

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: P482473

Luminaire Tested: **IFLD-L-SA7C-740-U-T3-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482473
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-740-U-T3-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3
distribution lens with House Side Shield
Light Source: (112) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

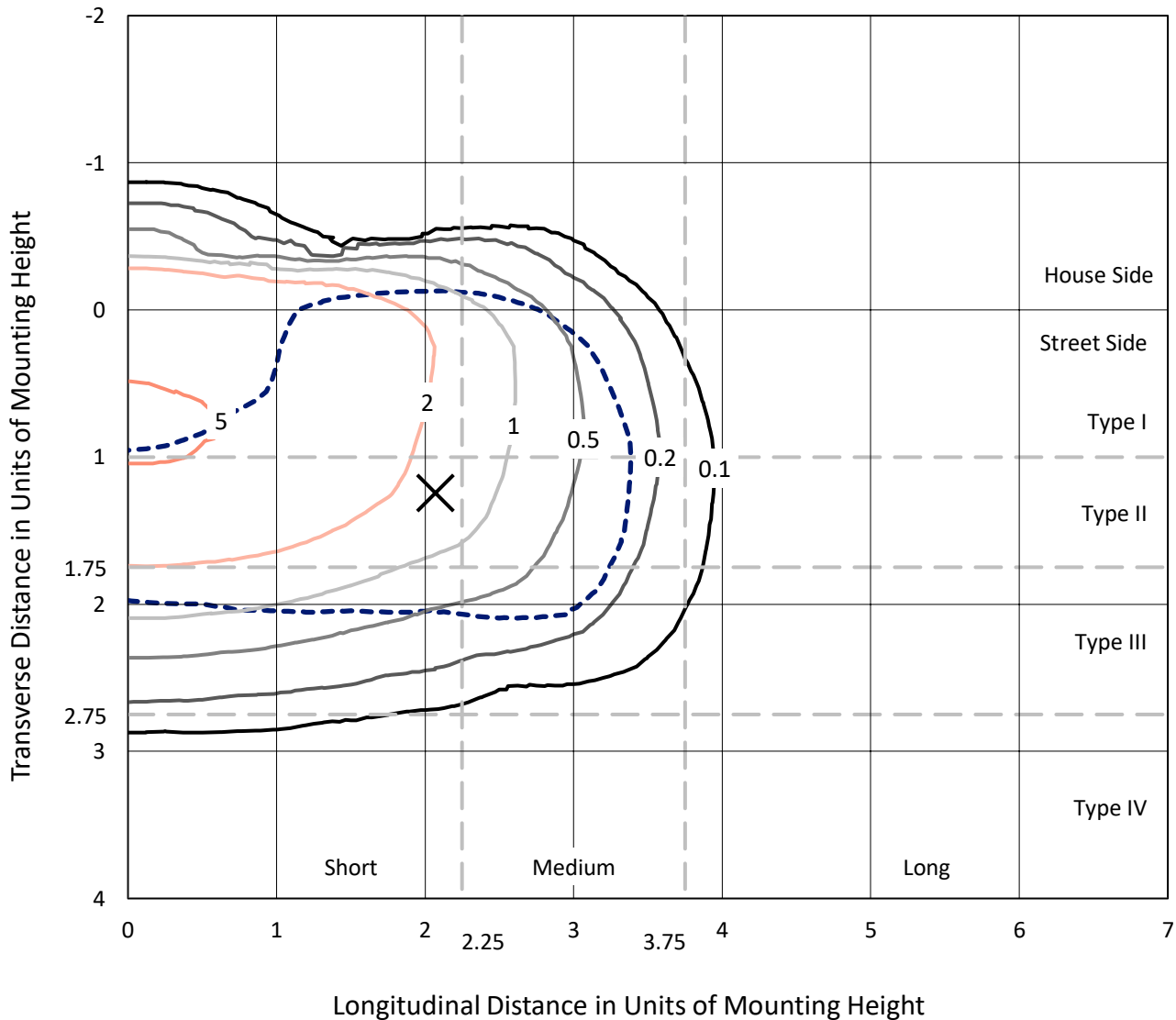
Lumens per Lamp: N/A
Luminaire Lumens: 32894.6 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 369
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

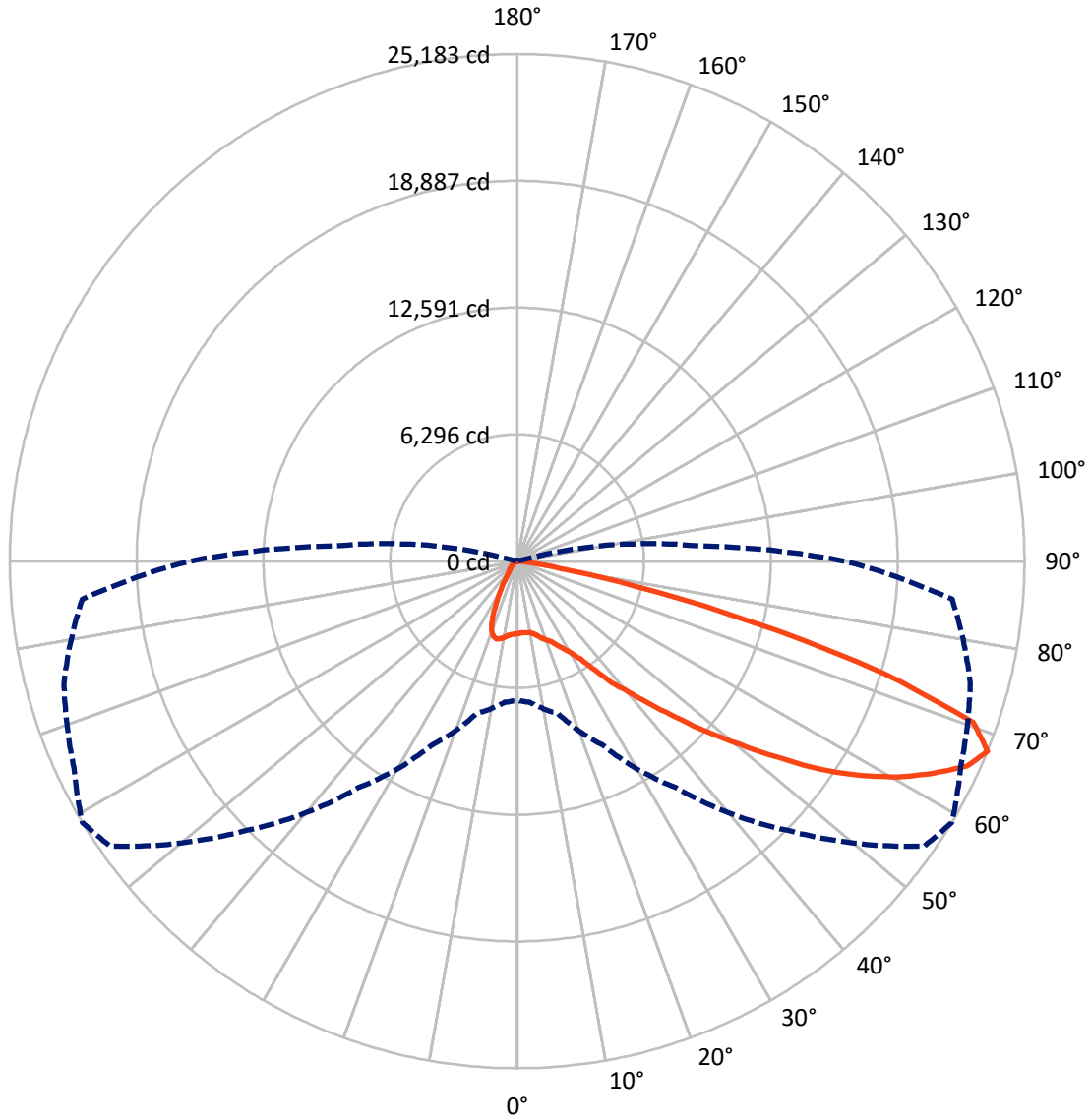
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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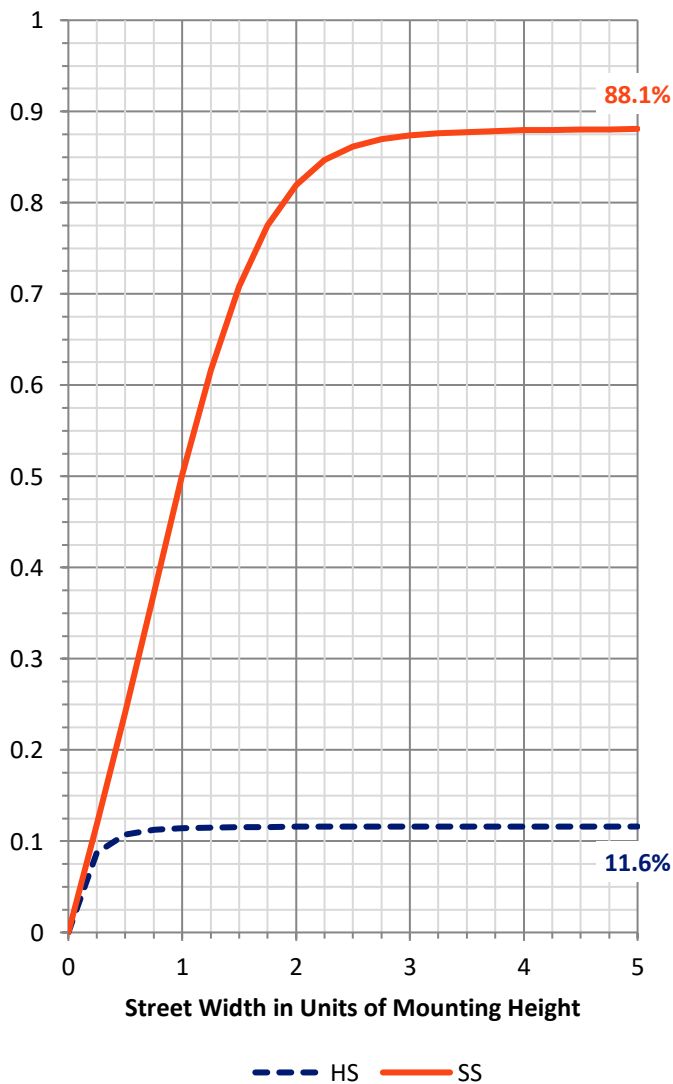
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3864.0	0.0	3864.0
	% Fixture	11.7	0.0	11.7
Street Side	Lumens	29030.5	0.0	29030.5
	% Fixture	88.3	0.0	88.3
Total	Lumens	32894.6	0.0	32894.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	342.7	1.0
10°-20°	990.0	3.0
20°-30°	1730.2	5.3
30°-40°	3046.2	9.3
40°-50°	5384.8	16.4
50°-60°	8526.1	25.9
60°-70°	9457.8	28.8
70°-80°	3281.6	10.0
80°-90°	135.1	0.4
