

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: P483571

Luminaire Tested: **IFLD-L-SA8D-730-U-T4W-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483571  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8D-730-U-T4W-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens with House Side Shield  
Light Source: (128) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

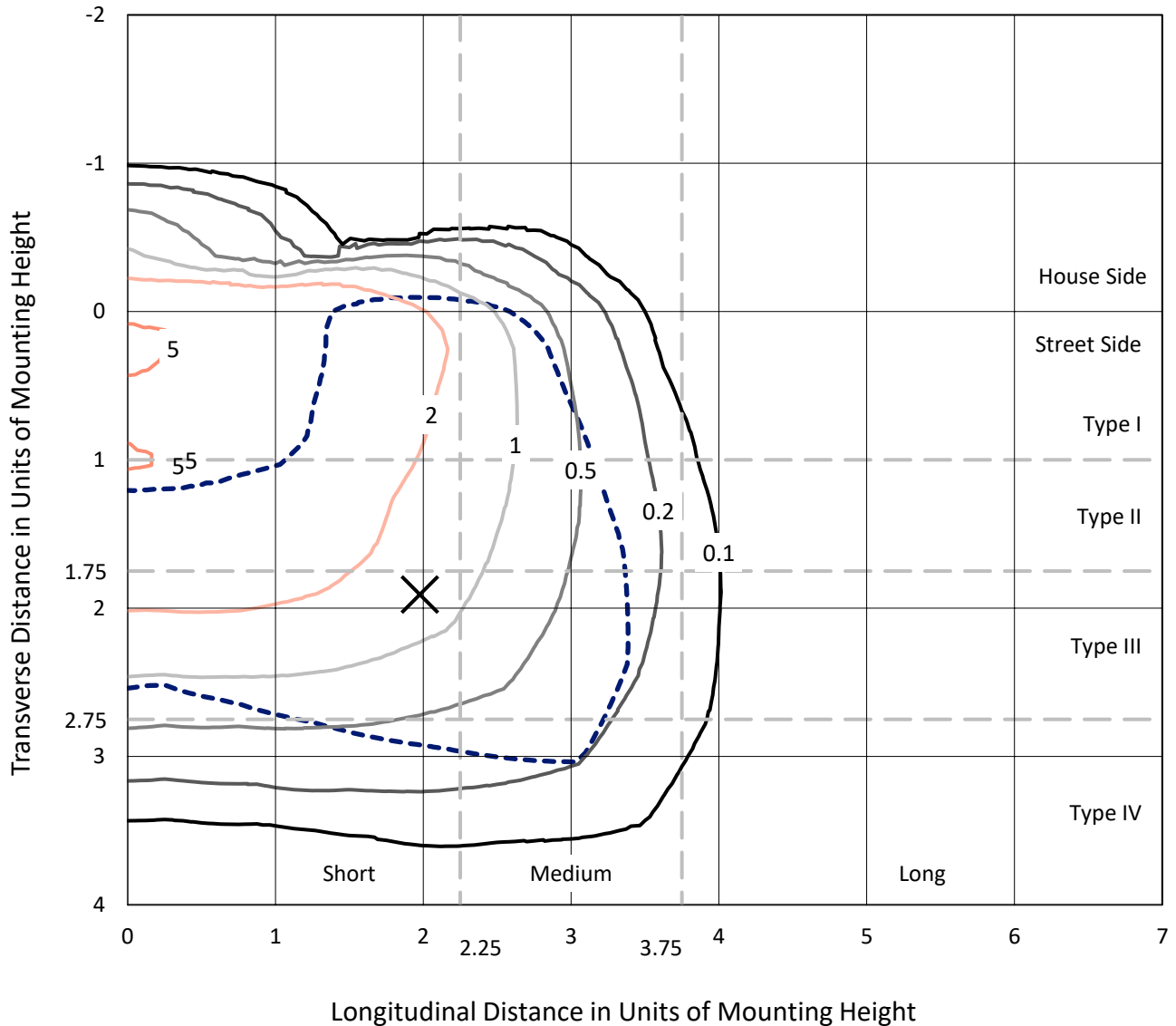
Lumens per Lamp: N/A  
Luminaire Lumens: 37455.3 lumens  
Efficiency: N/A  
Efficacy: 76.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5

