

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: P483291

Luminaire Tested: **IFLD-L-SA7B-750-U-T4FT-HSS**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P483291
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-750-U-T4FT-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield
Light Source: (112) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

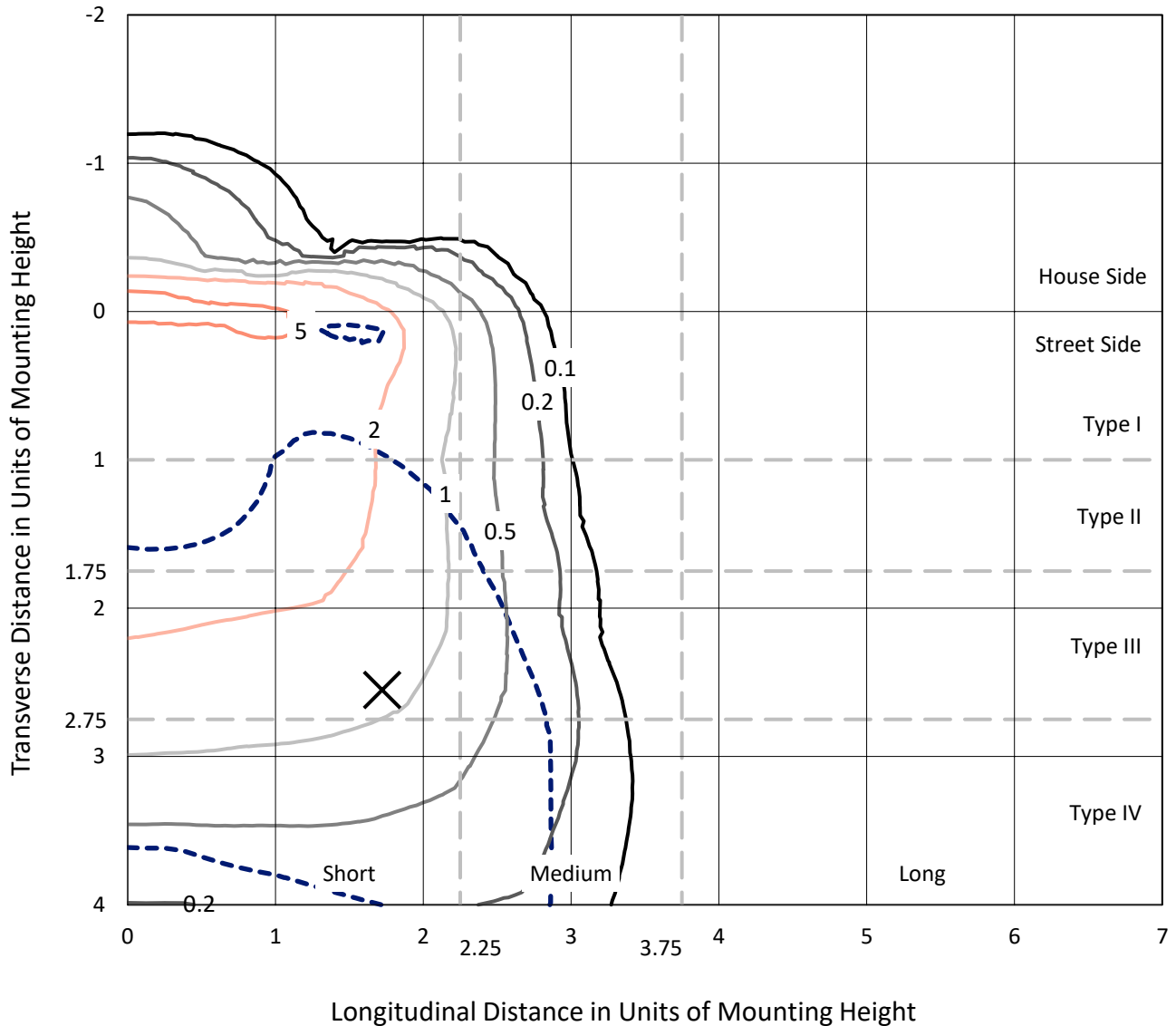
Lumens per Lamp: N/A
Luminaire Lumens: 26340.3 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G5

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

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Iso-Footcandle Lines of Horizontal Illumination

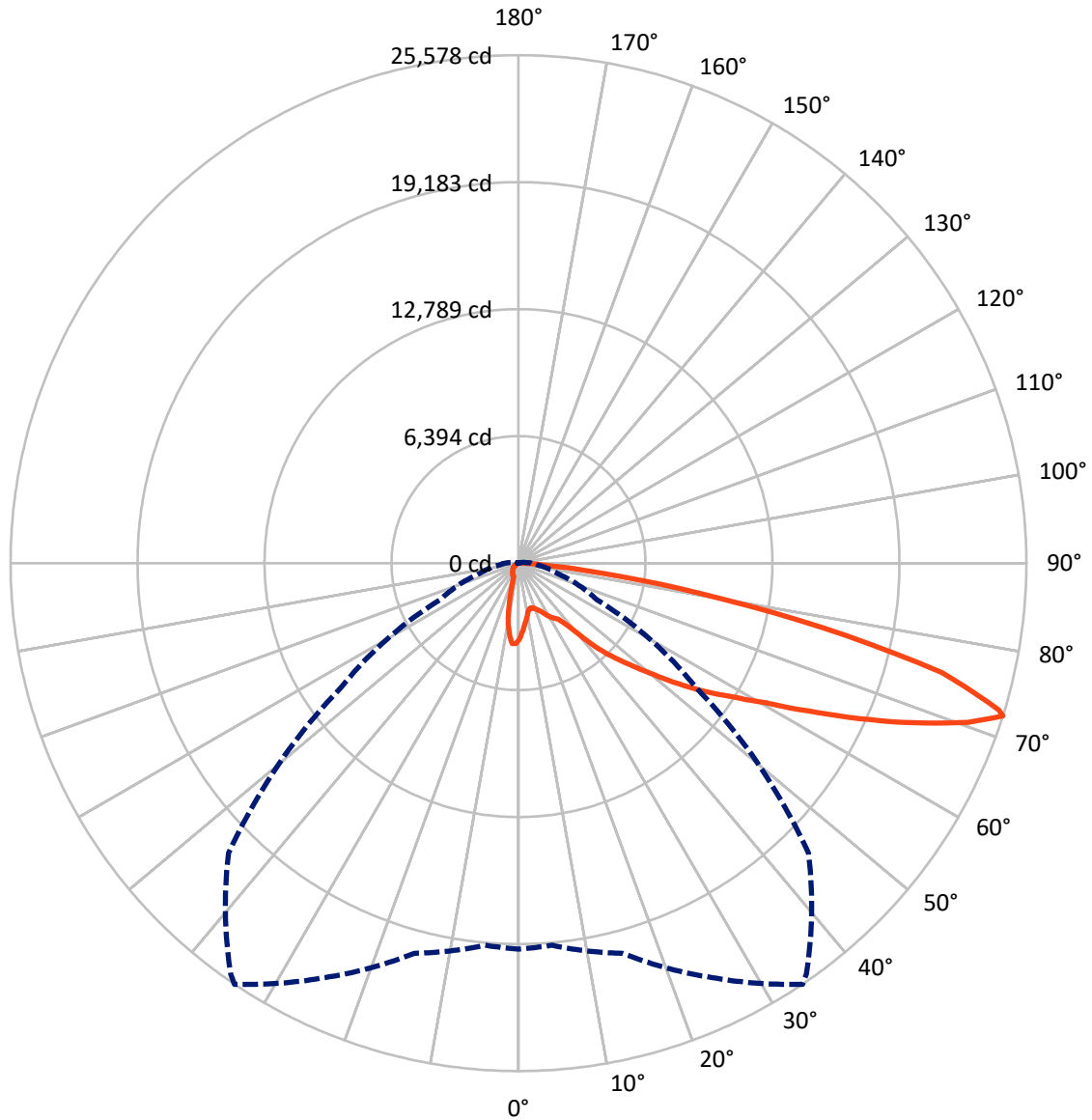
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2696.6	0.0	2696.6
	% Fixture	10.2	0.0	10.2
Street Side	Lumens	23643.7	0.0	23643.7
	% Fixture	89.8	0.0	89.8
Total	Lumens	26340.3	0.0	26340.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.5	1.3
10°-20°	757.4	2.9
20°-30°	1143.2	4.3
30°-40°	1855.1	7.0
40°-50°	3488.5	13.2
50°-60°	5703.7	21.7
60°-70°	7582.3	28.8
70°-80°	5077.8	19.3
80°-90°	397.9	1.5
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°	26340.3	100.0
0°-180°	26340.3	100.0



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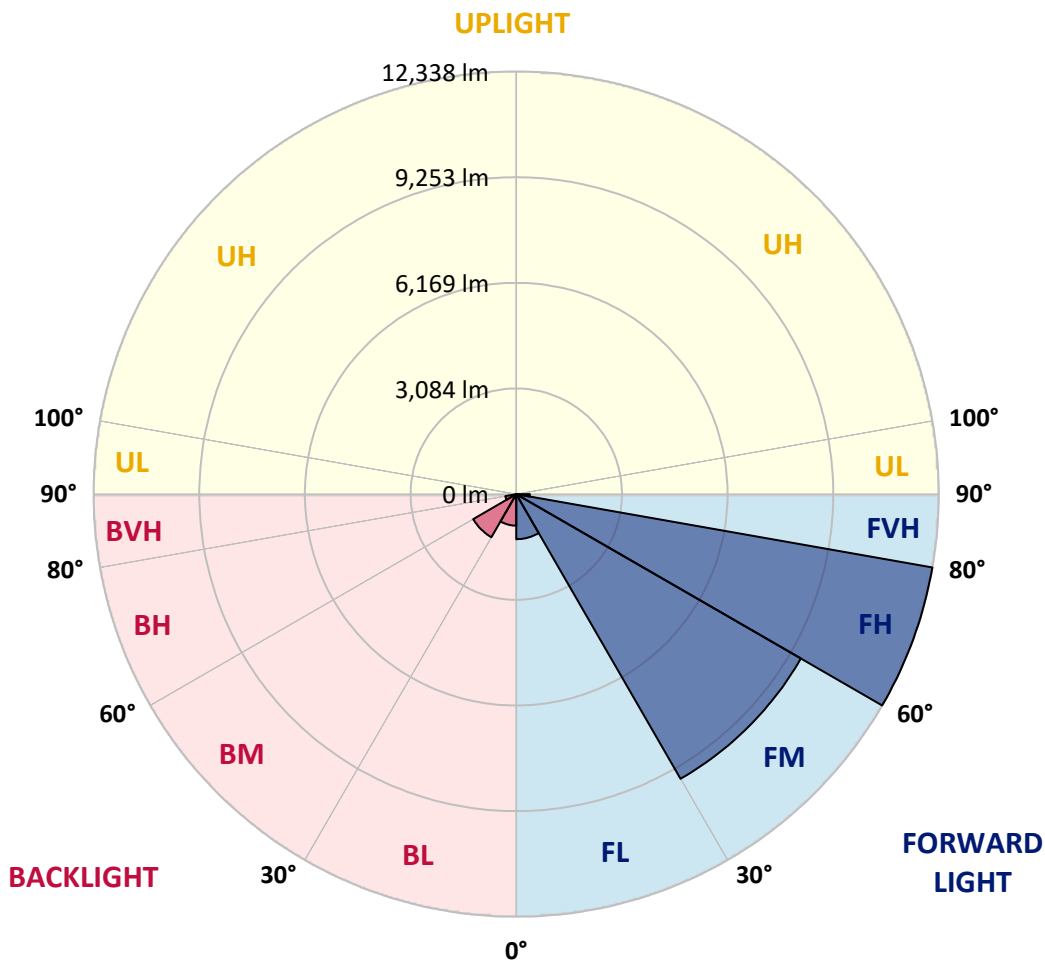
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1315.0	5.0			
FM (30°-60°)	9595.7	36.4			
FH (60°-80°)	12337.6	46.8			G5
FVH (80°-90°)	395.4	1.5			G3/500
BL (0°-30°)	920.1	3.5	B2/1000		