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°	32894.6	100.0
0°-180°	32894.6	100.0

Coefficient of Utilization

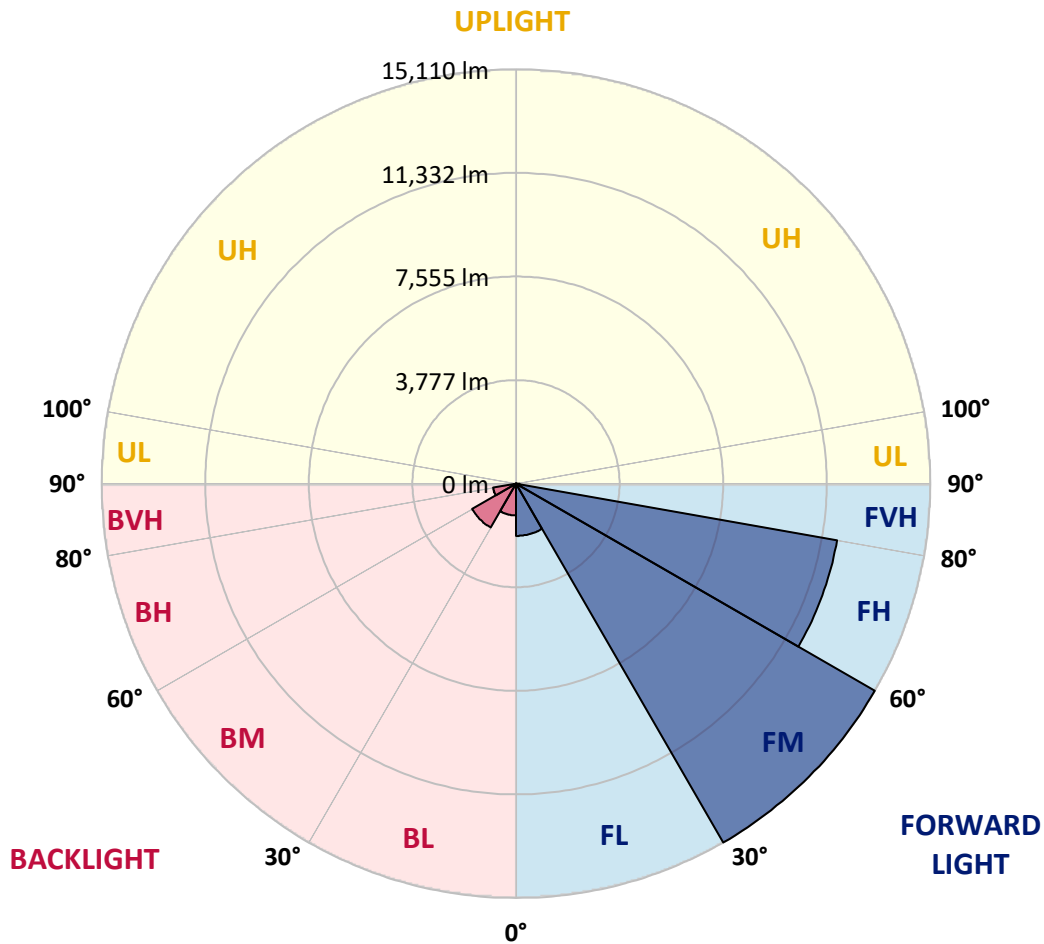


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1904.8	5.8			
FM (30°-60°)	15109.7	45.9			
FH (60°-80°)	11889.6	36.1			G4/12000
FVH (80°-90°)	126.4	0.4			G2/225
BL (0°-30°)	1158.1	3.5	B3/2500		
BM (30°-60°)	1847.4	5.6	B2/2500		
BH (60°-80°)	849.8	2.6	B2/1000		G2/1000
BVH (80°-90°)	8.7	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	3607.9	3607.9	3607.9	3607.9	3607.9	3607.9	3607.9	3607.9	3607.9	3607.9	3607.9
2.5°	3503.4	3453.4	3498.9	3503.4	3508.0	3548.9	3594.3	3562.5	3558.0	3594.3	3626.1
5°	3362.6	3339.8	3394.4	3421.6	3467.1	3503.4	3576.1	3580.7	3585.2	3626.1	3680.6
7.5°	3303.5	3249.0	3312.6	3344.4	3376.2	3462.5	3548.9	3594.3	3657.9	3707.9	3762.4
10°	3185.4	3226.2	3244.4	3299.0	3389.8	3489.8	3594.3	3617.0	3757.9	3798.8	3930.6
12.5°	3226.2	3253.5	3289.9	3303.5	3403.5	3553.4	3694.3	3703.4	3848.8	4026.0	4094.2
15°	3330.8	3312.6	3326.2	3344.4	3462.5	3585.2	3812.4	3853.3	3989.6	4189.6	4357.7
17.5°	3553.4	3521.6	3498.9	3494.3	3521.6	3635.2	3903.3	4026.0	4153.2	4425.9	4512.2
20°	4112.3	4085.1	3994.2	3757.9	3676.1	3721.5	4012.4	4185.0	4362.2	4666.7	4807.6