Input Watts (W): 488.3  
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: P483571  
 CATALOG NUMBER: IFLD-L-SA8D-730-U-T4W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

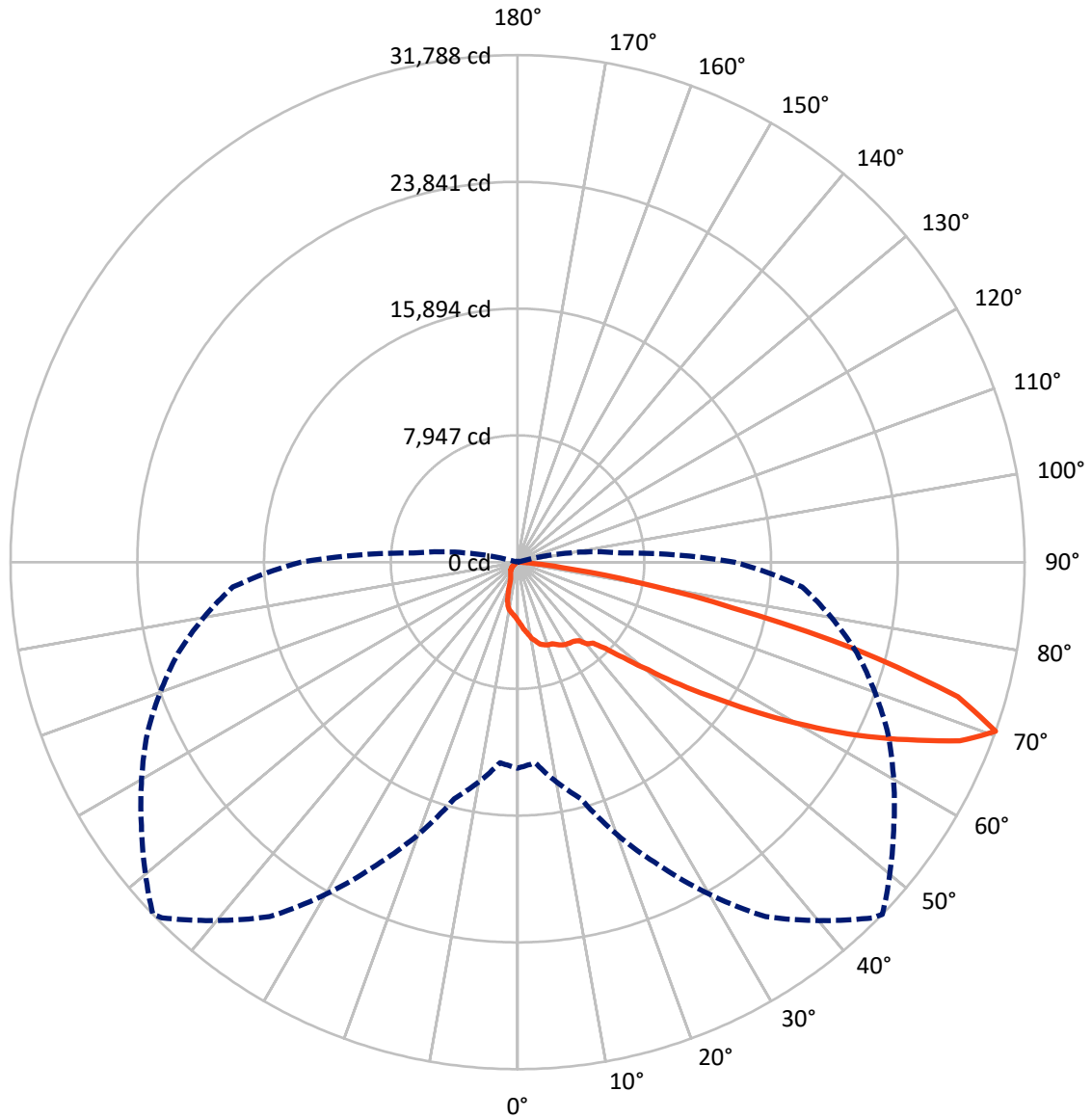
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6 fc  
 Type IV - Short - N/A