BM (30°-60°)	1451.6	5.5	B2/2500		
BH (60°-80°)	322.5	1.2	B1/500		G1/500
BVH (80°-90°)	2.5	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-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	3853.6	3853.6	3853.6	3853.6	3853.6	3853.6	3853.6	3853.6	3853.6	3853.6	3853.6
2.5°	3408.1	3400.5	3423.3	3461.4	3499.5	3484.2	3556.6	3632.8	3686.1	3758.4	3846.0
5°	2977.8	2996.8	3019.7	3095.8	3145.3	3156.8	3290.0	3389.0	3552.8	3720.3	3876.5
7.5°	2585.6	2608.4	2654.1	2737.9	2840.7	2867.4	3000.6	3198.7	3411.9	3632.8	3887.9
10°	2300.0	2322.8	2372.3	2425.6	2562.7	2562.7	2745.5	3019.7	3297.7	3556.6	3891.7
12.5°	2239.1	2250.5	2246.7	2288.6	2376.1	2395.2	2574.2	2875.0	3198.7	3529.9	3952.6
15°	2311.4	2319.0	2280.9	2258.1	2334.3	2353.3	2520.8	2787.4	3133.9	3545.2	4051.6
17.5°	2456.1	2429.5	2353.3	2319.0	2383.8	2395.2	2551.3	2783.6	3126.3	3587.1	4165.9
20°	2539.9	2570.3	2437.1	2372.3	2463.7	2479.0	2646.5	2844.5	3164.4	3659.4	4325.8
22.5°	2688.4	2703.6	2524.6	2482.8	2570.3	2570.3	2760.7	2966.4	3255.8	3777.5	4516.2
25°	2897.8	2878.8	2669.4	2627.5	2711.2	2745.5	2935.9	3160.6	3396.7	3887.9	4691.4
27.5°	3061.6	3073.0	2901.6	2791.2	2932.1	2954.9	3160.6	3370.0	3503.3	3979.3	4904.6
30°	3305.3	3282.4	3099.6	2974.0	3149.1	3153.0	3351.0	3568.0	3708.9	4143.0	5224.5
32.5°	3594.7	3549.0	3339.5	3160.6	3301.5	3335.7	3537.6	3853.6	4028.8	4451.5	5719.5
35°	4207.7	4097.3	3754.6	3476.6	3488.1	3503.3	3815.5	4268.7	4470.5	4843.7	6382.1
37.5°	5102.6	5056.9	4668.5	4139.2	3937.4	3891.7	4242.0	4817.0	5068.3	5361.5	7242.7
