

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: P480185

Luminaire Tested: **IFLD-S-SA3B-760-U-SL2**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P480185  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-760-U-SL2  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

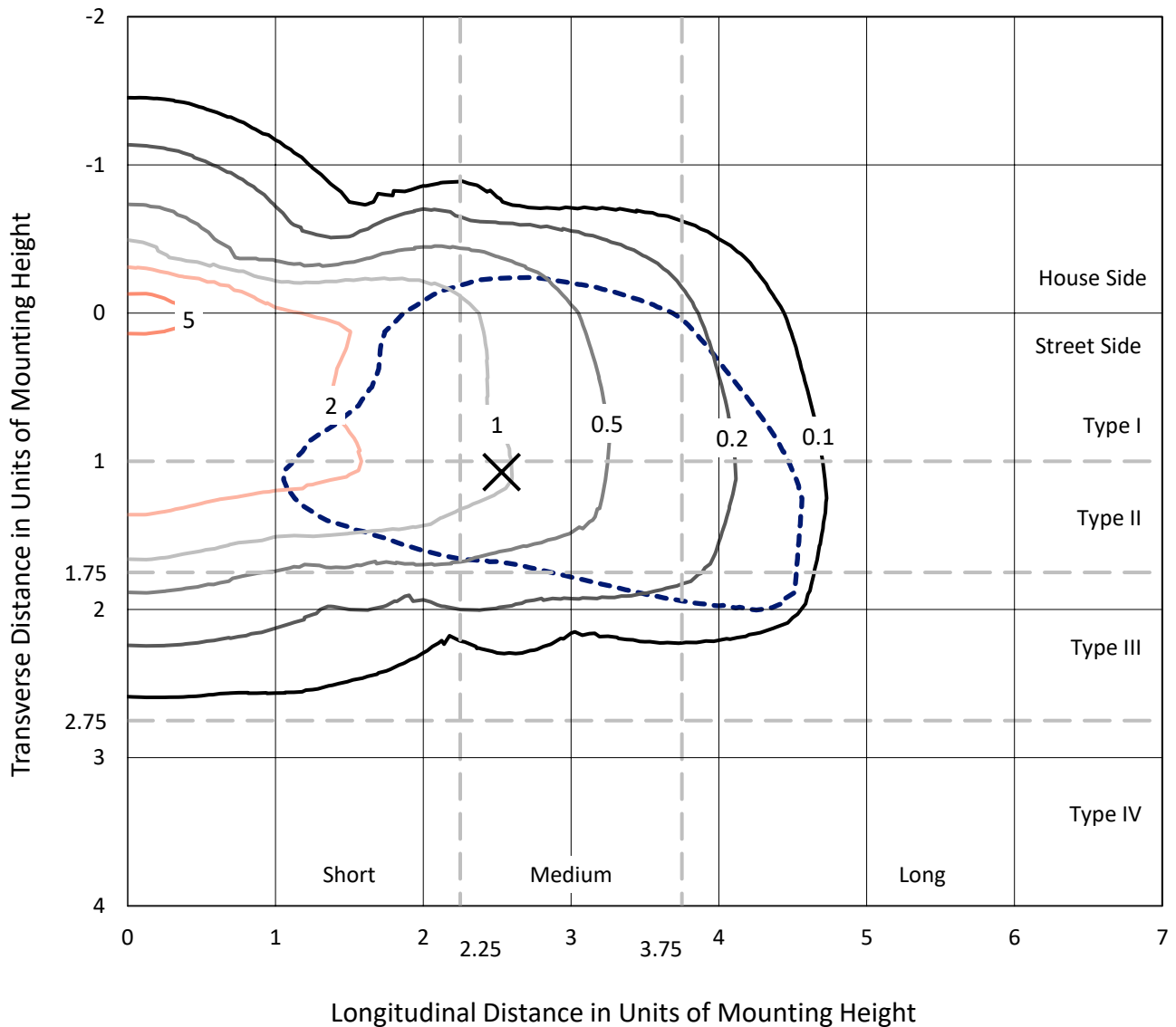
Lumens per Lamp: N/A  
Luminaire Lumens: 17354.3 lumens  
Efficiency: N/A  
Efficacy: 141.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3

Input Watts (W): 122.4  
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

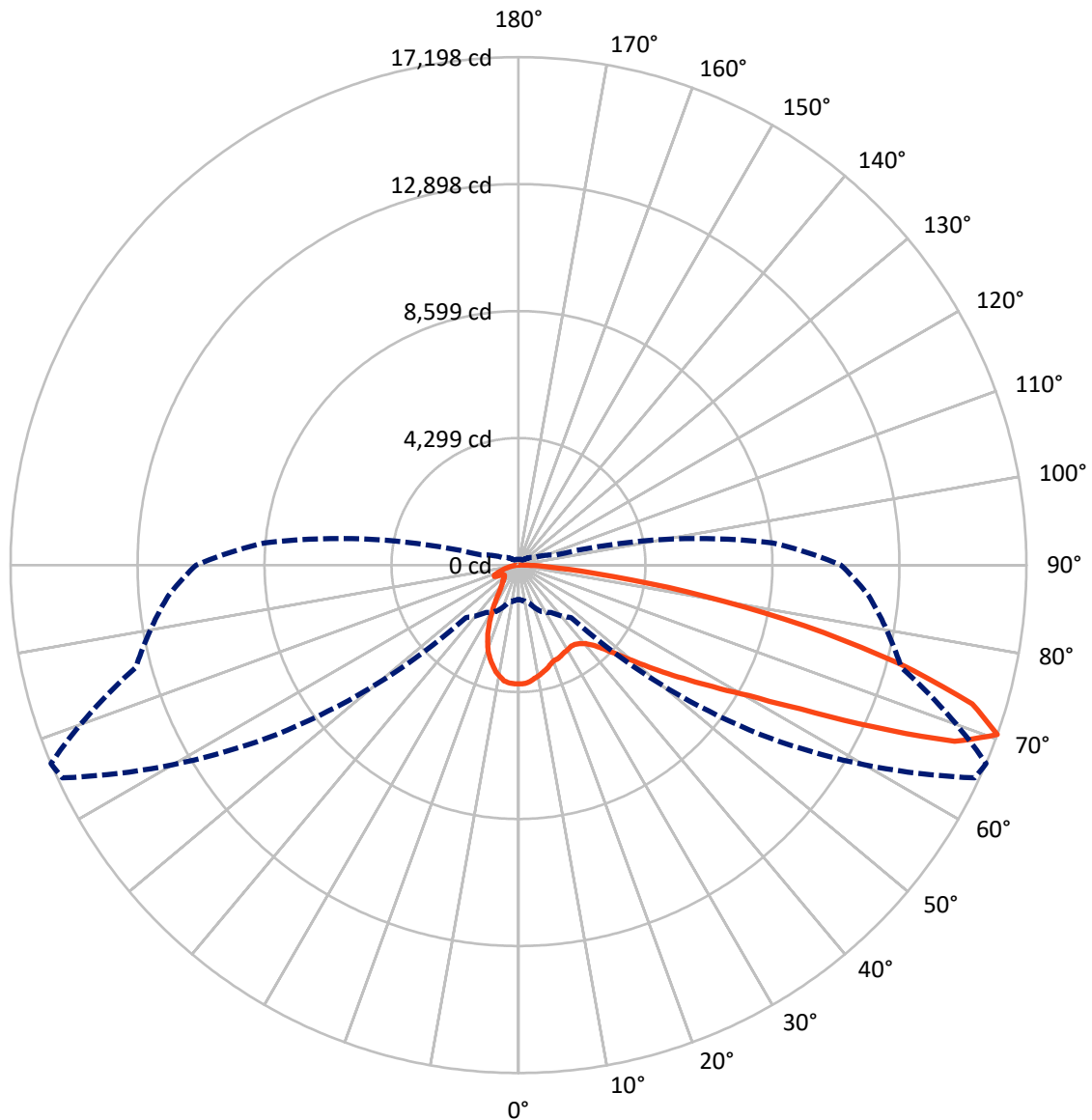
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3379.9	0.0	3379.9
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	13974.4	0.0	13974.4
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	17354.3	0.0	17354.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	350.5	2.0
10°-20°	839.5	4.8
20°-30°	1133.7	6.5
30°-40°	1517.0	8.7
40°-50°	2230.7	12.9
50°-60°	3477.1	20.0
60°-70°	4283.2	24.7
70°-80°	3026.5	17.4
80°-90°	496.1	2.9
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°	17354.3	100.0
0°-180°	17354.3	100.0

**Coefficient of Utilization**

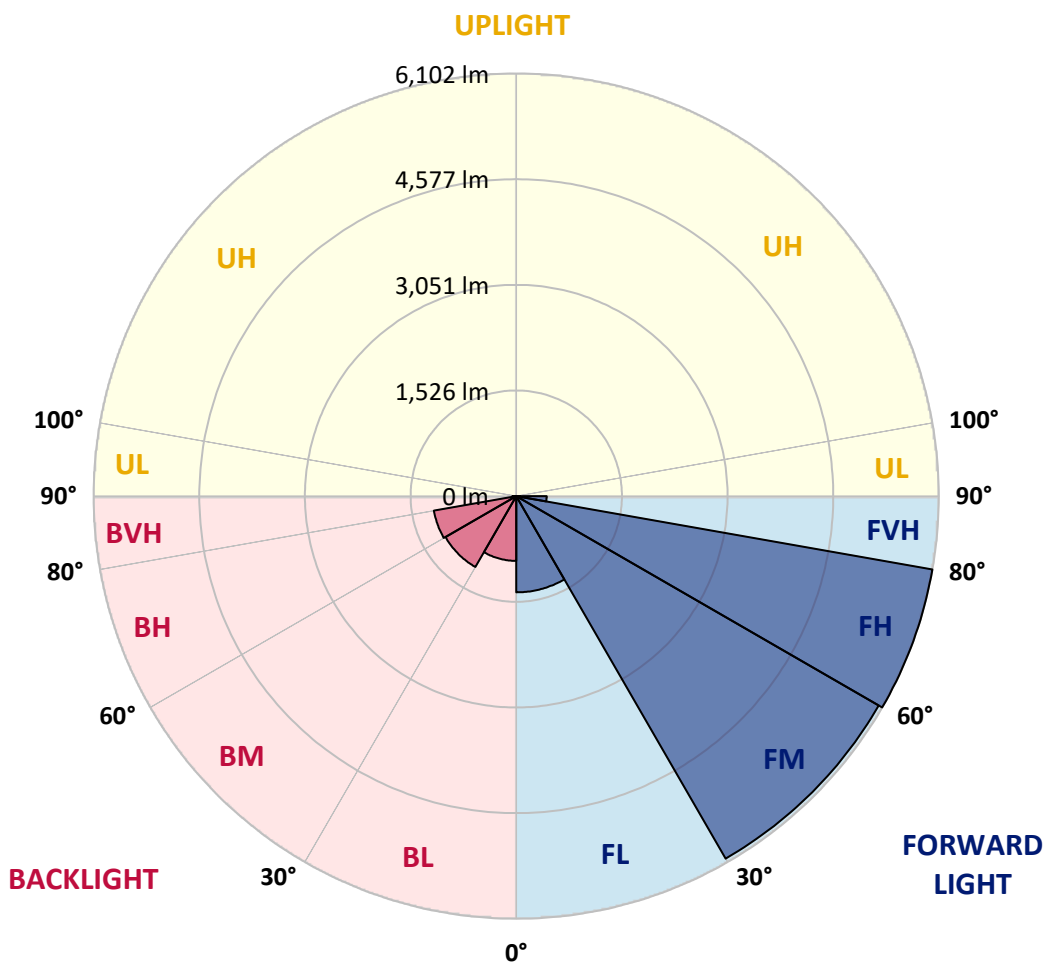


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1389.1	8.0			
FM (30°-60°)	6044.1	34.8			
FH (60°-80°)	6102.4	35.2			G3/7500
FVH (80°-90°)	438.8	2.5			G3/500
BL (0°-30°)	934.7	5.4	B2/1000		
BM (30°-60°)	1180.7	6.8	B2/2500		
BH (60°-80°)	1207.4	7.0	B3/2500		G3/2500