REPORT NUMBER: P483571  
CATALOG NUMBER: IFLD-L-SA8D-730-U-T4W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P483571  
 CATALOG NUMBER: IFLD-L-SA8D-730-U-T4W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3726.9	0.0	3726.9
	% Fixture	10.0	0.0	10.0
<b>Street Side</b>	Lumens	33728.4	0.0	33728.4
	% Fixture	90.0	0.0	90.0
<b>Total</b>	Lumens	37455.3	0.0	37455.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	366.6	1.0
10°-20°	1107.2	3.0
20°-30°	1773.5	4.7
30°-40°	2531.4	6.8
40°-50°	4371.1	11.7
50°-60°	8368.9	22.3
60°-70°	12392.9	33.1
70°-80°	6138.1	16.4
80°-90°	405.6	1.1
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°	37455.3	100.0
0°-180°	37455.3	100.0

**Coefficient of Utilization**

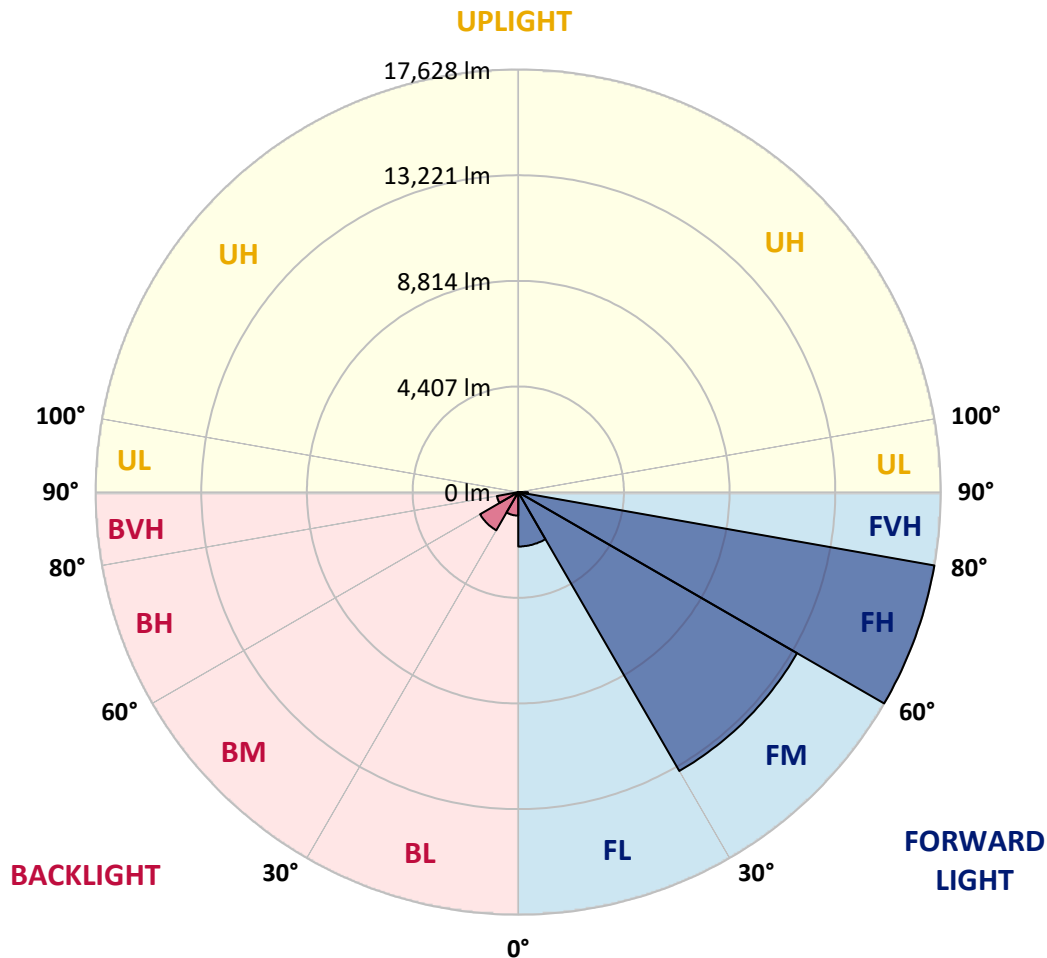


REPORT NUMBER: P483571  
 CATALOG NUMBER: IFLD-L-SA8D-730-U-T4W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2268.2	6.1			
FM (30°-60°)	13431.4	35.9			
FH (60°-80°)	17628.4	47.1			G5
FVH (80°-90°)	400.4	1.1			G3/500
BL (0°-30°)	979.1	2.6	B2/1000		
BM (30°-60°)	1840.0	4.9	B2/2500		
BH (60°-80°)	902.6	2.4	B2/1000		G2/1000
BVH (80°-90°)	5.2	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