40°	5989.9	5925.1	5563.4	5163.5	4798.0	4706.6	4881.8	5544.3	5772.8	6081.2	8126.1
42.5°	6976.1	6861.9	6435.4	6111.7	5883.2	5784.2	5715.7	6458.2	6717.2	6926.6	8990.5
45°	7973.8	7787.2	7170.3	6922.8	6800.9	6747.6	6740.0	7608.2	7764.3	7806.2	9950.1
47.5°	8849.6	8647.8	8088.0	7810.0	7718.7	7703.4	8129.9	8933.4	8811.5	8701.1	11020.1
50°	9523.6	9394.1	8990.5	8891.5	8822.9	8796.3	9794.0	10296.6	9733.0	9538.8	11960.7
52.5°	10567.0	10277.6	9820.6	9854.9	10094.8	10098.6	11480.9	11591.3	10498.4	10113.8	12847.9
55°	11400.9	11210.5	10837.3	10787.8	11419.9	11488.5	12992.6	12573.7	10924.9	10662.2	13175.4
57.5°	12383.3	12295.8	12025.4	12033.0	12695.6	12840.3	14336.8	13403.9	11279.1	11016.3	13224.9
60°	13803.7	13552.4	13411.5	13476.2	14256.8	14397.7	15639.1	14001.7	11450.4	11248.6	13103.0
62.5°	15372.6	15079.4	14927.0	15258.3	16396.9	16419.7	16629.2	14531.0	11343.8	11309.5	12318.6
65°	17261.3	16971.9	16850.0	17516.4	18868.2	18784.5	18019.1	14755.7	11004.9	10696.4	10258.5
67.5°	19142.4	18967.2	18715.9	19778.3	21461.4	21461.4	19462.3	14671.9	10117.6	8586.9	6709.6
70°	20033.5	20155.3	20555.1	22223.0	24008.9	23826.1	20886.4	13708.5	7532.1	4611.4	2638.9
72°	19439.4	19313.8	20345.7	23022.7	25577.8	25277.0	20646.5	10898.3	4352.5	2022.0	917.7
72.5°	18418.9	18536.9	19957.3	22912.2	25284.6	25532.1	20060.1	10052.9	3579.4	1610.7	693.0
75°	11294.3	11496.1	14896.6	19454.7	22032.6	21754.6	15517.3	4790.4	1374.7	685.4	247.5
77.5°	4124.0	4291.5	7227.4	12242.5	15669.6	15494.4	8979.1	1702.1	746.4	510.3	125.7