BVH (80°-90°)	57.2	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	4017.5	4017.5	4017.5	4017.5	4017.5	4017.5	4017.5	4017.5	4017.5	4017.5	4017.5
2.5°	3740.8	3783.1	3798.4	3821.5	3881.1	3925.2	3952.1	3982.9	4019.4	4050.1	4069.3
5°	3479.5	3502.6	3539.1	3564.0	3639.0	3758.1	3838.8	3969.4	3965.6	4013.6	4086.6
7.5°	3225.9	3248.9	3266.2	3316.2	3423.8	3531.4	3679.3	3890.7	3875.3	3986.7	4100.1
10°	3068.3	3051.0	3056.8	3141.3	3225.9	3346.9	3533.3	3748.5	3804.2	3977.1	4138.5
12.5°	2920.4	2901.2	2947.3	3001.1	3104.8	3214.4	3437.2	3631.3	3715.8	3942.5	4155.8
15°	2828.2	2814.7	2872.4	2895.4	3018.4	3149.0	3306.6	3542.9	3635.1	3900.3	4128.9
17.5°	2776.3	2787.8	2809.0	2858.9	2937.7	3049.1	3222.0	3483.3	3523.7	3848.4	4123.1
20°	2785.9	2799.4	2801.3	2822.4	2876.2	2962.7	3139.4	3419.9	3446.8	3838.8	4138.5
22.5°	2862.8	2843.5	2851.2	2837.8	2853.2	2920.4	3076.0	3335.4	3439.2	3758.1	4105.9
25°	2978.0	2951.1	2947.3	2901.2	2872.4	2891.6	3064.5	3314.3	3381.5	3733.1	4103.9
27.5°	3181.7	3141.3	3141.3	3072.2	2955.0	2924.2	3031.8	3279.7	3339.2	3710.1	4059.7
30°	3377.7	3377.7	3379.6	3281.6	3151.0	2999.2	3045.3	3266.2	3304.7	3640.9	4000.2
32.5°	3615.9	3610.2	3600.5	3552.5	3350.8	3124.1	3110.6	3248.9	3268.2	3617.8	3982.9
35°	3848.4	3833.0	3908.0	3865.7	3660.1	3368.1	3177.9	3256.6	3298.9	3583.3	3929.1
37.5°	4023.2	4032.8	4188.5	4215.4	4038.6	3644.7	3368.1	3333.5	3373.8	3633.2	3929.1
40°	4249.9	4288.4	4434.4	4524.7	4417.1	4009.8	3669.7	3462.2	3491.0	3744.6	4013.6