22.5°	4962.1	4989.3	4775.8	4444.0	4103.2	3926.0	4185.0	4335.0	4616.7	5003.0	5130.2
25°	5966.3	5911.8	5652.7	5266.5	4730.3	4312.3	4462.2	4630.3	4975.7	5293.8	5343.8
27.5°	6752.4	6688.8	6488.8	6020.8	5557.3	4880.3	4825.7	4930.3	5339.2	5625.5	5571.0
30°	7529.4	7552.1	7415.8	6861.5	6288.9	5575.5	5230.2	5275.6	5589.1	5957.2	5834.5
32.5°	8520.0	8465.5	8388.2	7902.0	7225.0	6461.6	5870.9	5798.2	5934.5	6420.7	6275.3
35°	9442.5	9410.6	9306.1	8815.4	8224.7	7393.1	6816.0	6652.4	6620.6	7161.4	6906.9
37.5°	10246.7	10192.2	10033.2	9719.6	9147.1	8447.3	7815.7	7670.3	7665.7	8038.4	7547.6
40°	10923.8	10964.7	10946.5	10601.2	10287.6	9728.7	8760.9	8529.1	8510.9	8710.9	8424.6
42.5°	11800.8	11896.2	11846.2	11778.1	11400.9	11182.8	10087.7	9733.3	9574.2	9983.2	9724.2
45°	13127.6	13164.0	13195.8	13027.7	12650.5	12696.0	11460.0	11037.4	10996.5	11605.4	11023.8
47.5°	14368.2	14272.7	14495.4	14504.5	14486.3	14277.3	12941.3	12627.8	12682.3	13145.8	12546.0
50°	14677.2	14922.5	15536.0	15649.6	15944.9	16135.8	14586.3	14272.7	14363.6	14890.7	14204.6
52.5°	14918.0	15290.6	15904.0	16735.6	17530.8	17985.2	16426.6	16172.1	16167.6	16490.2	15545.1
55°	15340.6	15567.8	16099.4	17244.5	18757.7	19502.9	18644.1	18235.1	17867.0	18094.2	16935.5
