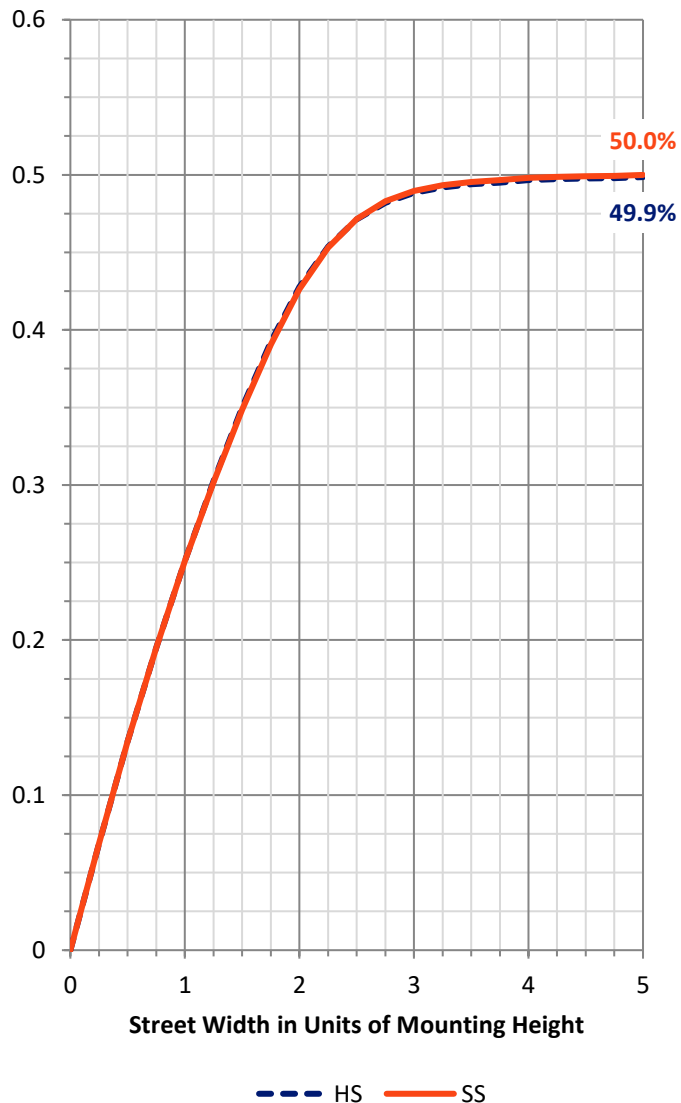
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	17927.5	0.0	17927.5
	% Fixture	49.9	0.0	49.9
<b>Street Side</b>	Lumens	18019.6	0.0	18019.6
	% Fixture	50.1	0.0	50.1
<b>Total</b>	Lumens	35947.1	0.0	35947.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	371.6	1.0
10°-20°	1085.5	3.0
20°-30°	1846.0	5.1
30°-40°	2926.9	8.1
40°-50°	4772.7	13.3
50°-60°	8151.0	22.7
60°-70°	12397.6	34.5
70°-80°	4178.8	11.6
80°-90°	217.0	0.6
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°	35947.1	100.0
0°-180°	35947.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P479352

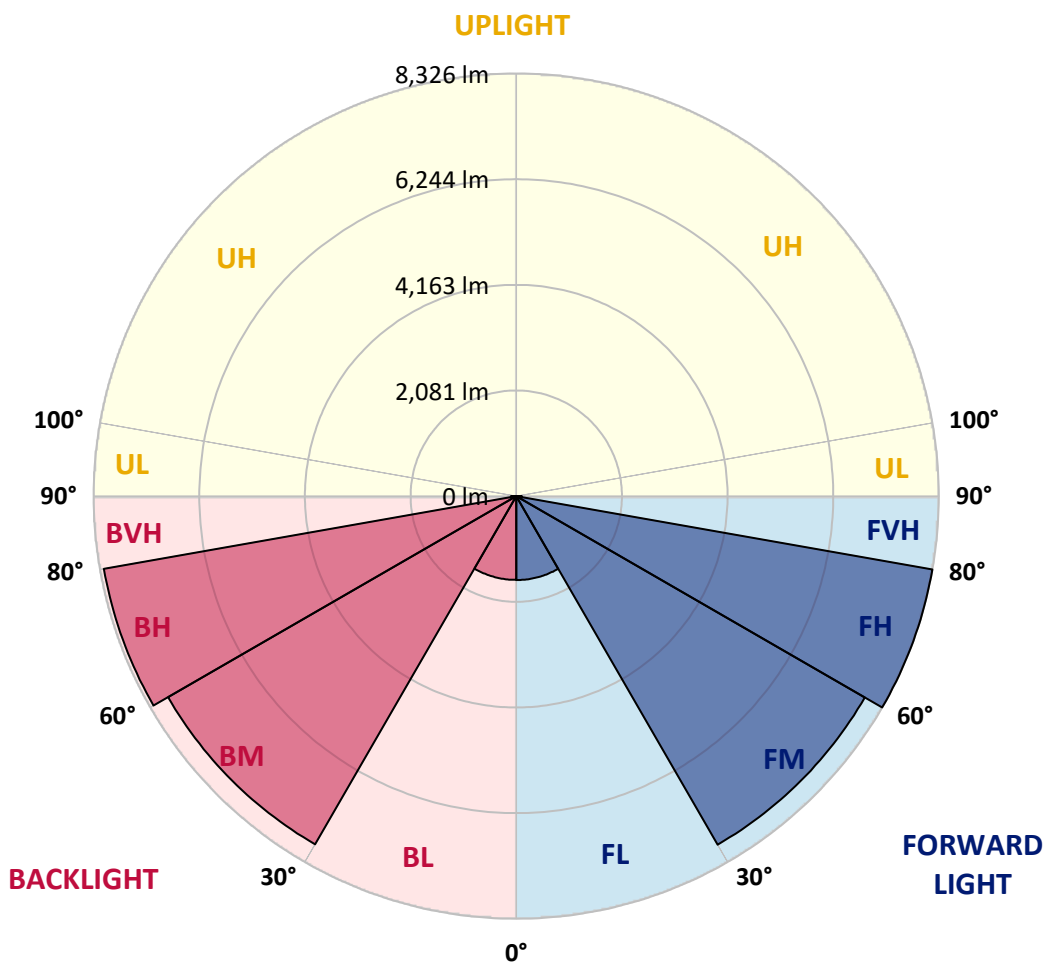
CATALOG NUMBER: IFLD-L-SA7B-740-U-5MQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1653.3	4.6			
FM (30°-60°)	7929.6	22.1			
FH (60°-80°)	8325.7	23.2			G4/12000
FVH (80°-90°)	111.0	0.3			G2/225
BL (0°-30°)	1649.9	4.6	B3/2500		
BM (30°-60°)	7921.0	22.0	B4/8500		
BH (60°-80°)	8250.7	23.0	B5		G4/12000
BVH (80°-90°)	106.0	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B5-U0-G4**

Type V Short





REPORT NUMBER: P479352

CATALOG NUMBER: IFLD-L-SA7B-740-U-5MQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	3926.6	3926.6	3926.6	3926.6	3926.6	3926.6	3926.6	3926.6	3926.6	3926.6	3926.6
2.5°	3836.3	3881.5	3914.3	3910.2	3922.5	3934.8	3918.4	3943.0	3926.6	3955.3	3971.7
5°	3910.2	3897.9	3902.0	3877.4	3934.8	3869.2	3869.2	3902.0	3943.0	3893.8	3922.5
7.5°	3865.1	3856.9	3836.3	3873.3	3885.6	3885.6	3918.4	3856.9	3926.6	3943.0	3947.1
10°	3815.8	3770.7	3832.2	3869.2	3877.4	3811.7	3840.4	3856.9	3836.3	3856.9	3869.2
12.5°	3774.8	3799.4	3799.4	3799.4	3787.1	3832.2	3861.0	3856.9	3815.8	3852.8	3787.1
15°	3770.7	3758.4	3795.3	3828.1	3807.6	3815.8	3828.1	3865.1	3787.1	3803.5	3803.5
17.5°	3766.6	3783.0	3795.3	3791.2	3861.0	3861.0	3848.6	3824.0	3885.6	3852.8	3807.6