80°	1073.8	1161.4	2456.1	5647.1	9215.2	9226.6	3758.4	681.6	506.5	418.9	76.2
82.5°	213.2	236.1	754.0	2197.2	4306.8	4249.6	1188.1	365.6	380.8	342.7	53.3
85°	26.7	34.3	159.9	746.4	1393.7	1249.0	293.2	182.8	281.8	266.6	34.3
87.5°	3.8	3.8	38.1	171.4	293.2	285.6	60.9	57.1	125.7	163.7	19.0
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°	3853.6	3853.6	3853.6	3853.6	3853.6	3853.6	3853.6	3853.6	3853.6	3853.6	3853.6
2.5°	3895.5	3910.7	3964.0	4009.7	4063.0	4078.3	4055.4	4093.5	4040.2	4070.7	4078.3
5°	3903.1	3990.7	4089.7	4154.4	4139.2	4101.1	4070.7	3967.9	3895.5	3868.8	3926.0
7.5°	3956.4	4055.4	4162.1	4162.1	4078.3	3880.3	3689.9	3507.1	3354.8	3278.6	3343.4
10°	4025.0	4127.8	4238.2	4093.5	3781.3	3419.5	3149.1	2806.4	2574.2	2452.3	2463.7
12.5°	4116.4	4261.1	4299.1	3964.0	3446.2	2909.2	2418.0	1942.0	1721.2	1546.0	1549.8
15°	4234.4	4375.3	4261.1	3682.3	3019.7	2227.6	1637.4	1184.3	1009.1	917.7	917.7
17.5°	4390.5	4497.2	4249.6	3423.3	2444.7	1523.2	1005.3	799.7	761.6	746.4	746.4
20°	4573.3	4653.3	4139.2	3019.7	1816.4	978.6	738.7	715.9	719.7	712.1	712.1
22.5°	4778.9	4805.6	4013.5	2551.3	1230.0	723.5	689.2	693.0	696.8	689.2	693.0
25°	4996.0	4923.6	3830.8	2003.0	818.7	658.8	666.4	674.0	677.8	681.6	681.6
27.5°	5239.7	5095.0	3575.6	1466.0	639.7	620.7	643.5	666.4	670.2	670.2	666.4
30°	5597.6	5357.7	3328.1	993.9	563.6	578.8	616.9	643.5	662.6	662.6	658.8
32.5°	6050.8	5631.9	2981.6	677.8	521.7	529.3	559.8	613.1	655.0	658.8	647.3
35°	6679.1	5963.2	2619.8	540.7	491.2	495.0	514.1	556.0	628.3	651.2	647.3