57.5°	15299.7	15386.0	16213.0	17626.2	19730.1	21084.2	20466.2	20075.4	19602.9	19471.1	18535.0
60°	14581.7	14786.2	15713.2	17367.2	20329.9	22315.6	22165.7	21765.8	20952.4	20643.4	19761.9
62.5°	13159.5	13432.1	14159.1	16458.4	19457.4	22379.2	23338.0	23188.1	22279.3	21724.9	21361.4
65°	10664.8	10792.0	11628.1	14150.0	17485.3	21402.3	24724.0	24537.7	23701.6	22874.5	22183.9
67.5°	6906.9	7029.6	7833.9	10101.3	13732.0	18880.4	24669.4	25182.9	24278.6	23283.5	21670.4
70°	3262.6	3230.8	3980.6	5611.9	8797.2	14418.1	23001.8	24015.1	23247.2	21106.9	17998.8
72.5°	995.1	1081.5	1654.0	2485.6	4516.7	8992.6	18030.6	18980.3	18739.5	16862.8	12014.4
75°	440.8	477.1	649.8	1017.9	1831.2	3689.7	11137.4	11982.6	11878.0	9946.8	5484.6
77.5°	281.7	309.0	409.0	581.6	831.6	1172.4	5130.2	5952.7	5770.9	3494.3	1435.9
80°	199.9	213.6	290.8	399.9	522.6	481.7	1767.6	2099.3	2013.0	949.7	386.2
82.5°	109.1	118.1	213.6	295.4	349.9	245.4	495.3	618.0	645.2	422.6	186.3
85°	40.9	50.0	131.8	209.0	181.8	113.6	145.4	177.2	231.7	231.7	86.3
87.5°	0.0	4.5	54.5	90.9	45.4	31.8	40.9	50.0	63.6	109.1	31.8
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3607.9	3607.9	3607.9	3607.9	3607.9	3607.9	3607.9	3607.9	3607.9	3607.9	3607.9
2.5°	3648.8	3617.0	3630.7	3653.4	3603.4	3630.7	3576.1	3617.0	3630.7	3576.1	3603.4
