

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: P479188

Luminaire Tested: **IFLD-S-SA6D-722-U-5MQ**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479188  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-722-U-5MQ  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ 5MQ  
distribution lens  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

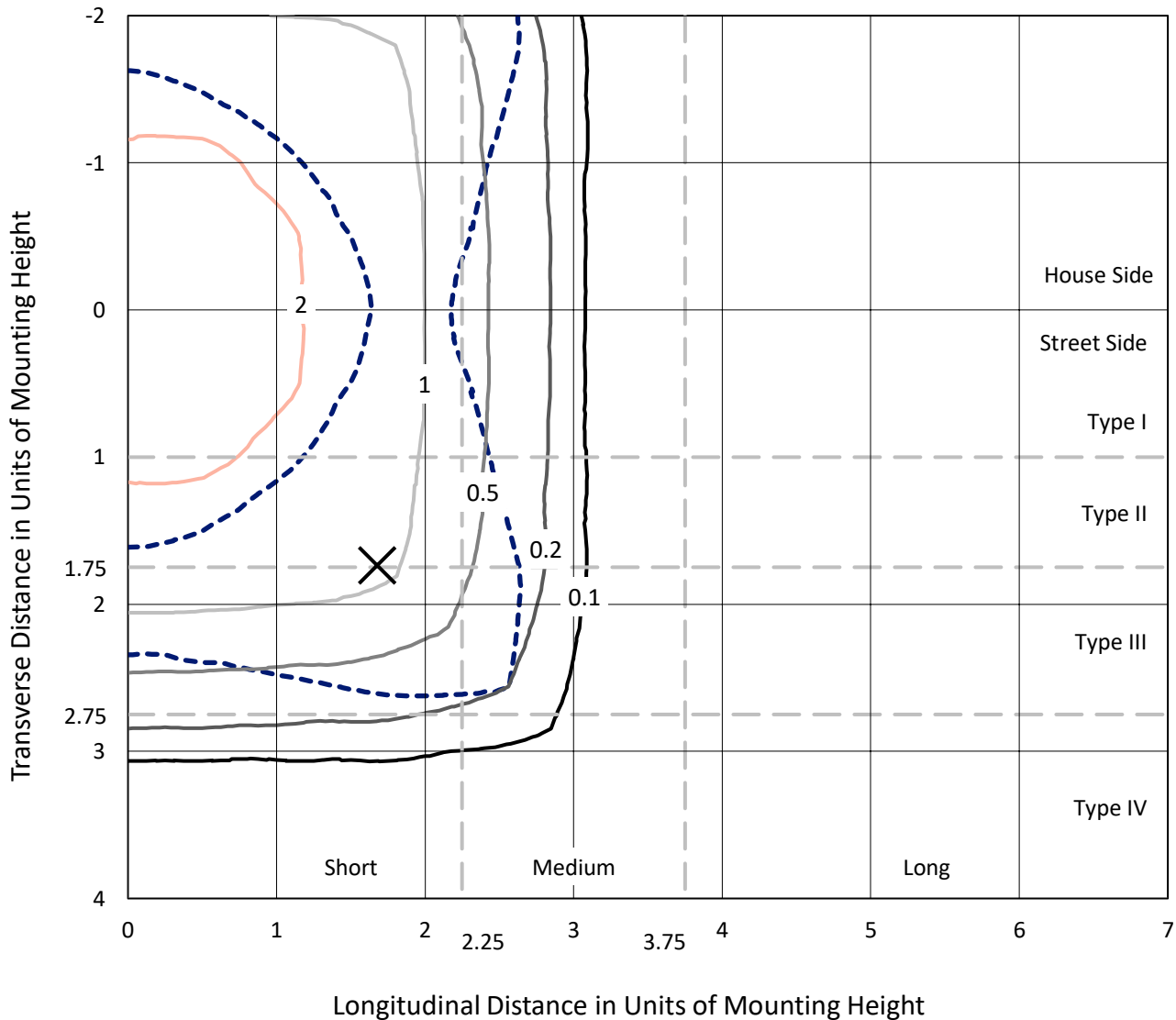
Lumens per Lamp: N/A  
Luminaire Lumens: 33995.6 lumens  
Efficiency: N/A  
Efficacy: 92.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4

Input Watts (W): 368.2  
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: P479188  
 CATALOG NUMBER: IFLD-S-SA6D-722-U-5MQ

