

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: P483943

Luminaire Tested: **IFLD-S-SA6A-730-U-SL2-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483943
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-730-U-SL2-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

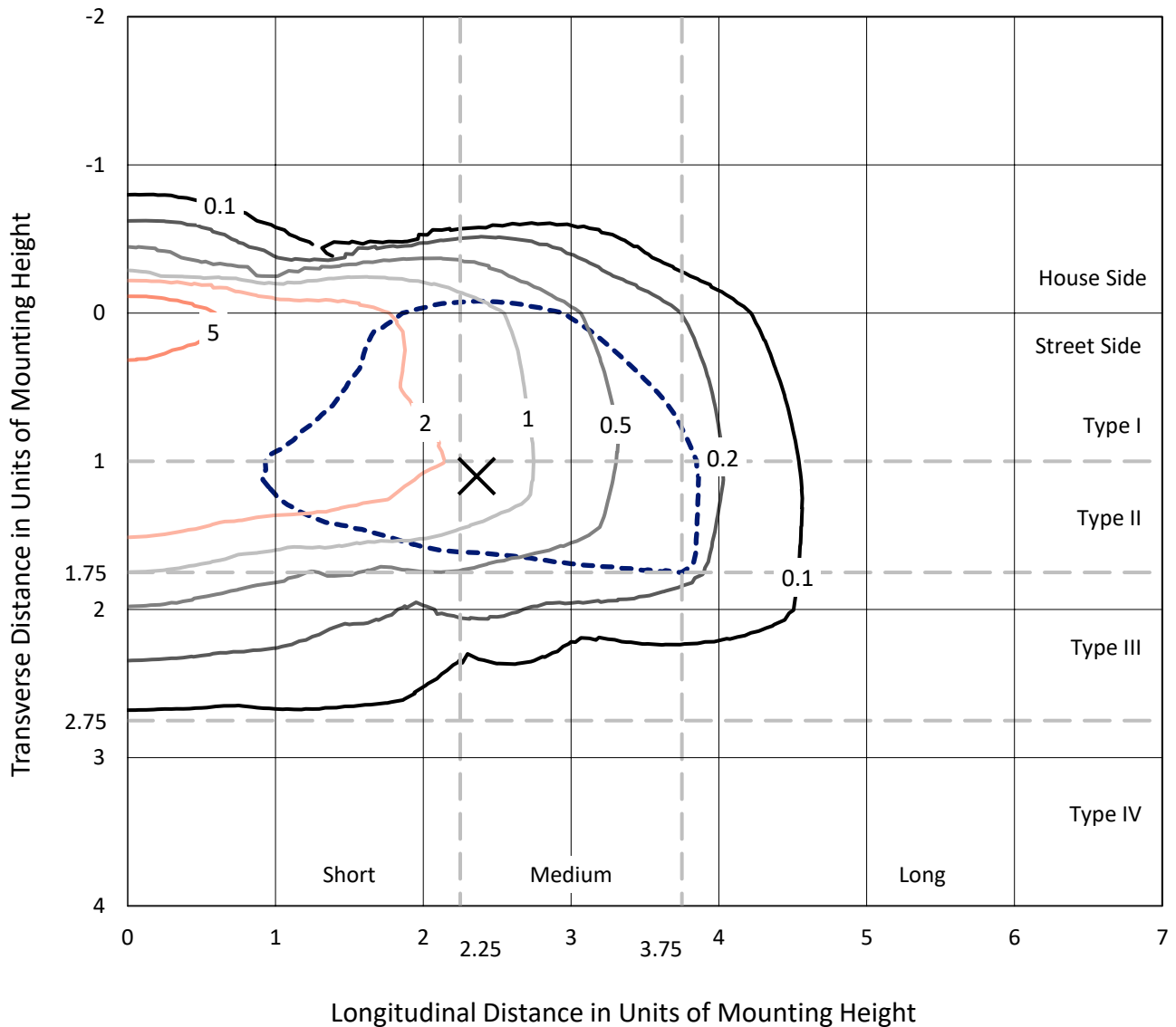
Lumens per Lamp: N/A
Luminaire Lumens: 20228.2 lumens
Efficiency: N/A
Efficacy: 106.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G3

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: P483943
 CATALOG NUMBER: IFLD-S-SA6A-730-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

