

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: P483865

Luminaire Tested: **IFLD-S-SA6A-722-U-SL2-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483865
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-722-U-SL2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

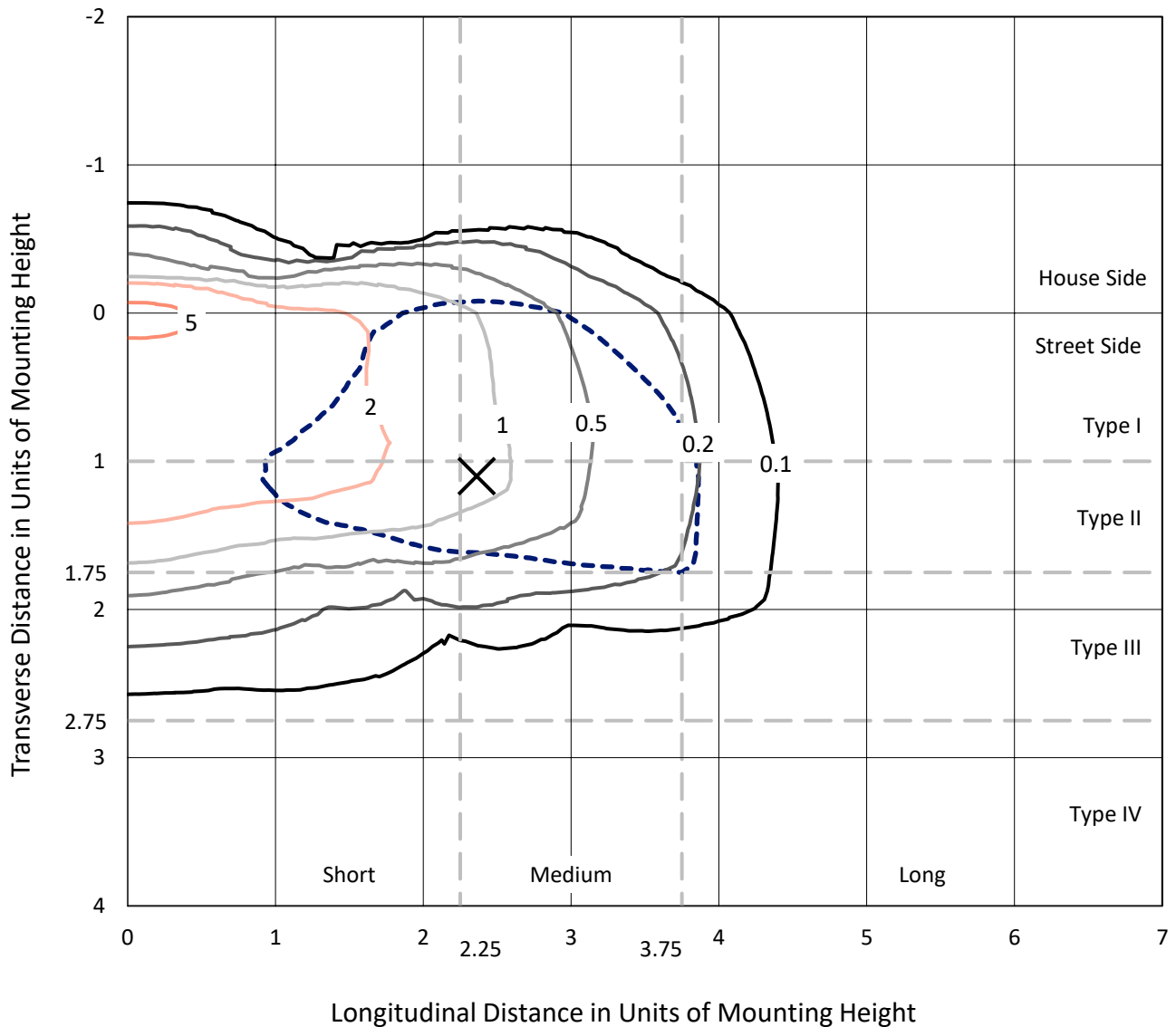
Lumens per Lamp: N/A
Luminaire Lumens: 16362.9 lumens
Efficiency: N/A
Efficacy: 86.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

Input Watts (W): 189.6
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: P483865
 CATALOG NUMBER: IFLD-S-SA6A-722-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

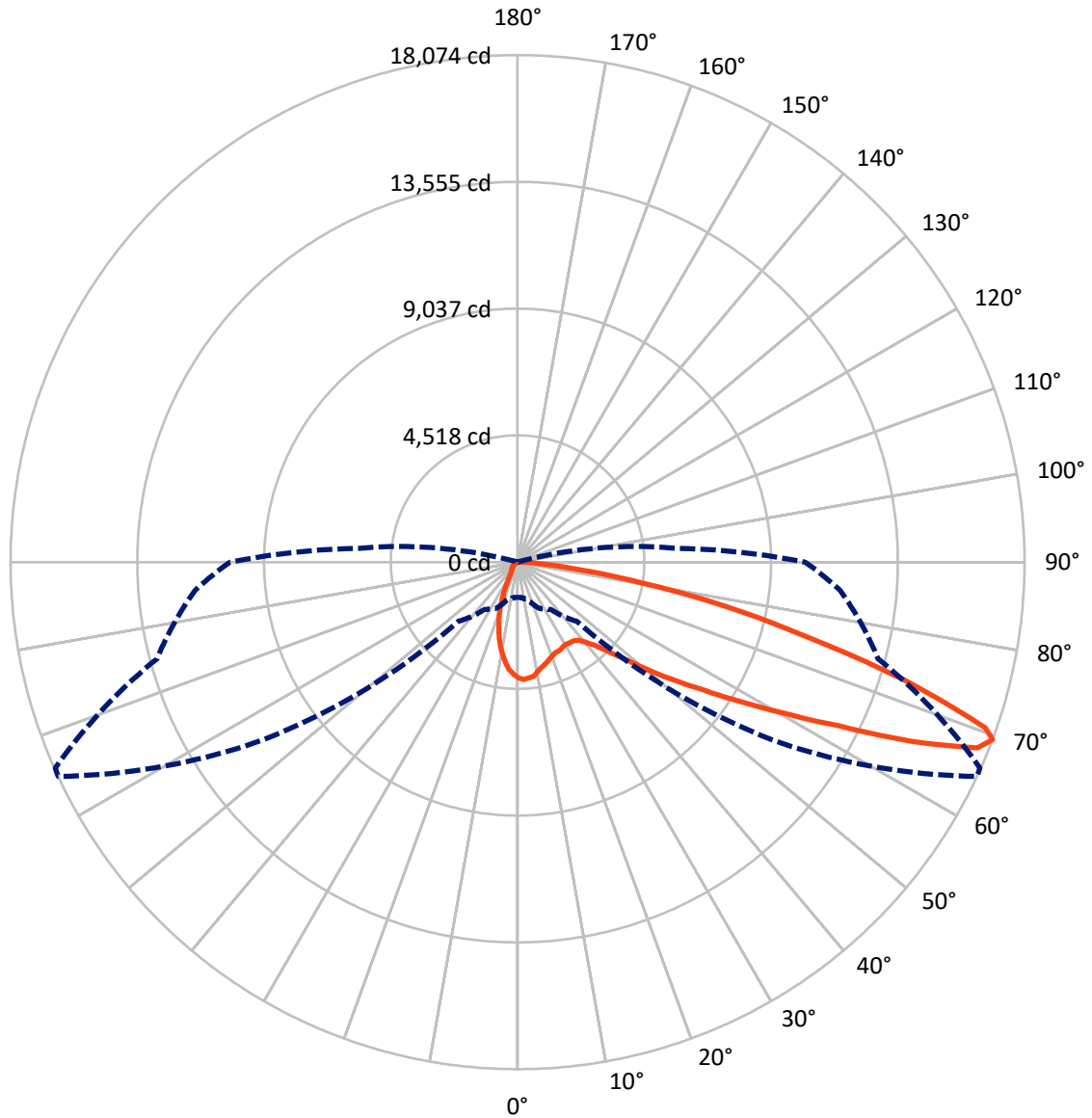
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P483865
CATALOG NUMBER: IFLD-S-SA6A-722-U-SL2-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P483865
 CATALOG NUMBER: IFLD-S-SA6A-722-U-SL2-HSS

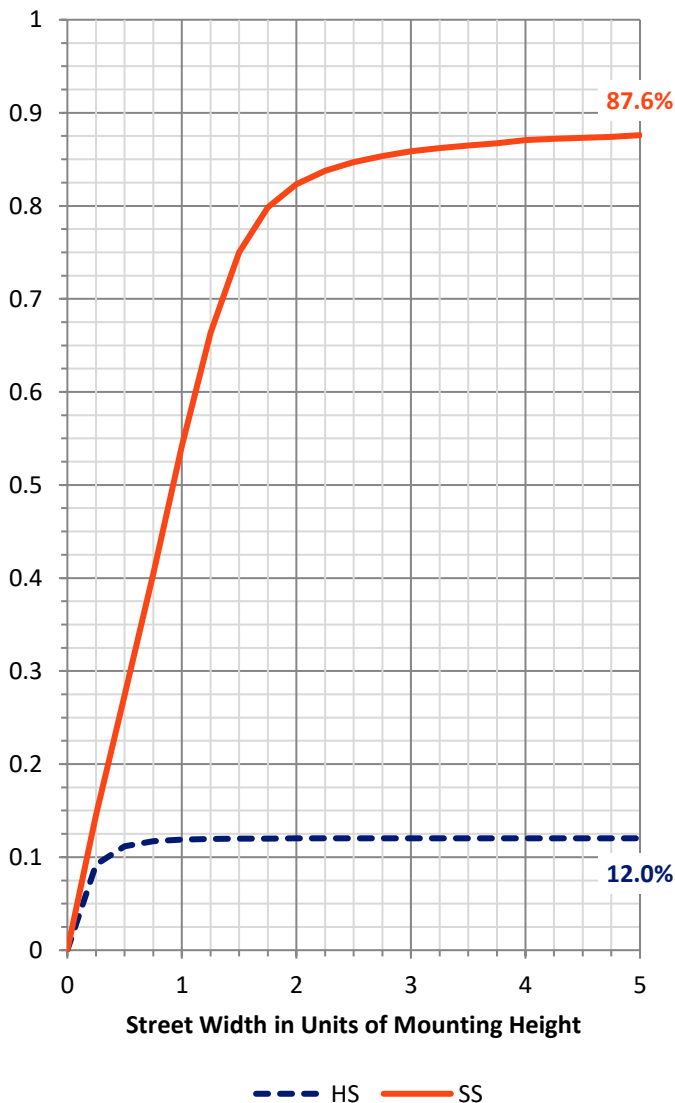
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1984.9	0.0	1984.9
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	14378.0	0.0	14378.0
	% Fixture	87.9	0.0	87.9
Total	Lumens	16362.9	0.0	16362.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.6	2.1
10°-20°	738.7	4.5
20°-30°	1028.4	6.3
30°-40°	1457.3	8.9
40°-50°	2296.7	14.0