### Iso-Footcandle Lines of Horizontal Illumination

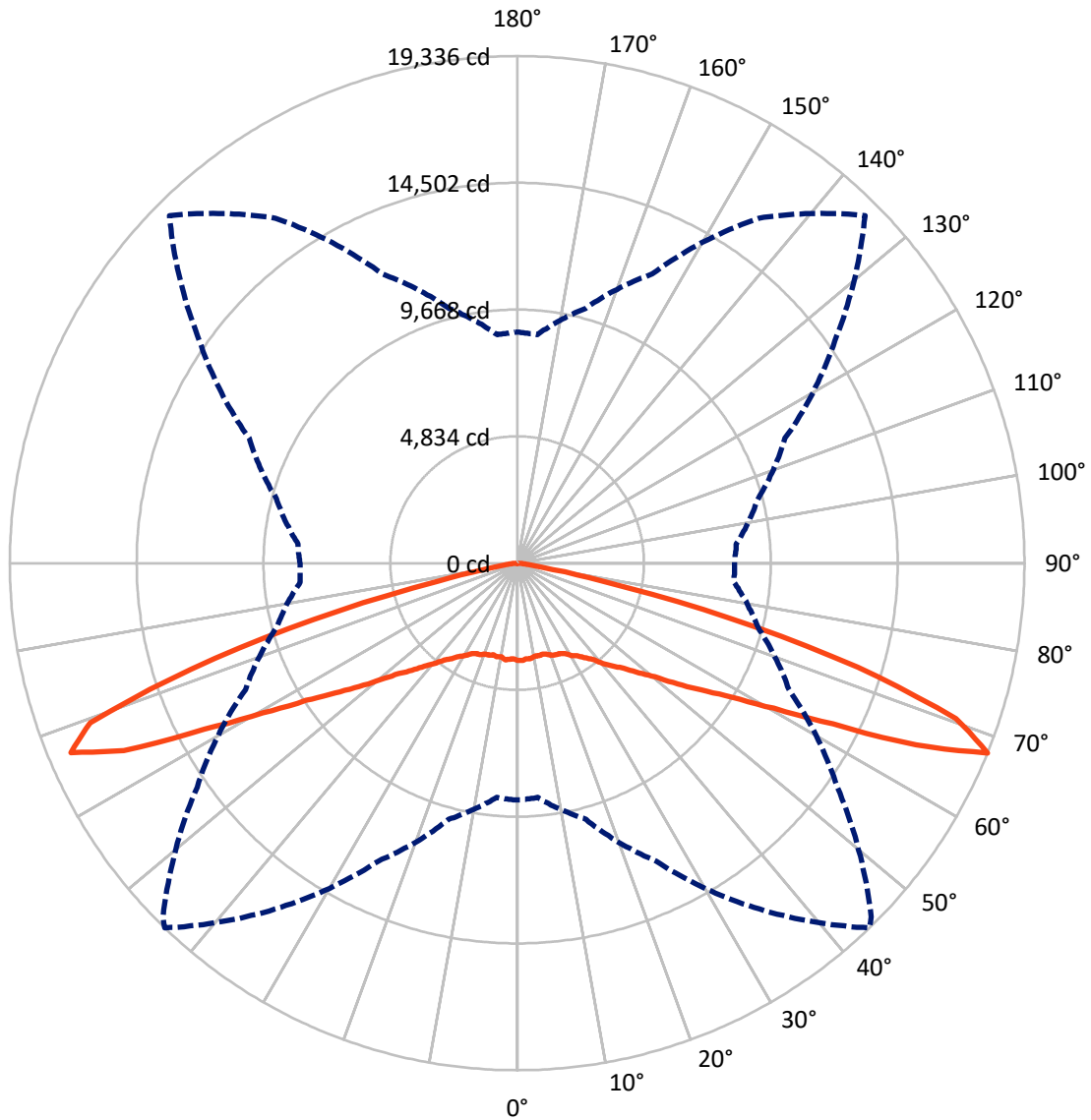
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.1 fc  
 Type V - Short - N/A

REPORT NUMBER: P479188  
CATALOG NUMBER: IFLD-S-SA6D-722-U-5MQ

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P479188  
 CATALOG NUMBER: IFLD-S-SA6D-722-U-5MQ

