

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: P483297

Luminaire Tested: **IFLD-L-SA8C-750-U-T4FT-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483297  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8C-750-U-T4FT-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield  
Light Source: (128) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

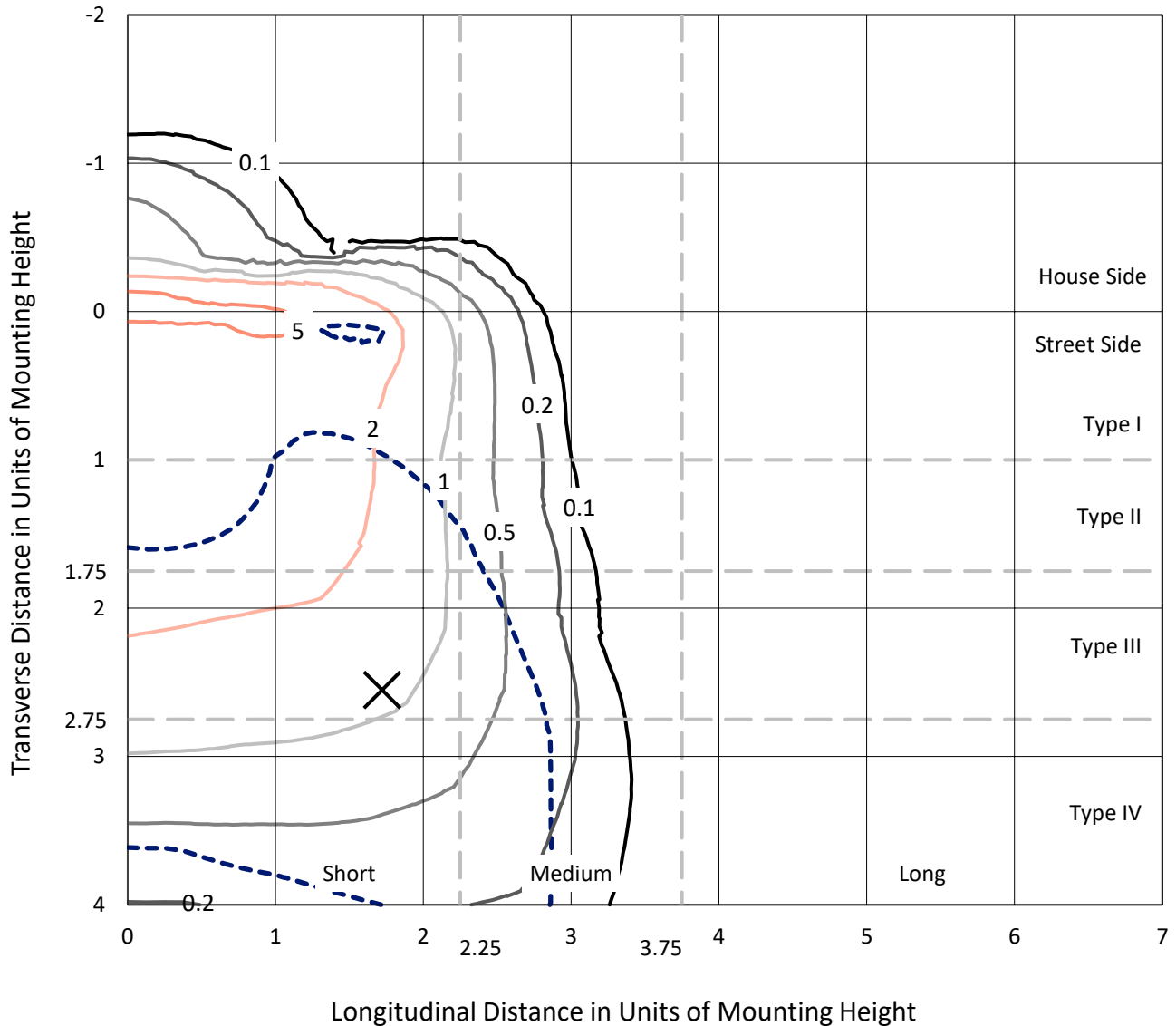
Lumens per Lamp: N/A  
Luminaire Lumens: 37473.4 lumens  
Efficiency: N/A  
Efficacy: 89.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 420.3  
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: P483297  
 CATALOG NUMBER: IFLD-L-SA8C-750-U-T4FT-HSS