50°-60°	3726.7	22.8
60°-70°	4162.0	25.4
70°-80°	2343.7	14.3
80°-90°	272.0	1.7
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°	16362.9	100.0
0°-180°	16362.9	100.0



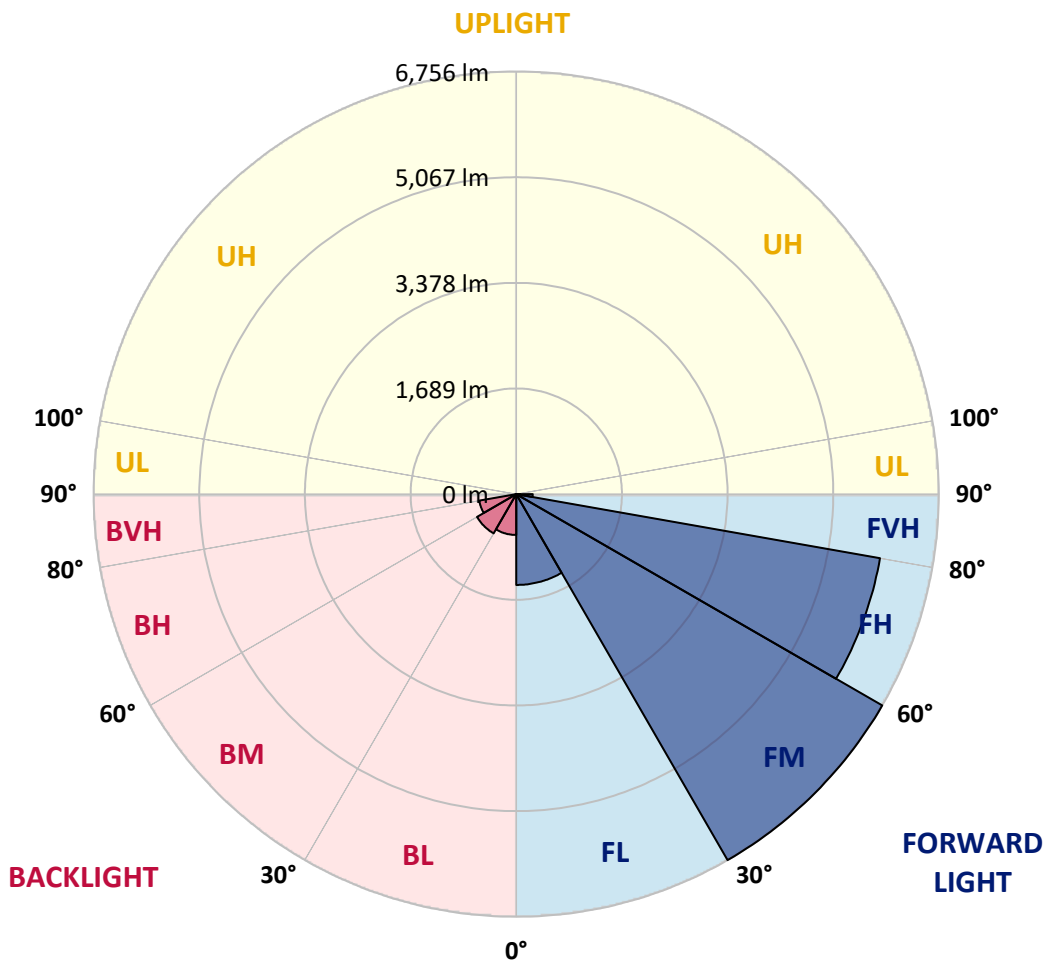
REPORT NUMBER: P483865
 CATALOG NUMBER: IFLD-S-SA6A-722-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1452.1	8.9			
FM (30°-60°)	6756.4	41.3			
FH (60°-80°)	5905.1	36.1			G3/7500
FVH (80°-90°)	264.5	1.6			G3/500
BL (0°-30°)	652.6	4.0	B2/1000		
BM (30°-60°)	724.3	4.4	B1/1000		
BH (60°-80°)	600.5	3.7	B2/1000		G2/1000
BVH (80°-90°)	7.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Medium





REPORT NUMBER: P483865

CATALOG NUMBER: IFLD-S-SA6A-722-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5
2.5°	3973.2	4004.1	4012.9	4043.8	4059.3	4125.5	4163.0	4185.1	4174.0	4198.3	4200.5
5°	3690.6	3673.0	3719.3	3752.4	3823.1	3937.9	4054.8	4145.3	4187.3	4227.0	4220.4
7.5°	3388.2	3379.4	3425.8	3500.8	3564.8	3703.9	3891.5	4114.4	4105.6	4202.7	4231.4
10°	3180.7	3189.6	3205.0	3280.1	3375.0	3516.3	3750.2	3957.7	4004.1	4209.4	4266.7
12.5°	2990.9	3006.4	3035.1	3112.3	3222.7	3368.4	3595.7	3838.5	3909.2	4171.8	4286.6
15°	2929.1	2893.8	2951.2	3008.6	3123.4	3253.6	3445.6	3748.0	3778.9	4127.7	4319.7
17.5°	2878.3	2856.3	2882.8	2929.1	3050.5	3156.5	3337.5	3650.9	3708.3	4110.0	4315.3