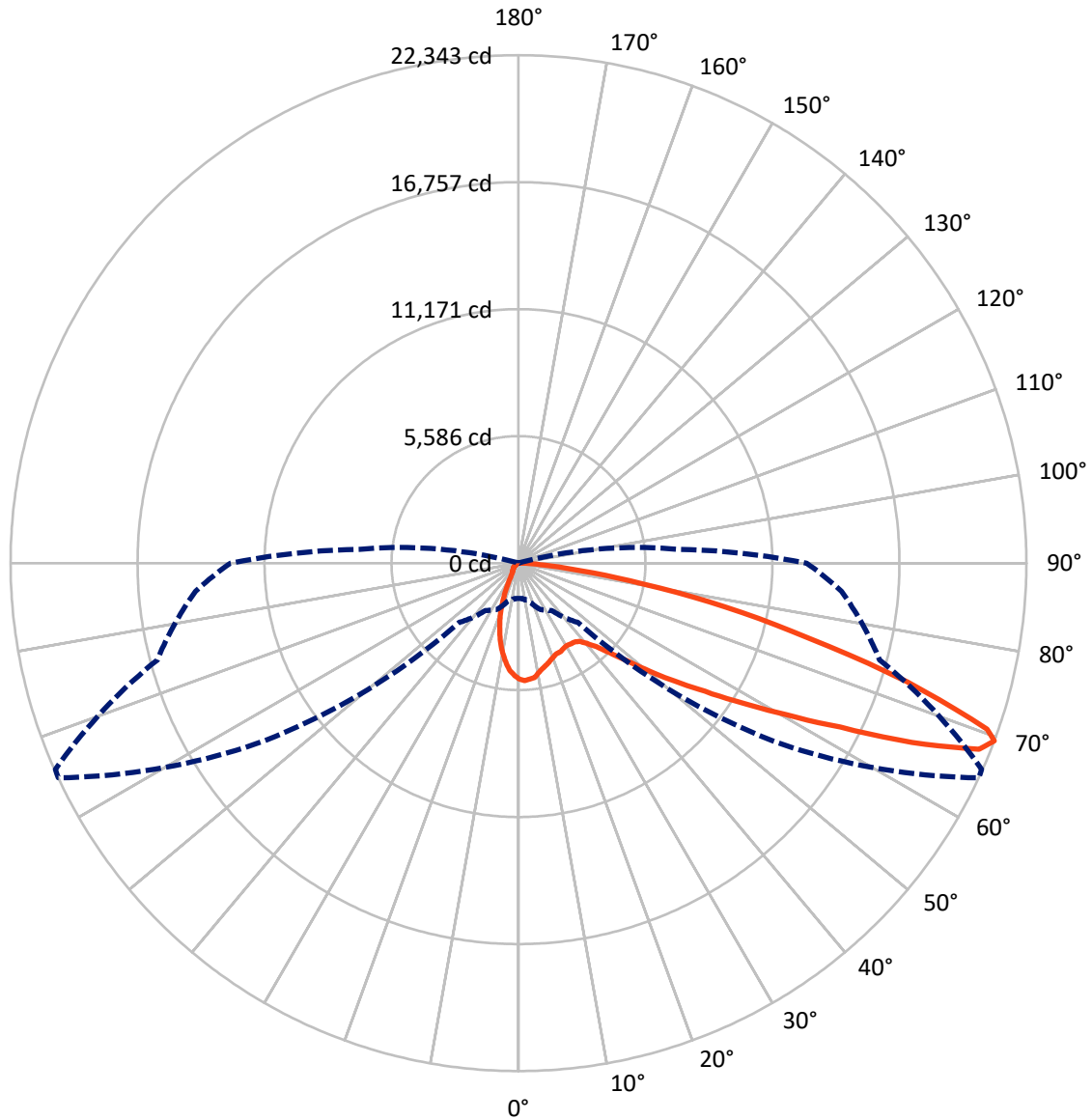
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type II - Medium - N/A