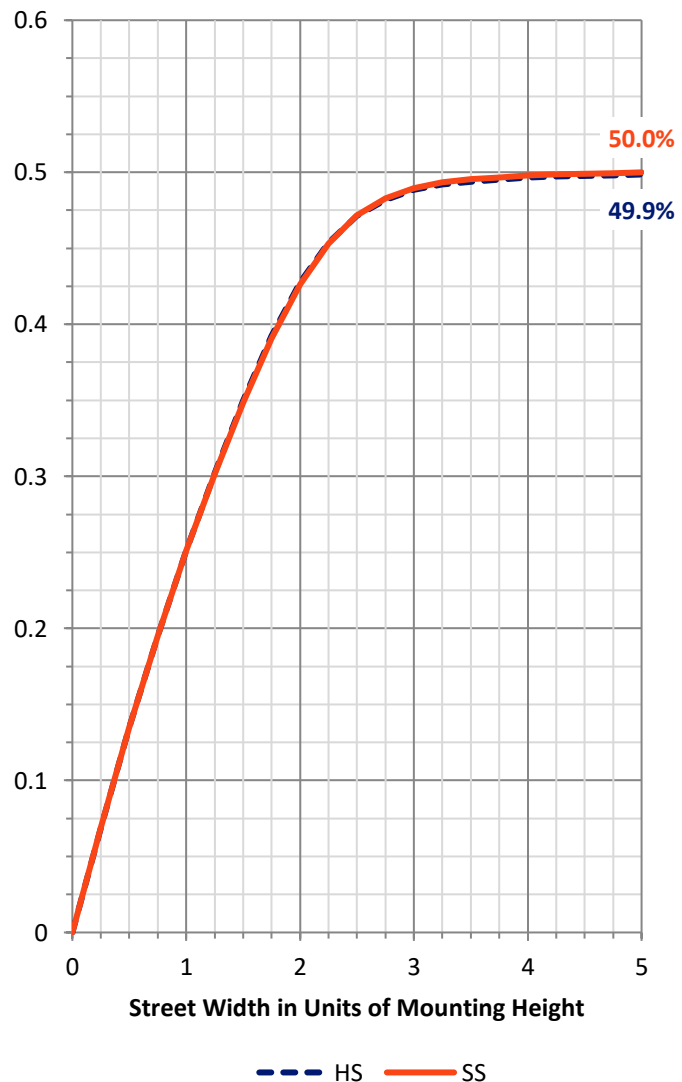
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	16954.3	0.0	16954.3
	% Fixture	49.9	0.0	49.9
<b>Street Side</b>	Lumens	17041.3	0.0	17041.3
	% Fixture	50.1	0.0	50.1
<b>Total</b>	Lumens	33995.6	0.0	33995.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	351.4	1.0
10°-20°	1026.6	3.0
20°-30°	1745.8	5.1
30°-40°	2768.0	8.1
40°-50°	4513.6	13.3
50°-60°	7708.5	22.7
60°-70°	11724.6	34.5
70°-80°	3951.9	11.6
80°-90°	205.2	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°	33995.6	100.0
0°-180°	33995.6	100.0