REPORT NUMBER: P483571

CATALOG NUMBER: IFLD-L-SA8D-730-U-T4W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	3676.9	3676.9	3676.9	3676.9	3676.9	3676.9	3676.9	3676.9	3676.9	3676.9	3676.9
2.5°	4102.9	4075.9	4032.8	4016.6	3973.5	3951.9	3919.6	3903.4	3844.1	3784.8	3747.0
5°	4604.3	4539.6	4561.1	4496.4	4356.3	4243.0	4237.7	4113.7	3978.9	3871.0	3725.5
7.5°	5111.1	5057.2	4976.3	4884.6	4728.3	4561.1	4512.6	4394.0	4205.3	4016.6	3822.5
10°	5493.9	5456.1	5386.0	5256.6	5041.0	4852.3	4857.7	4658.2	4458.7	4243.0	3978.9
12.5°	5731.1	5747.3	5644.8	5515.4	5326.7	5089.5	5084.1	4949.3	4722.9	4496.4	4183.7
15°	5968.3	6027.6	5871.3	5720.3	5477.7	5305.2	5337.5	5175.8	4954.7	4695.9	4350.9
17.5°	6006.0	6022.2	5989.9	5768.8	5590.9	5445.3	5450.7	5342.9	5175.8	4895.4	4598.9
20°	5941.3	5930.6	5892.8	5731.1	5612.5	5526.2	5531.6	5504.6	5413.0	5186.5	4782.2
22.5°	5752.6	5752.6	5704.1	5596.3	5542.4	5623.3	5558.6	5661.0	5563.9	5429.2	5094.9
25°	5601.7	5661.0	5634.0	5563.9	5585.5	5693.3	5725.7	5822.7	5806.6	5639.4	5310.5
27.5°	5763.4	5693.3	5709.5	5628.6	5709.5	5871.3	5887.4	5957.5	5952.1	5817.3	5504.6
30°	5871.3	5936.0	5812.0	5634.0	5720.3	5995.3	5984.5	6076.1	6119.3	5957.5	5687.9
32.5°	6216.3	6162.4	6060.0	5822.7	5833.5	5989.9	6038.4	6157.0	6184.0	6086.9	5865.9
35°	6922.6	6841.7	6394.2	6038.4	5984.5	6060.0	6092.3	6324.1	6372.7	6264.8	6054.6
37.5°	8011.7	7828.3	7289.2	6502.1	6259.4	6243.3	6243.3	6550.6	6733.9	6485.9	6334.9
40°	9569.8	9311.0	8728.7	7359.3	6620.7	6685.4	6750.1	6917.2	6895.6	6733.9	6701.5
42.5°	11553.8	11354.3	10723.5	8798.8	7310.8	6987.3	6933.4	7159.8	7499.5	7434.8	7413.2