5°	3694.3	3726.1	3707.9	3671.6	3639.8	3648.8	3635.2	3603.4	3630.7	3639.8	3621.6
7.5°	3826.1	3789.7	3798.8	3757.9	3694.3	3689.7	3603.4	3580.7	3589.8	3598.9	3567.0
10°	3948.7	3971.5	3926.0	3894.2	3789.7	3721.5	3603.4	3476.2	3462.5	3408.0	3453.4
12.5°	4166.9	4112.3	4094.2	3989.6	3885.1	3657.9	3403.5	3208.1	3044.5	2985.4	2926.3
15°	4348.6	4339.5	4307.7	4148.7	3907.8	3494.3	3012.7	2558.3	2244.7	2049.3	2022.1
17.5°	4598.5	4557.6	4498.6	4248.6	3739.7	3067.2	2244.7	1672.2	1358.7	1236.0	1190.5
20°	4789.4	4757.6	4675.8	4225.9	3435.3	2285.6	1390.5	1063.3	986.1	963.3	967.9
22.5°	5066.6	4966.6	4812.1	4112.3	2880.9	1522.2	999.7	949.7	936.1	917.9	922.4
25°	5307.4	5216.5	4893.9	3916.9	2053.9	1008.8	927.0	899.7	877.0	854.3	849.7
27.5°	5521.0	5407.4	4980.2	3517.1	1286.0	867.9	858.8	827.0	781.6	745.2	731.6
30°	5730.0	5598.2	5003.0	2767.3	867.9	786.1	763.4	713.4	654.3	604.4	595.3
32.5°	6079.9	5920.8	4971.1	1976.6	749.8	699.8	649.8	590.7	504.4	463.5	454.4
35°	6625.2	6384.3	4930.3	1163.3	672.5	618.0	540.7	463.5	399.9	359.0	349.9
37.5°	7252.2	6834.2	4812.1	777.0	618.0	545.3	445.3	368.1	313.5	281.7	272.6
40°	8183.8	7493.1	4357.7	636.2	549.8	463.5	359.0	290.8	249.9	227.2	218.1
42.5°	9210.7	8247.4	3657.9	572.5	486.2	395.3	286.3	236.3	204.5	181.8	181.8