**Coefficient of Utilization**

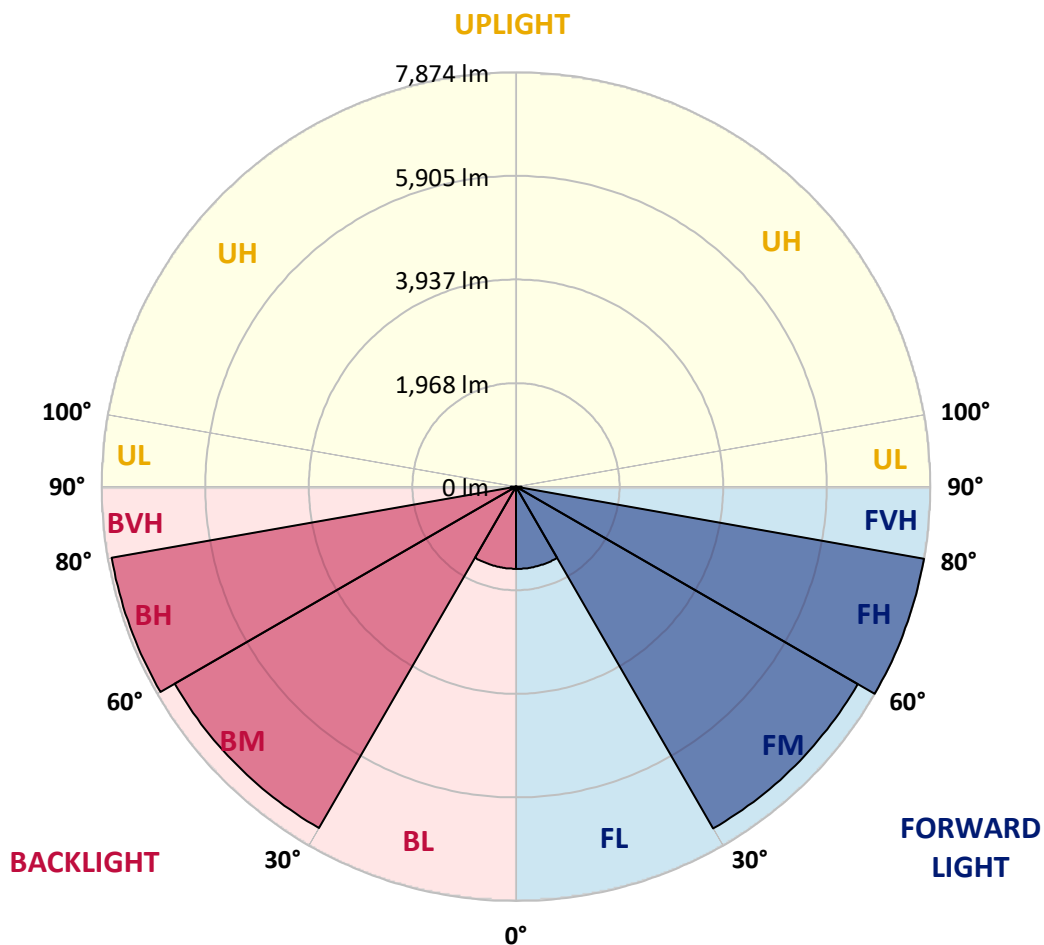


REPORT NUMBER: P479188  
 CATALOG NUMBER: IFLD-S-SA6D-722-U-5MQ

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1563.5	4.6			
FM (30°-60°)	7499.1	22.1			
FH (60°-80°)	7873.7	23.2			G4/12000
FVH (80°-90°)	105.0	0.3			G2/225
BL (0°-30°)	1560.3	4.6	B3/2500		
BM (30°-60°)	7491.0	22.0	B4/8500		
BH (60°-80°)	7802.7	23.0	B5		G4/12000
BVH (80°-90°)	100.2	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: P479188