20°	2893.8	2873.9	2885.0	2920.3	2975.5	3074.8	3242.5	3558.2	3620.0	4028.4	4308.7
22.5°	2937.9	2953.4	2933.5	2942.4	2960.0	3010.8	3191.8	3492.0	3545.0	4012.9	4346.2
25°	3136.6	3110.1	3083.6	3072.6	2968.8	2990.9	3176.3	3487.6	3525.1	3957.7	4315.3
27.5°	3344.1	3322.0	3311.0	3247.0	3105.7	3039.5	3178.5	3425.8	3476.5	3935.6	4277.8
30°	3595.7	3624.4	3580.3	3503.0	3306.6	3143.2	3202.8	3394.9	3465.5	3851.8	4253.5
32.5°	3860.6	3876.0	3898.1	3840.7	3586.9	3299.9	3275.7	3423.5	3428.0	3851.8	4198.3
35°	4160.8	4138.7	4196.1	4200.5	3977.6	3578.1	3414.7	3443.4	3489.8	3834.1	4178.5
37.5°	4419.0	4456.6	4522.8	4628.7	4399.2	3971.0	3631.0	3536.1	3556.0	3915.8	4193.9
40°	4701.6	4739.1	4889.2	4995.2	4864.9	4412.4	3959.9	3752.4	3767.9	4037.2	4273.4
42.5°	5012.8	5085.7	5264.5	5449.9	5414.5	4973.1	4383.7	4070.3	4063.7	4339.6	4436.7
45°	5434.4	5531.5	5725.8	5939.9	5970.8	5615.4	4948.8	4544.9	4566.9	4734.7	4774.4
47.5°	6021.6	6017.1	6207.0	6445.4	6624.2	6282.0	5624.2	5182.8	5180.6	5359.4	5275.5
50°	6588.8	6591.0	6641.8	6917.7	7381.3	7206.9	6460.8	6030.4	6006.1	6094.4	5959.8
52.5°	6851.5	6820.6	6783.1	7116.4	7964.0	8372.4	7520.3	6990.6	6970.7	6917.7	6882.4
55°	6575.6	6586.6	6584.4	6931.0	8270.8	9601.8	8880.0	8047.9	8014.8	7849.2	7897.8