42.5°	4547.8	4580.4	4766.8	4884.0	4853.2	4474.7	3967.5	3731.2	3708.1	3931.0	4140.4
45°	4941.6	4947.4	5135.7	5297.1	5360.5	4960.8	4440.2	4071.3	4052.1	4251.9	4372.9
47.5°	5410.4	5404.7	5521.9	5694.8	5865.8	5541.1	4983.9	4588.1	4518.9	4711.1	4759.1
50°	5863.9	5838.9	5865.8	6086.7	6415.3	6267.3	5644.8	5220.2	5151.0	5256.7	5339.3
52.5°	6113.6	6144.4	6071.4	6363.4	6999.4	7126.2	6520.9	5975.3	5915.7	5967.6	6111.7
55°	5938.8	6002.2	5954.2	6230.8	7254.9	8173.3	7654.5	6849.5	6772.6	6753.4	6989.7
57.5°	5195.2	5310.5	5320.1	5758.2	7166.5	8984.1	9249.2	7881.2	7766.0	7570.0	7814.0
60°	3988.6	4103.9	4192.3	4711.1	6409.5	9468.2	11097.5	9349.1	8968.7	8461.5	8607.5
62.5°	2795.5	2874.3	2962.7	3281.6	4941.6	9183.9	12696.0	11416.5	10715.2	9401.0	9583.5
65°	2036.6	2098.1	2188.4	2376.7	3035.7	7598.8	13437.7	13871.9	13207.1	10596.1	10573.0
67.5°	1533.2	1571.6	1690.8	1992.4	2103.8	4693.8	12669.2	16465.7	15927.7	11923.7	11368.4
70°	1160.5	1193.1	1304.6	1717.7	1965.5	2516.9	9994.7	17044.0	17197.7	13412.7	11902.5
72.5°	799.3	835.8	960.7	1431.4	1871.4	1996.2	6273.1	15483.9	16066.0	14025.6	11330.0
75°	489.9	514.9	587.9	1085.5	1857.9	1952.1	3452.6	12688.4	13305.1	12959.3	9912.1
77.5°	345.8	343.9	357.4	636.0	1610.1	1963.6	2128.8	9297.2	9896.7	9550.9	6726.5
80°	251.7	253.6	267.1	380.4	1093.2	1996.2	1677.3	6227.0	6405.7	4980.0	2653.3
82.5°	151.8	159.5	192.1	257.5	657.1	1802.2	1550.5	3460.3	3237.4	1598.5	730.1