REPORT NUMBER: P483943
CATALOG NUMBER: IFLD-S-SA6A-730-U-SL2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P483943

CATALOG NUMBER: IFLD-S-SA6A-730-U-SL2-HSS

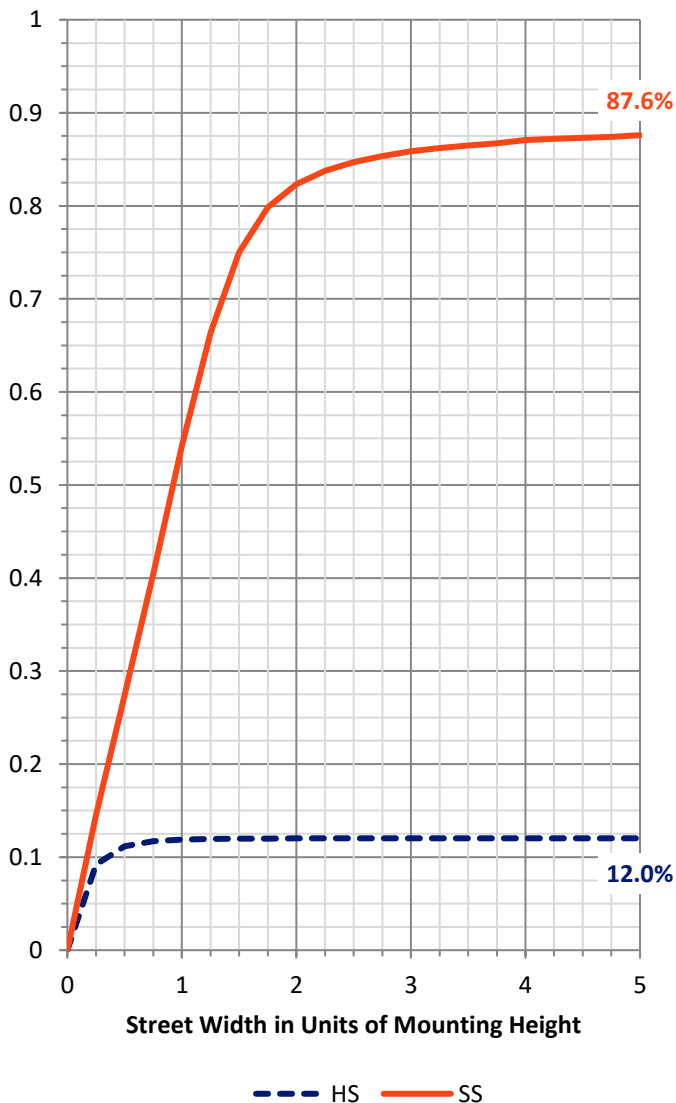
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2453.8	0.0	2453.8
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	17774.4	0.0	17774.4
	% Fixture	87.9	0.0	87.9
Total	Lumens	20228.2	0.0	20228.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	417.3	2.1
10°-20°	913.1	4.5
20°-30°	1271.3	6.3
30°-40°	1801.6	8.9
40°-50°	2839.2	14.0
50°-60°	4607.0	22.8
60°-70°	5145.1	25.4
70°-80°	2897.3	14.3
80°-90°	336.2	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°	20228.2	100.0
0°-180°	20228.2	100.0