57.5°	5690.5	5655.1	5732.4	6273.2	7919.9	10440.6	10824.7	9381.1	9295.0	8745.4	8635.0
60°	4235.8	4246.9	4310.9	4948.8	7048.0	10617.2	12685.4	10946.1	10575.3	9376.7	9224.4
62.5°	2957.8	2935.7	2960.0	3317.6	5039.3	9910.9	13943.6	12848.8	12491.2	10094.1	10005.8
65°	2116.8	2088.1	2185.2	2403.8	3026.2	7577.7	14122.4	15382.8	15062.7	11239.7	11027.8
67.5°	1523.0	1518.6	1631.2	2028.5	2149.9	4363.9	12798.0	17678.4	17484.2	12599.4	11650.2
69°	1260.4	1262.6	1370.7	1816.6	2052.8	2979.9	11012.3	18073.5	18038.2	13301.3	11533.2
70°	1099.2	1108.1	1233.9	1690.8	2013.1	2450.1	9493.7	17685.0	17649.7	13438.1	11147.0
72.5°	677.6	684.3	849.8	1355.3	1913.7	1999.8	5677.2	14469.0	14590.4	12811.3	9604.0
75°	324.5	326.7	445.9	980.0	1845.3	1896.1	3041.7	10676.8	10932.8	10343.5	7504.9
77.5°	172.2	172.2	214.1	520.9	1494.4	1783.5	1805.6	7531.4	7743.3	6540.3	4266.7
80°	86.1	88.3	130.2	271.5	927.1	1748.2	1410.5	4491.9	4606.7	2668.6	1328.8
82.5°	33.1	35.3	61.8	163.3	481.2	1476.7	1238.3	2209.5	2180.8	624.7	324.5
85°	4.4	4.4	22.1	97.1	205.3	651.2	1022.0	922.7	891.8	136.9	156.7
87.5°	0.0	0.0	4.4	28.7	61.8	189.8	395.1	253.8	282.5	37.5	77.3
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: P483865

CATALOG NUMBER: IFLD-S-SA6A-722-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5	4125.5