45°	10442.1	9033.5	2821.8	522.6	431.7	327.2	236.3	190.8	163.6	145.4	136.3
47.5°	11814.4	9746.9	1903.9	472.6	363.5	268.1	195.4	145.4	118.1	104.5	104.5
50°	13041.3	10378.5	1213.3	413.5	318.1	222.7	159.0	118.1	95.4	77.2	72.7
52.5°	14154.6	10860.2	836.1	363.5	272.6	181.8	131.8	95.4	72.7	59.1	59.1
55°	15295.1	11105.6	618.0	313.5	236.3	154.5	109.1	86.3	63.6	50.0	45.4
57.5°	16231.2	11210.1	472.6	272.6	199.9	122.7	95.4	72.7	54.5	40.9	36.4
60°	17030.9	11160.1	368.1	227.2	159.0	104.5	81.8	59.1	45.4	31.8	27.3
62.5°	17499.0	10860.2	290.8	195.4	127.2	90.9	68.2	50.0	31.8	22.7	18.2
65°	17508.1	10224.0	227.2	145.4	95.4	77.2	59.1	40.9	22.7	9.1	4.5
67.5°	16253.9	8847.2	181.8	113.6	77.2	59.1	45.4	31.8	9.1	0.0	0.0
70°	12714.1	6693.3	150.0	90.9	63.6	50.0	31.8	18.2	4.5	0.0	0.0
72.5°	8102.0	4007.8	122.7	72.7	54.5	36.4	22.7	13.6	0.0	0.0	0.0
75°	3389.8	1236.0	95.4	63.6	40.9	27.3	18.2	4.5	0.0	0.0	0.0
77.5°	872.4	390.8	77.2	54.5	40.9	22.7	13.6	4.5	0.0	0.0	0.0
80°	259.0	145.4	63.6	45.4	31.8	18.2	9.1	4.5	0.0	0.0	0.0
82.5°	118.1	86.3	54.5	40.9	27.3	18.2	9.1	0.0	0.0	0.0	0.0
85°	45.4	27.3	27.3	22.7	22.7	13.6	4.5	0.0	0.0	0.0	0.0
87.5°	18.2	9.1	9.1	9.1	4.5	4.5	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)