20°	3783.0	3770.7	3803.5	3815.8	3865.1	3963.5	3926.6	3906.1	3873.3	3832.2	3832.2
22.5°	3803.5	3795.3	3840.4	3893.8	3988.2	4012.8	4008.7	3984.0	3926.6	3877.4	3869.2
25°	3877.4	3803.5	3852.8	3955.3	3988.2	4037.4	4070.2	4037.4	3959.4	3971.7	3897.9
27.5°	3988.2	3975.8	4041.5	4111.2	4082.5	4127.7	4098.9	4123.6	4127.7	4066.1	3992.3
30°	4119.4	4082.5	4123.6	4259.0	4271.3	4320.5	4271.3	4205.6	4226.1	4172.8	4135.9
32.5°	4308.2	4295.9	4373.8	4464.1	4480.5	4455.9	4431.3	4468.2	4382.0	4341.0	4275.4
35°	4431.3	4484.6	4579.0	4648.7	4702.1	4677.5	4689.8	4652.8	4673.4	4587.2	4558.5
37.5°	4796.4	4775.9	4796.4	4915.4	4927.7	4915.4	4927.7	4968.8	4940.1	4866.2	4792.3
40°	5141.1	5108.3	5157.5	5292.9	5284.7	5325.7	5243.7	5288.8	5288.8	5149.3	5120.6
42.5°	5399.6	5510.4	5567.8	5678.6	5719.6	5682.7	5666.3	5674.5	5764.8	5600.6	5539.1
45°	5933.0	5928.9	6101.2	6162.8	6047.9	6039.7	6006.8	6105.3	6166.9	6072.5	6047.9
47.5°	6511.5	6540.2	6638.7	6663.3	6733.1	6605.9	6605.9	6618.2	6835.7	6614.1	6499.2
50°	7032.6	7069.5	7266.5	7459.3	7328.0	7192.6	7246.0	7311.6	7430.6	7221.3	7122.9
52.5°	7664.5	7865.5	7996.8	8099.4	8193.8	8099.4	7976.3	8050.2	8284.0	8005.0	7881.9
55°	8575.3	8735.4	8858.5	9047.2	9125.2	8998.0	8985.6	8977.4	9108.7	8813.3	8645.1
57.5°	9592.9	9527.2	9724.2	10015.5	10298.6	10175.5	10138.6	10146.8	10179.6	9761.1	9633.9
60°	10856.6	10930.5	11164.4	11418.7	11718.3	11890.6	11648.5	11509.0	11537.7	10967.4	10770.5
62.5°	11578.8	11742.9	12272.2	13146.1	13749.3	14286.8	14323.7	13416.9	12809.7	11701.9	10864.8
65°	11230.0	11205.4	12202.4	13819.0	16104.4	17667.7	17433.8	15234.6	13113.3	11353.1	10228.9
67.5°	9551.9	9486.2	10692.5	13256.9	17031.7	20445.4	20178.7	15747.5	12087.5	10044.2	8772.3
70°	6154.6	6138.1	7447.0	10105.8	15205.9	18771.4	18869.9	14303.2	9839.1	7356.7	6097.1