2.5°	4189.5	4143.1	4072.5	4004.1	3931.2	3842.9	3745.8	3710.5	3648.7	3644.3	3679.6
5°	4185.1	4110.0	3986.4	3840.7	3633.2	3476.5	3306.6	3183.0	3088.0	3026.2	3041.7
7.5°	4207.1	4116.6	3902.5	3589.1	3322.0	3010.8	2748.1	2567.1	2401.6	2319.9	2311.1
10°	4171.8	4050.4	3737.0	3297.7	2904.8	2470.0	2085.9	1843.1	1595.9	1505.4	1509.8
12.5°	4191.7	4021.7	3558.2	2997.5	2456.7	1891.7	1432.5	1101.5	869.7	794.6	785.8
15°	4204.9	3959.9	3386.0	2637.7	1960.1	1289.1	830.0	624.7	551.8	538.6	536.4
17.5°	4154.2	3884.9	3143.2	2282.4	1452.4	783.6	551.8	509.9	496.6	487.8	483.4
20°	4152.0	3840.7	2933.5	1918.2	969.0	534.2	476.8	461.3	441.5	434.8	434.8
22.5°	4114.4	3748.0	2681.9	1518.6	618.0	459.1	428.2	403.9	381.9	373.0	370.8
25°	4103.4	3639.9	2445.7	1141.2	470.2	410.6	379.7	344.3	317.9	304.6	298.0
27.5°	4072.5	3547.2	2207.3	803.5	410.6	366.4	326.7	289.2	258.3	238.4	236.2
30°	3962.1	3450.0	1942.4	556.2	373.0	324.5	280.3	236.2	205.3	192.0	187.6
32.5°	3915.8	3359.5	1653.3	428.2	339.9	287.0	236.2	196.5	172.2	158.9	156.7
35°	3860.6	3227.1	1373.0	373.0	309.0	249.4	198.7	165.5	145.7	134.6	134.6
37.5°	3867.2	3121.1	1110.3	337.7	275.9	214.1	170.0	141.3	123.6	112.6	112.6
40°	3847.4	3037.3	863.1	306.8	245.0	183.2	143.5	119.2	103.7	92.7	90.5