CATALOG NUMBER: IFLD-S-SA6D-722-U-5MQ

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	3713.4	3713.4	3713.4	3713.4	3713.4	3713.4	3713.4	3713.4	3713.4	3713.4	3713.4
2.5°	3628.1	3670.7	3701.8	3697.9	3709.6	3721.2	3705.7	3729.0	3713.4	3740.6	3756.1
5°	3697.9	3686.3	3690.1	3666.9	3721.2	3659.1	3659.1	3690.1	3729.0	3682.4	3709.6
7.5°	3655.2	3647.5	3628.1	3663.0	3674.6	3674.6	3705.7	3647.5	3713.4	3729.0	3732.8
10°	3608.7	3566.0	3624.2	3659.1	3666.9	3604.8	3631.9	3647.5	3628.1	3647.5	3659.1
12.5°	3569.9	3593.1	3593.1	3593.1	3581.5	3624.2	3651.3	3647.5	3608.7	3643.6	3581.5
15°	3566.0	3554.3	3589.3	3620.3	3600.9	3608.7	3620.3	3655.2	3581.5	3597.0	3597.0
17.5°	3562.1	3577.6	3589.3	3585.4	3651.3	3651.3	3639.7	3616.4	3674.6	3643.6	3600.9
20°	3577.6	3566.0	3597.0	3608.7	3655.2	3748.4	3713.4	3694.0	3663.0	3624.2	3624.2
22.5°	3597.0	3589.3	3631.9	3682.4	3771.6	3794.9	3791.0	3767.8	3713.4	3666.9	3659.1
25°	3666.9	3597.0	3643.6	3740.6	3771.6	3818.2	3849.2	3818.2	3744.5	3756.1	3686.3
27.5°	3771.6	3760.0	3822.1	3888.0	3860.9	3903.6	3876.4	3899.7	3903.6	3845.4	3775.5
30°	3895.8	3860.9	3899.7	4027.7	4039.4	4085.9	4039.4	3977.3	3996.7	3946.2	3911.3
32.5°	4074.3	4062.7	4136.4	4221.7	4237.3	4214.0	4190.7	4225.6	4144.1	4105.3	4043.3
35°	4190.7	4241.1	4330.4	4396.4	4446.8	4423.5	4435.2	4400.2	4419.6	4338.2	4311.0
37.5°	4536.1	4516.6	4536.1	4648.6	4660.2	4648.6	4660.2	4699.0	4671.9	4602.0	4532.2
40°	4862.0	4831.0	4877.5	5005.6	4997.8	5036.6	4959.0	5001.7	5001.7	4869.8	4842.6
42.5°	5106.5	5211.2	5265.5	5370.3	5409.1	5374.2	5358.7	5366.4	5451.8	5296.6	5238.4
45°	5610.9	5607.0	5770.0	5828.2	5719.5	5711.8	5680.7	5773.9	5832.1	5742.8	5719.5
47.5°	6158.0	6185.2	6278.3	6301.6	6367.5	6247.3	6247.3	6258.9	6464.6	6255.0	6146.4
50°	6650.8	6685.7	6872.0	7054.4	6930.2	6802.1	6852.6	6914.7	7027.2	6829.3	6736.2
52.5°	7248.4	7438.5	7562.7	7659.7	7748.9	7659.7	7543.3	7613.1	7834.3	7570.4	7454.0
55°	8109.8	8261.1	8377.5	8556.0	8629.7	8509.5	8497.8	8490.1	8614.2	8334.8	8175.8
57.5°	9072.1	9010.0	9196.3	9471.8	9739.5	9623.1	9588.2	9595.9	9627.0	9231.2	9110.9
60°	10267.2	10337.1	10558.3	10798.8	11082.1	11245.1	11016.1	10884.2	10911.4	10372.0	10185.7
62.5°	10950.2	11105.4	11605.9	12432.4	13002.8	13511.1	13546.1	12688.5	12114.2	11066.6	10275.0
65°	10620.3	10597.1	11540.0	13068.8	15230.1	16708.5	16487.3	14407.5	12401.4	10736.7	9673.5
67.5°	9033.3	8971.2	10112.0	12537.2	16107.1	19335.5	19083.2	14892.5	11431.3	9498.9	8296.0
70°	5820.4	5804.9	7042.7	9557.1	14380.3	17752.3	17845.4	13526.7	9304.9	6957.3	5766.1
72.5°	2114.8	2242.8	2960.7	5137.5	9766.7	13581.0	13639.2	10015.0	5350.9	3216.8	2370.9
75°	779.9	803.2	935.1	1668.5	4450.7	8338.7	8556.0	4858.1	1901.3	1047.7	853.7
77.5°	450.1	454.0	500.6	620.8	1319.3	3255.6	3387.5	1474.5	737.3	558.8	516.1
80°	306.5	302.7	353.1	403.5	527.7	923.5	981.7	617.0	465.6	388.0	325.9
82.5°	178.5	190.1	260.0	287.1	322.1	407.4	415.2	384.1	349.2	287.1	213.4
85°	108.6	89.2	143.6	159.1	186.3	182.4	182.4	209.5	225.1	201.8	120.3
87.5°	27.2	27.2	34.9	38.8	50.4	38.8	42.7	81.5	108.6	100.9	62.1
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: P479188  
 CATALOG NUMBER: IFLD-S-SA6D-722-U-5MQ