37.5°	7341.7	6340.2	2170.5	487.4	468.4	464.6	476.0	510.3	575.0	632.1	635.9
40°	8046.1	6736.2	1698.3	460.8	449.3	441.7	445.5	460.8	510.3	582.6	597.8
42.5°	8708.7	7094.2	1275.7	434.1	430.3	422.7	422.7	426.5	453.1	502.6	510.3
45°	9424.6	7387.4	971.0	415.1	403.6	407.4	392.2	384.6	403.6	407.4	403.6
47.5°	10094.8	7680.6	776.8	392.2	380.8	380.8	361.8	346.5	346.5	312.2	308.4
50°	10723.1	7840.5	620.7	361.8	357.9	354.1	327.5	300.8	278.0	236.1	228.5
52.5°	11244.8	7832.9	479.8	323.7	335.1	323.7	281.8	243.7	209.4	171.4	163.7
55°	11400.9	7467.3	361.8	266.6	285.6	270.4	224.7	190.4	152.3	121.9	118.0
57.5°	11267.6	6911.4	274.2	205.6	220.9	205.6	171.4	140.9	106.6	83.8	76.2
60°	10822.1	6260.2	213.2	159.9	167.5	156.1	129.5	106.6	76.2	53.3	45.7
62.5°	9976.7	5445.3	163.7	125.7	121.9	121.9	99.0	80.0	53.3	30.5	26.7
65°	8187.0	4245.8	125.7	87.6	87.6	87.6	76.2	57.1	34.3	15.2	7.6
67.5°	5140.7	2471.3	102.8	68.5	64.7	64.7	53.3	38.1	19.0	3.8	0.0
70°	1934.4	906.3	80.0	53.3	49.5	49.5	38.1	22.8	11.4	0.0	0.0
72°	666.4	346.5	64.7	38.1	38.1	34.3	26.7	19.0	7.6	0.0	0.0
72.5°	548.3	278.0	60.9	38.1	34.3	34.3	26.7	19.0	7.6	0.0	0.0
75°	198.0	114.2	41.9	26.7	22.8	22.8	19.0	11.4	3.8	0.0	0.0
77.5°	99.0	72.4	34.3	22.8	19.0	11.4	11.4	7.6	3.8	0.0	0.0
80°	60.9	45.7	19.0	15.2	11.4	7.6	3.8	3.8	0.0	0.0	0.0
82.5°	41.9	26.7	11.4	11.4	7.6	3.8	0.0	0.0	0.0	0.0	0.0
85°	26.7	11.4	7.6	7.6	3.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.4	7.6	3.8	0.0	0.0	0.0	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)