72.5°	2236.2	2371.6	3130.6	5432.4	10327.3	14360.6	14422.2	10589.9	5658.1	3401.4	2507.0
75°	824.7	849.3	988.8	1764.3	4706.2	8817.4	9047.2	5137.0	2010.5	1107.8	902.7
77.5°	476.0	480.1	529.3	656.5	1395.0	3442.4	3582.0	1559.2	779.6	590.8	545.7
80°	324.1	320.0	373.4	426.7	558.0	976.5	1038.1	652.4	492.4	410.3	344.7
82.5°	188.7	201.0	274.9	303.6	340.6	430.8	439.0	406.2	369.3	303.6	225.7
85°	114.9	94.4	151.8	168.2	196.9	192.8	192.8	221.6	238.0	213.4	127.2
87.5°	28.7	28.7	36.9	41.0	53.3	41.0	45.1	86.2	114.9	106.7	65.6
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: P479352  
 CATALOG NUMBER: IFLD-L-SA7B-740-U-5MQ

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3926.6	3926.6	3926.6	3926.6	3926.6	3926.6	3926.6	3926.6	3926.6	3926.6	3926.6
2.5°	3934.8	3922.5	3930.7	3975.8	3947.1	3861.0	3881.5	3926.6	3889.7	3869.2	3865.1
5°	3918.4	3943.0	3914.3	3922.5	3951.2	3881.5	3893.8	3951.2	3926.6	3934.8	3889.7
7.5°	3922.5	3934.8	3910.2	3873.3	3873.3	3930.7	3897.9	3906.1	3869.2	3930.7	3848.6
10°	3897.9	3865.1	3836.3	3856.9	3848.6	3832.2	3819.9	3844.5	3807.6	3861.0	3803.5
12.5°	3824.0	3832.2	3824.0	3815.8	3832.2	3873.3	3807.6	3815.8	3758.4	3766.6	3795.3
15°	3795.3	3819.9	3811.7	3856.9	3877.4	3815.8	3865.1	3815.8	3770.7	3746.1	3791.2
17.5°	3807.6	3844.5	3832.2	3865.1	3828.1	3873.3	3881.5	3861.0	3807.6	3787.1	3807.6
20°	3819.9	3807.6	3824.0	3881.5	3934.8	3889.7	3889.7	3877.4	3828.1	3799.4	3799.4
22.5°	3848.6	3828.1	3852.8	3897.9	3914.3	3984.0	3922.5	3893.8	3811.7	3737.9	3807.6
25°	3906.1	3918.4	3934.8	3918.4	4008.7	4000.5	3992.3	3971.7	3844.5	3848.6	3836.3
27.5°	4016.9	3947.1	3967.6	4066.1	4078.4	4111.2	4070.2	4107.1	3971.7	3975.8	3893.8
30°	4152.3	4078.4	4144.1	4230.2	4226.1	4287.7	4267.2	4275.4	4181.0	4127.7	4016.9
32.5°	4300.0	4291.8	4332.8	4386.1	4406.7	4439.5	4435.4	4435.4	4377.9	4238.4	4259.0