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3713.4	3713.4	3713.4	3713.4	3713.4	3713.4	3713.4	3713.4	3713.4	3713.4	3713.4
2.5°	3721.2	3709.6	3717.3	3760.0	3732.8	3651.3	3670.7	3713.4	3678.5	3659.1	3655.2
5°	3705.7	3729.0	3701.8	3709.6	3736.7	3670.7	3682.4	3736.7	3713.4	3721.2	3678.5
7.5°	3709.6	3721.2	3697.9	3663.0	3663.0	3717.3	3686.3	3694.0	3659.1	3717.3	3639.7
10°	3686.3	3655.2	3628.1	3647.5	3639.7	3624.2	3612.5	3635.8	3600.9	3651.3	3597.0
12.5°	3616.4	3624.2	3616.4	3608.7	3624.2	3663.0	3600.9	3608.7	3554.3	3562.1	3589.3
15°	3589.3	3612.5	3604.8	3647.5	3666.9	3608.7	3655.2	3608.7	3566.0	3542.7	3585.4
17.5°	3600.9	3635.8	3624.2	3655.2	3620.3	3663.0	3670.7	3651.3	3600.9	3581.5	3600.9
20°	3612.5	3600.9	3616.4	3670.7	3721.2	3678.5	3678.5	3666.9	3620.3	3593.1	3593.1
22.5°	3639.7	3620.3	3643.6	3686.3	3701.8	3767.8	3709.6	3682.4	3604.8	3534.9	3600.9
25°	3694.0	3705.7	3721.2	3705.7	3791.0	3783.3	3775.5	3756.1	3635.8	3639.7	3628.1
27.5°	3798.8	3732.8	3752.2	3845.4	3857.0	3888.0	3849.2	3884.2	3756.1	3760.0	3682.4
30°	3926.8	3857.0	3919.1	4000.6	3996.7	4054.9	4035.5	4043.3	3954.0	3903.6	3798.8
32.5°	4066.5	4058.8	4097.6	4148.0	4167.4	4198.5	4194.6	4194.6	4140.3	4008.3	4027.7
35°	4221.7	4276.1	4322.6	4377.0	4384.7	4423.5	4369.2	4377.0	4322.6	4225.6	4256.7
37.5°	4528.3	4524.4	4574.9	4640.8	4648.6	4617.5	4660.2	4640.8	4567.1	4501.1	4450.7
40°	4885.3	4807.7	4854.2	5009.4	5021.1	4966.8	4962.9	4959.0	4904.7	4761.1	4730.1
42.5°	5195.7	5296.6	5288.8	5339.3	5304.3	5277.2	5374.2	5319.9	5277.2	5125.9	5098.7
45°	5595.4	5626.4	5727.3	5890.3	5723.4	5723.4	5789.4	5746.7	5723.4	5610.9	5506.1
47.5°	6092.0	6119.2	6321.0	6332.6	6224.0	6150.2	6355.9	6363.7	6266.7	6181.3	6053.2
50°	6674.1	6685.7	6868.1	7054.4	6934.1	6794.4	7003.9	7085.4	6868.1	6751.7	6592.6
52.5°	7314.3	7279.4	7430.7	7780.0	7663.6	7620.9	7845.9	7865.3	7570.4	7388.1	7430.7
55°	8051.6	8005.0	8416.3	8653.0	8579.3	8501.7	8602.6	8649.2	8412.5	8113.7	8218.4
57.5°	9006.1	9029.4	9235.1	9467.9	9588.2	9607.6	9654.1	9607.6	9367.0	9064.3	8967.3
60°	9960.7	10030.5	10430.2	10868.7	10907.5	11248.9	11186.9	10954.0	10612.6	10181.9	10201.3
62.5°	10313.8	10255.6	10899.7	11970.7	12882.5	13507.3	13231.8	12405.3	11613.7	10829.9	10888.1
65°	9603.7	9747.3	10624.2	12300.5	14279.4	16751.2	15284.4	12998.9	11400.3	10387.5	10275.0
67.5°	8276.6	8385.3	9498.9	11268.3	14780.0	18745.6	16060.5	12160.8	10053.8	8742.3	8812.1
70°	5766.1	5820.4	6910.8	9231.2	13402.5	17690.2	14489.0	9339.8	6941.8	5533.3	5610.9
72.5°	2320.4	2452.3	3170.2	5560.4	9894.7	13441.3	9755.0	4900.8	2879.2	2141.9	1944.0
75°	857.5	861.4	1012.8	1913.0	4699.0	8447.4	4400.2	1575.4	919.6	752.8	717.9
77.5°	496.7	492.8	527.7	690.7	1362.0	3298.2	1249.5	617.0	500.6	450.1	430.7
80°	310.4	306.5	360.9	457.9	597.6	904.1	527.7	384.1	337.6	291.0	291.0
82.5°	197.9	201.8	283.3	337.6	364.7	399.7	306.5	271.6	252.2	166.9	163.0
85°	128.0	116.4	197.9	225.1	201.8	178.5	170.7	143.6	131.9	81.5	89.2
87.5°	58.2	62.1	100.9	112.5	73.7	42.7	42.7	31.0	31.0	19.4	19.4
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)