85°	80.7	80.7	113.4	163.3	349.7	1344.9	1492.9	1646.6	1379.5	495.7	270.9
87.5°	19.2	19.2	32.7	65.3	140.3	643.6	1018.3	655.2	524.5	167.2	111.4
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°	4017.5	4017.5	4017.5	4017.5	4017.5	4017.5	4017.5	4017.5	4017.5	4017.5	4017.5
2.5°	4061.7	4038.6	4067.4	4009.8	3963.7	3965.6	3894.5	3890.7	3881.1	3831.1	3848.4
5°	4107.8	4088.6	4055.9	3992.5	3890.7	3788.8	3727.4	3648.6	3615.9	3598.6	3606.3
7.5°	4152.0	4117.4	4023.2	3934.9	3777.3	3585.2	3473.7	3368.1	3233.6	3218.2	3191.3
10°	4163.5	4090.5	3969.4	3781.1	3571.7	3358.5	3104.8	2908.9	2805.1	2724.4	2693.7
12.5°	4146.2	4115.5	3883.0	3640.9	3323.9	2989.6	2693.7	2417.0	2224.9	2125.0	2098.1
15°	4144.3	4090.5	3786.9	3427.6	3022.2	2586.1	2165.3	1832.9	1631.2	1548.6	1548.6
17.5°	4146.2	4017.5	3673.6	3212.4	2666.8	2076.9	1613.9	1341.1	1229.6	1218.1	1227.7
20°	4107.8	3963.7	3554.4	2958.8	2221.0	1560.1	1172.0	1060.6	1060.6	1075.9	1081.7
22.5°	4073.2	3883.0	3366.1	2645.7	1767.6	1129.7	953.0	920.3	956.8	983.7	995.2
25°	4025.2	3815.7	3174.0	2320.9	1344.9	910.7	828.1	835.8	870.4	918.4	914.5
27.5°	3956.0	3698.5	2945.4	1944.4	1001.0	785.8	764.7	768.5	805.0	826.2	822.3
30°	3877.2	3579.4	2734.0	1569.7	793.5	720.5	718.6	728.2	733.9	745.5	743.5
32.5°	3777.3	3421.9	2509.2	1220.0	714.7	684.0	676.3	670.5	676.3	674.4	668.6
35°	3706.2	3337.3	2280.6	929.9	670.5	651.3	645.6	636.0	628.3	616.7	614.8
37.5°	3687.0	3252.8	2040.4	758.9	636.0	626.3	607.1	589.8	580.2	574.5	570.6