42.5°	3937.9	3015.2	651.2	280.3	214.1	156.7	123.6	101.5	86.1	72.8	72.8
45°	4090.2	3050.5	507.7	256.0	183.2	134.6	106.0	83.9	68.4	59.6	57.4
47.5°	4496.3	3189.6	397.3	236.2	156.7	117.0	88.3	68.4	55.2	46.4	44.1
50°	5085.7	3500.8	337.7	207.5	132.4	99.3	72.8	53.0	44.1	35.3	33.1
52.5°	5924.4	4023.9	306.8	183.2	110.4	81.7	57.4	41.9	33.1	26.5	24.3
55°	6838.3	4677.3	278.1	154.5	92.7	66.2	46.4	33.1	24.3	17.7	15.5
57.5°	7551.2	5242.4	253.8	128.0	75.0	53.0	35.3	24.3	17.7	11.0	8.8
60°	8330.4	5639.7	222.9	101.5	61.8	39.7	26.5	17.7	13.2	6.6	6.6
62.5°	9133.9	6105.4	183.2	79.5	48.6	30.9	19.9	13.2	8.8	2.2	2.2
65°	10250.8	6469.6	141.3	61.8	37.5	22.1	15.5	11.0	4.4	0.0	0.0
67.5°	10566.4	6290.9	103.7	48.6	26.5	15.5	11.0	6.6	2.2	0.0	0.0
69°	10250.8	5666.2	90.5	41.9	22.1	13.2	8.8	4.4	2.2	0.0	0.0
70°	9674.7	5180.6	79.5	35.3	19.9	13.2	6.6	4.4	2.2	0.0	0.0
72.5°	8092.0	3973.2	61.8	26.5	15.5	11.0	6.6	4.4	0.0	0.0	0.0
75°	5935.5	2454.5	46.4	19.9	13.2	8.8	6.6	4.4	0.0	0.0	0.0
77.5°	3180.7	896.2	33.1	13.2	8.8	6.6	6.6	4.4	0.0	0.0	0.0
80°	871.9	264.9	24.3	8.8	6.6	4.4	4.4	2.2	0.0	0.0	0.0
82.5°	238.4	68.4	15.5	8.8	6.6	4.4	2.2	0.0	0.0	0.0	0.0
85°	128.0	26.5	8.8	6.6	4.4	2.2	0.0	0.0	0.0	0.0	0.0
87.5°	66.2	8.8	6.6	4.4	4.4	2.2	0.0	0.0	0.0	0.0	0.0
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)