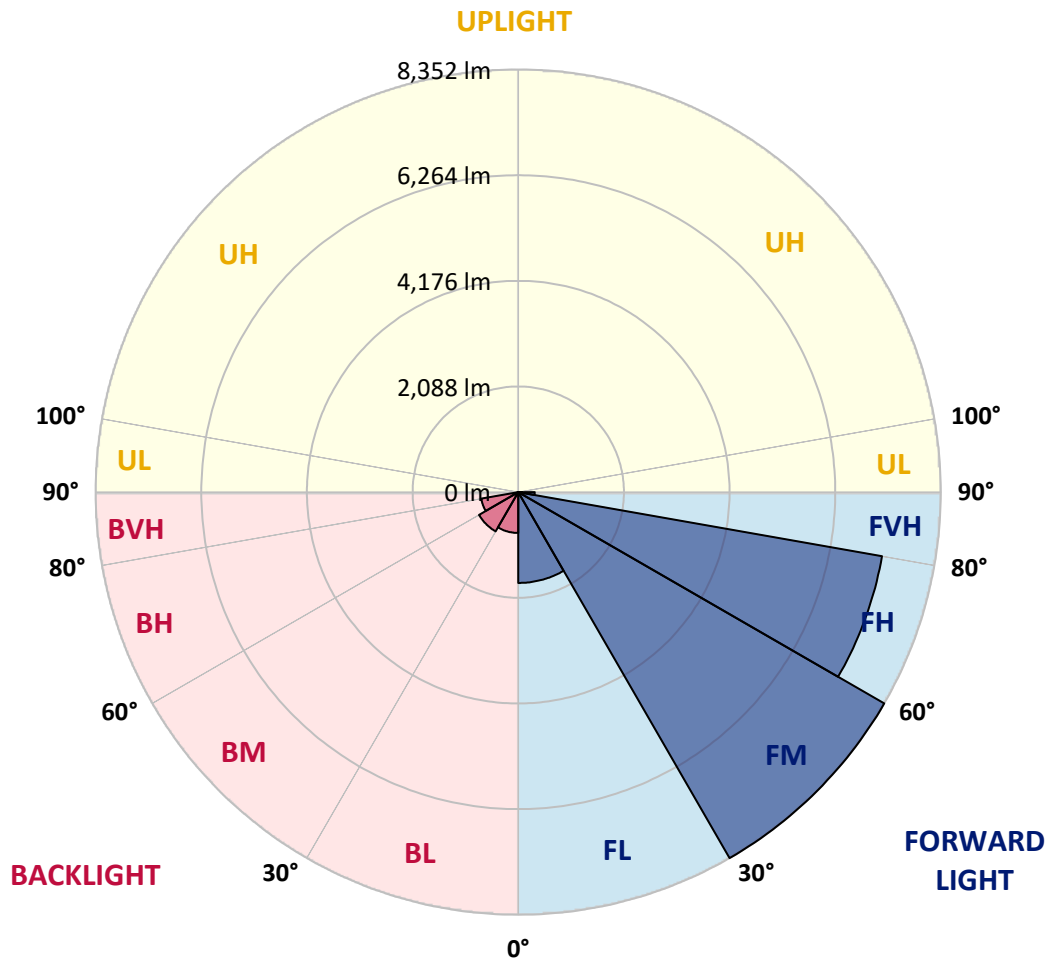
REPORT NUMBER: P483943
 CATALOG NUMBER: IFLD-S-SA6A-730-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1795.1	8.9			
FM (30°-60°)	8352.4	41.3			
FH (60°-80°)	7300.0	36.1			G3/7500
FVH (80°-90°)	326.9	1.6			G3/500
BL (0°-30°)	806.7	4.0	B2/1000		
BM (30°-60°)	895.4	4.4	B1/1000		
BH (60°-80°)	742.4	3.7	B2/1000		G2/1000
BVH (80°-90°)	9.3	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: P483943