40°	3675.5	3197.1	1806.0	666.7	607.1	597.5	574.5	551.4	541.8	536.0	538.0
42.5°	3715.8	3166.3	1567.8	620.6	582.2	564.9	539.9	513.0	511.1	507.2	513.0
45°	3858.0	3204.8	1346.8	587.9	557.2	528.4	495.7	482.3	480.3	476.5	480.3
47.5°	4180.8	3300.8	1158.6	566.8	530.3	505.3	470.7	451.5	449.6	447.7	447.7
50°	4626.5	3596.7	1001.0	541.8	513.0	478.4	445.7	424.6	420.8	413.1	413.1
52.5°	5325.9	4094.3	906.9	528.4	482.3	453.4	418.8	395.8	386.2	378.5	378.5
55°	6113.6	4711.1	889.6	505.3	449.6	422.7	391.9	368.9	359.3	349.7	345.8
57.5°	7010.9	5527.6	1012.5	489.9	426.5	391.9	357.4	336.2	328.5	318.9	315.1
60°	7846.7	6342.3	1394.9	466.9	405.4	363.1	328.5	307.4	297.8	288.2	288.2
62.5°	8813.1	7351.0	2042.4	466.9	386.2	332.4	297.8	282.4	276.7	267.1	265.1
65°	9956.3	8394.2	2515.0	495.7	380.4	305.5	269.0	253.6	247.8	242.1	240.2
67.5°	10826.6	8993.7	2163.4	572.6	405.4	282.4	240.2	230.6	226.7	221.0	217.1
70°	10918.8	8628.6	1304.6	618.7	430.4	259.4	215.2	205.6	205.6	199.8	196.0
72.5°	10090.7	7656.4	878.0	551.4	390.0	232.5	190.2	182.5	178.7	174.8	172.9
75°	8444.2	6494.0	693.6	440.0	299.7	192.1	165.2	157.5	151.8	149.9	146.0
77.5°	5671.7	4221.1	513.0	343.9	221.0	155.6	138.3	130.6	124.9	123.0	117.2
80°	2178.8	1608.1	330.5	249.8	155.6	123.0	109.5	101.8	98.0	92.2	88.4
82.5°	641.7	520.7	184.4	153.7	99.9	84.5	78.8	73.0	67.2	61.5	59.6
85°	265.1	238.2	113.4	80.7	61.5	50.0	46.1	40.3	34.6	30.7	26.9
87.5°	123.0	101.8	51.9	30.7	21.1	11.5	5.8	1.9	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)