35°	4464.1	4521.5	4570.8	4628.2	4636.4	4677.5	4620.0	4628.2	4570.8	4468.2	4501.0
37.5°	4788.2	4784.1	4837.5	4907.2	4915.4	4882.6	4927.7	4907.2	4829.3	4759.5	4706.2
40°	5165.7	5083.7	5132.9	5297.0	5309.3	5251.9	5247.8	5243.7	5186.2	5034.4	5001.6
42.5°	5494.0	5600.6	5592.4	5645.8	5608.9	5580.1	5682.7	5625.3	5580.1	5420.1	5391.4
45°	5916.6	5949.4	6056.1	6228.4	6052.0	6052.0	6121.7	6076.6	6052.0	5933.0	5822.2
47.5°	6441.8	6470.5	6683.8	6696.2	6581.3	6503.3	6720.8	6729.0	6626.4	6536.1	6400.7
50°	7057.2	7069.5	7262.4	7459.3	7332.1	7184.4	7406.0	7492.1	7262.4	7139.3	6971.1
52.5°	7734.2	7697.3	7857.3	8226.6	8103.5	8058.4	8296.3	8316.9	8005.0	7812.2	7857.3
55°	8513.8	8464.6	8899.5	9149.8	9071.8	8989.8	9096.4	9145.7	8895.4	8579.4	8690.2
57.5°	9523.1	9547.8	9765.2	10011.4	10138.6	10159.1	10208.4	10159.1	9904.7	9584.7	9482.1
60°	10532.5	10606.3	11029.0	11492.6	11533.6	11894.7	11829.1	11582.9	11221.8	10766.4	10786.9
62.5°	10905.9	10844.3	11525.4	12657.9	13622.1	14282.7	13991.4	13117.4	12280.4	11451.6	11513.1
65°	10155.0	10306.8	11234.1	13006.6	15099.2	17712.8	16161.9	13745.2	12054.7	10983.8	10864.8
67.5°	8751.8	8866.7	10044.2	11915.2	15628.5	19821.8	16982.5	12858.9	10631.0	9244.1	9318.0
70°	6097.1	6154.6	7307.5	9761.1	14171.9	18705.7	15320.7	9876.0	7340.3	5850.9	5933.0
72.5°	2453.6	2593.1	3352.2	5879.7	10462.7	14212.9	10315.0	5182.1	3044.5	2264.9	2055.6
75°	906.8	910.9	1070.9	2022.8	4968.8	8932.3	4652.8	1665.8	972.4	796.0	759.1
77.5°	525.2	521.1	558.0	730.3	1440.2	3487.6	1321.2	652.4	529.3	476.0	455.4
80°	328.2	324.1	381.6	484.2	631.9	956.0	558.0	406.2	357.0	307.7	307.7
82.5°	209.3	213.4	299.5	357.0	385.7	422.6	324.1	287.2	266.7	176.4	172.3
85°	135.4	123.1	209.3	238.0	213.4	188.7	180.5	151.8	139.5	86.2	94.4
87.5°	61.5	65.6	106.7	119.0	78.0	45.1	45.1	32.8	32.8	20.5	20.5
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)