CATALOG NUMBER: IFLD-S-SA6A-730-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5100.0	5100.0	5100.0	5100.0	5100.0	5100.0	5100.0	5100.0	5100.0	5100.0	5100.0
2.5°	4911.7	4949.9	4960.8	4999.0	5018.1	5100.0	5146.4	5173.7	5160.0	5190.0	5192.8
5°	4562.4	4540.6	4597.9	4638.8	4726.2	4868.1	5012.7	5124.6	5176.4	5225.5	5217.3
7.5°	4188.6	4177.7	4235.0	4327.8	4406.9	4578.8	4810.8	5086.4	5075.4	5195.5	5231.0
10°	3932.1	3943.0	3962.1	4054.9	4172.2	4346.9	4636.1	4892.6	4949.9	5203.7	5274.6
12.5°	3697.4	3716.5	3752.0	3847.5	3983.9	4164.0	4445.1	4745.3	4832.6	5157.3	5299.2
15°	3621.0	3577.4	3648.3	3719.3	3861.2	4022.1	4259.5	4633.4	4671.6	5102.7	5340.1
17.5°	3558.3	3531.0	3563.7	3621.0	3771.1	3902.1	4125.8	4513.3	4584.3	5080.9	5334.7
20°	3577.4	3552.8	3566.5	3610.1	3678.3	3801.1	4008.5	4398.7	4475.1	4979.9	5326.5
22.5°	3631.9	3651.0	3626.5	3637.4	3659.2	3722.0	3945.7	4316.9	4382.3	4960.8	5372.9
25°	3877.5	3844.8	3812.0	3798.4	3670.1	3697.4	3926.6	4311.4	4357.8	4892.6	5334.7
27.5°	4134.0	4106.7	4093.1	4014.0	3839.3	3757.5	3929.4	4235.0	4297.8	4865.3	5288.3
30°	4445.1	4480.6	4426.0	4330.5	4087.6	3885.7	3959.4	4196.8	4284.1	4761.6	5258.3
32.5°	4772.5	4791.7	4818.9	4748.0	4434.2	4079.5	4049.4	4232.3	4237.7	4761.6	5190.0
35°	5143.7	5116.4	5187.3	5192.8	4917.2	4423.3	4221.3	4256.8	4314.1	4739.8	5165.5
37.5°	5462.9	5509.3	5591.2	5722.1	5438.4	4909.0	4488.8	4371.4	4396.0	4840.8	5184.6
40°	5812.2	5858.6	6044.1	6175.1	6014.1	5454.7	4895.3	4638.8	4657.9	4990.8	5282.8
42.5°	6196.9	6287.0	6508.0	6737.2	6693.6	6147.8	5419.3	5031.8	5023.6	5364.7	5484.7
45°	6718.1	6838.2	7078.3	7343.0	7381.2	6941.9	6117.8	5618.5	5645.7	5853.1	5902.2
47.5°	7444.0	7438.5	7673.2	7967.9	8188.9	7766.0	6952.8	6407.1	6404.3	6625.4	6521.7
50°	8145.3	8148.0	8210.7	8551.8	9124.9	8909.3	7987.0	7454.9	7424.9	7534.0	7367.6
52.5°	8470.0	8431.8	8385.4	8797.4	9845.3	10350.1	9296.8	8641.9	8617.3	8551.8	8508.2
55°	8128.9	8142.5	8139.8	8568.2	10224.6	11870.0	10977.7	9949.0	9908.0	9703.4	9763.4
57.5°	7034.7	6991.0	7086.5	7755.1	9790.7	12906.9	13381.7	11597.1	11490.7	10811.2	10674.8
60°	5236.4	5250.1	5329.2	6117.8	8712.8	13125.2	15682.0	13531.8	13073.3	11591.6	11403.4
62.5°	3656.5	3629.2	3659.2	4101.3	6229.7	12252.0	17237.4	15883.9	15441.9	12478.5	12369.3
65°	2616.9	2581.4	2701.4	2971.6	3741.1	9367.7	17458.4	19016.5	18620.9	13894.7	13632.7
67.5°	1882.8	1877.4	2016.5	2507.7	2657.8	5394.7	15821.2	21854.4	21614.3	15575.6	14402.2
69°	1558.1	1560.8	1694.5	2245.7	2537.7	3683.8	13613.6	22342.8	22299.2	16443.3	14257.6
70°	1358.9	1369.8	1525.4	2090.2	2488.6	3028.9	11736.3	21862.6	21818.9	16612.5	13780.1
72.5°	837.7	845.9	1050.6	1675.4	2365.8	2472.2	7018.3	17886.8	18036.9	15837.6	11872.7
75°	401.1	403.9	551.2	1211.6	2281.2	2344.0	3760.2	13198.9	13515.4	12786.8	9277.7
77.5°	212.8	212.8	264.7	644.0	1847.4	2204.8	2232.1	9310.4	9572.4	8085.2	5274.6
80°	106.4	109.1	161.0	335.6	1146.1	2161.2	1743.7	5553.0	5694.9	3299.0	1642.7
82.5°	40.9	43.7	76.4	201.9	594.9	1825.5	1530.8	2731.5	2696.0	772.2	401.1
85°	5.5	5.5	27.3	120.1	253.8	805.0	1263.4	1140.6	1102.4	169.2	193.7
87.5°	0.0	0.0	5.5	35.5	76.4	234.7	488.4	313.8	349.3	46.4	95.5
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: P483943