45°	13209.0	13219.8	12815.4	10772.1	8502.3	7682.8	7720.5	7893.0	8464.5	8416.0	8410.6
47.5°	14416.7	14265.7	14206.4	12675.2	10238.3	9003.7	8949.8	9068.4	9812.4	10119.7	10259.9
50°	15516.5	15414.1	15273.9	14524.5	12324.8	10658.8	10604.9	10615.7	11753.3	12184.6	12529.7
52.5°	16880.5	17009.9	16546.3	16088.0	15025.9	12810.0	12750.7	12540.4	13953.0	14546.1	14955.8
55°	18562.7	18320.0	17797.1	18034.3	17608.4	15133.7	15025.9	14777.9	16460.0	16708.0	17139.3
57.5°	18934.7	18751.4	19290.5	20131.6	20541.3	17861.8	17818.6	17371.2	18568.1	18341.6	19560.1
60°	19862.0	19910.5	20659.9	22331.3	23042.9	21010.4	20800.1	20013.0	20611.4	20654.5	21953.9
62.5°	20816.3	20703.1	22379.8	23986.4	25080.9	23991.8	23921.7	22358.2	23037.5	22487.6	24207.5
65°	20115.4	20287.9	22687.1	25377.4	27722.7	26908.6	26849.3	24617.2	24989.2	24304.5	25124.0
67.5°	17624.6	17274.1	20633.0	24741.2	29081.3	29965.5	29900.8	27081.1	26089.1	24293.7	23220.8
70°	12917.8	12615.9	15354.8	20951.1	27135.0	31529.0	31787.8	28795.6	25641.6	22029.3	17915.7
72.5°	6329.5	6334.9	8604.7	14206.4	21468.6	28736.3	28865.7	26401.8	22029.3	16239.0	10146.7
75°	1870.8	1892.4	3186.3	6965.7	13877.5	21824.5	21970.0	20039.9	15268.5	8389.1	3461.3
77.5°	684.7	684.7	1056.7	2614.8	6922.6	13775.1	13764.3	12303.2	7731.3	2841.3	808.7
80°	355.8	372.0	549.9	1067.5	2997.6	7176.0	7445.6	6022.2	2938.3	1196.9	237.2
82.5°	145.6	161.7	301.9	549.9	1439.5	2517.8	2755.0	2361.4	1277.8	835.7	107.8
85°	43.1	48.5	145.6	307.3	566.1	630.8	700.9	792.5	803.3	647.0	48.5
87.5°	5.4	5.4	59.3	102.4	124.0	134.8	156.4	156.4	409.7	452.9	27.0
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: P483571