CATALOG NUMBER: IFLD-S-SA6A-730-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5100.0	5100.0	5100.0	5100.0	5100.0	5100.0	5100.0	5100.0	5100.0	5100.0	5100.0
2.5°	5179.1	5121.8	5034.5	4949.9	4859.9	4750.7	4630.7	4587.0	4510.6	4505.1	4548.8
5°	5173.7	5080.9	4928.1	4748.0	4491.5	4297.8	4087.6	3934.8	3817.5	3741.1	3760.2
7.5°	5201.0	5089.1	4824.4	4436.9	4106.7	3722.0	3397.3	3173.5	2968.9	2867.9	2857.0
10°	5157.3	5007.2	4619.7	4076.7	3591.0	3053.4	2578.7	2278.5	1972.9	1861.0	1866.5
12.5°	5181.9	4971.7	4398.7	3705.6	3037.1	2338.5	1770.9	1361.6	1075.1	982.3	971.4
15°	5198.2	4895.3	4185.9	3260.8	2423.1	1593.6	1026.0	772.2	682.2	665.8	663.1
17.5°	5135.5	4802.6	3885.7	2821.5	1795.5	968.7	682.2	630.3	614.0	603.0	597.6
20°	5132.7	4748.0	3626.5	2371.3	1197.9	660.4	589.4	570.3	545.7	537.6	537.6
22.5°	5086.4	4633.4	3315.4	1877.4	764.0	567.6	529.4	499.4	472.1	461.2	458.4
25°	5072.7	4499.7	3023.4	1410.8	581.2	507.5	469.3	425.7	392.9	376.6	368.4
27.5°	5034.5	4385.1	2728.7	993.3	507.5	453.0	403.9	357.5	319.3	294.7	292.0
30°	4898.1	4265.0	2401.3	687.6	461.2	401.1	346.5	292.0	253.8	237.4	231.9
32.5°	4840.8	4153.1	2043.8	529.4	420.2	354.7	292.0	242.9	212.8	196.5	193.7
35°	4772.5	3989.4	1697.3	461.2	382.0	308.3	245.6	204.7	180.1	166.5	166.5
37.5°	4780.7	3858.4	1372.6	417.5	341.1	264.7	210.1	174.6	152.8	139.2	139.2
40°	4756.2	3754.7	1066.9	379.3	302.9	226.5	177.4	147.4	128.3	114.6	111.9
42.5°	4868.1	3727.4	805.0	346.5	264.7	193.7	152.8	125.5	106.4	90.0	90.0
45°	5056.3	3771.1	627.6	316.5	226.5	166.5	131.0	103.7	84.6	73.7	70.9
47.5°	5558.4	3943.0	491.2	292.0	193.7	144.6	109.1	84.6	68.2	57.3	54.6
50°	6287.0	4327.8	417.5	256.5	163.7	122.8	90.0	65.5	54.6	43.7	40.9
52.5°	7323.9	4974.5	379.3	226.5	136.4	101.0	70.9	51.8	40.9	32.7	30.0
55°	8453.6	5782.2	343.8	191.0	114.6	81.9	57.3	40.9	30.0	21.8	19.1
57.5°	9335.0	6480.7	313.8	158.3	92.8	65.5	43.7	30.0	21.8	13.6	10.9
60°	10298.2	6971.9	275.6	125.5	76.4	49.1	32.7	21.8	16.4	8.2	8.2
62.5°	11291.5	7547.7	226.5	98.2	60.0	38.2	24.6	16.4	10.9	2.7	2.7
65°	12672.2	7997.9	174.6	76.4	46.4	27.3	19.1	13.6	5.5	0.0	0.0
67.5°	13062.4	7776.9	128.3	60.0	32.7	19.1	13.6	8.2	2.7	0.0	0.0
69°	12672.2	7004.7	111.9	51.8	27.3	16.4	10.9	5.5	2.7	0.0	0.0
70°	11960.0	6404.3	98.2	43.7	24.6	16.4	8.2	5.5	2.7	0.0	0.0
72.5°	10003.5	4911.7	76.4	32.7	19.1	13.6	8.2	5.5	0.0	0.0	0.0
75°	7337.6	3034.3	57.3	24.6	16.4	10.9	8.2	5.5	0.0	0.0	0.0
77.5°	3932.1	1107.9	40.9	16.4	10.9	8.2	8.2	5.5	0.0	0.0	0.0
80°	1077.8	327.4	30.0	10.9	8.2	5.5	5.5	2.7	0.0	0.0	0.0
82.5°	294.7	84.6	19.1	10.9	8.2	5.5	2.7	0.0	0.0	0.0	0.0
85°	158.3	32.7	10.9	8.2	5.5	2.7	0.0	0.0	0.0	0.0	0.0
87.5°	81.9	10.9	8.2	5.5	5.5	2.7	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)