CATALOG NUMBER: IFLD-L-SA8D-730-U-T4W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3676.9	3676.9	3676.9	3676.9	3676.9	3676.9	3676.9	3676.9	3676.9	3676.9	3676.9
2.5°	3703.9	3676.9	3633.8	3536.8	3515.2	3445.1	3439.7	3375.0	3396.6	3353.5	3337.3
5°	3676.9	3617.6	3499.0	3423.6	3348.1	3299.5	3267.2	3240.2	3234.9	3213.3	3202.5
7.5°	3725.5	3644.6	3461.3	3342.7	3213.3	3170.2	3100.1	3094.7	3056.9	3019.2	3019.2
10°	3887.2	3741.6	3542.2	3342.7	3175.5	3035.4	2873.6	2755.0	2711.9	2614.8	2625.6
12.5°	4016.6	3887.2	3596.1	3391.2	3137.8	2819.7	2463.9	2188.9	2059.5	1935.5	1984.0
15°	4199.9	4011.2	3698.5	3402.0	2992.2	2442.3	1860.0	1552.7	1434.1	1407.2	1401.8
17.5°	4399.4	4199.9	3827.9	3375.0	2695.7	1887.0	1369.4	1191.5	1213.1	1245.4	1240.0
20°	4620.4	4377.8	3925.0	3283.4	2226.7	1369.4	1121.4	1116.0	1148.4	1196.9	1207.7
22.5°	4852.3	4642.0	4043.6	3008.4	1660.6	1099.8	1078.3	1078.3	1099.8	1159.2	1148.4
25°	5111.1	4830.7	4102.9	2582.5	1191.5	1013.6	1024.4	1045.9	1056.7	1105.2	1110.6
27.5°	5310.5	5041.0	4119.0	2070.3	970.5	938.1	965.1	992.0	1008.2	1045.9	1062.1
30°	5493.9	5305.2	4032.8	1541.9	889.6	873.4	884.2	921.9	954.3	986.6	986.6
32.5°	5725.7	5456.1	3833.3	1094.5	841.1	814.1	808.7	824.9	862.6	900.4	900.4
35°	5962.9	5709.5	3515.2	878.8	797.9	760.2	738.6	722.5	738.6	765.6	787.1
37.5°	6308.0	6092.3	3116.2	808.7	765.6	711.7	668.5	630.8	603.8	598.4	614.6
40°	6798.6	6523.6	2604.1	760.2	727.8	663.1	598.4	533.8	474.4	436.7	442.1
42.5°	7542.6	7159.8	2048.7	733.2	700.9	609.2	517.6	425.9	350.4	312.7	312.7
45°	8604.7	8000.9	1504.2	706.3	668.5	544.5	425.9	318.1	242.6	221.0	226.4
47.5°	10206.0	9014.5	1078.3	663.1	625.4	474.4	334.3	226.4	177.9	167.1	172.5
50°	12297.8	10216.7	841.1	614.6	571.5	399.0	248.0	167.1	140.2	134.8	140.2
52.5°	14492.1	11429.8	738.6	571.5	490.6	318.1	183.3	134.8	118.6	113.2	118.6
55°	16368.4	12211.6	641.6	506.8	393.6	237.2	145.6	118.6	102.4	86.3	86.3
57.5°	18266.1	12605.1	506.8	420.5	291.1	177.9	124.0	102.4	86.3	70.1	64.7
60°	19808.1	12885.5	361.2	312.7	204.9	140.2	107.8	91.7	70.1	53.9	48.5
62.5°	20821.7	12082.2	264.2	237.2	151.0	118.6	91.7	75.5	53.9	37.7	37.7
65°	20320.3	10971.5	204.9	167.1	113.2	91.7	75.5	53.9	37.7	21.6	16.2
67.5°	18233.8	8939.0	167.1	124.0	86.3	70.1	59.3	43.1	21.6	5.4	5.4
70°	13602.6	6550.6	134.8	91.7	70.1	53.9	43.1	27.0	10.8	5.4	0.0
72.5°	7440.2	3585.3	107.8	75.5	53.9	43.1	32.3	21.6	10.8	0.0	0.0
75°	2458.5	954.3	80.9	53.9	32.3	27.0	21.6	16.2	5.4	0.0	0.0
77.5°	593.1	248.0	64.7	48.5	27.0	16.2	10.8	5.4	5.4	0.0	0.0
80°	183.3	102.4	48.5	32.3	21.6	16.2	5.4	0.0	0.0	0.0	0.0
82.5°	75.5	48.5	21.6	21.6	16.2	5.4	0.0	0.0	0.0	0.0	0.0
85°	37.7	27.0	16.2	10.8	10.8	5.4	0.0	0.0	0.0	0.0	0.0
87.5°	27.0	10.8	5.4	5.4	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)