### Iso-Footcandle Lines of Horizontal Illumination

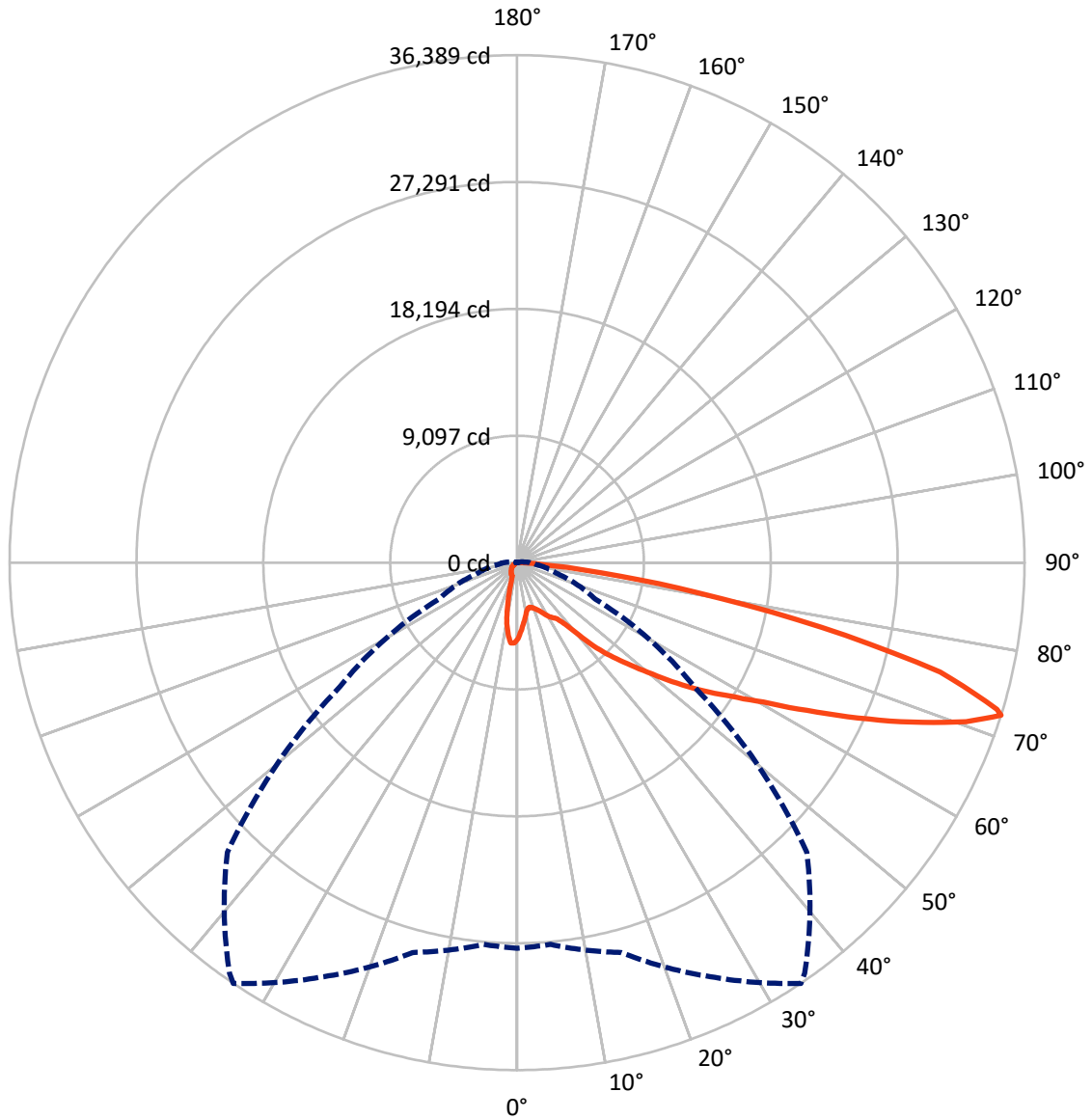
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.1 fc  
 Type IV - Short - N/A

REPORT NUMBER: P483297  
CATALOG NUMBER: IFLD-L-SA8C-750-U-T4FT-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P483297  
 CATALOG NUMBER: IFLD-L-SA8C-750-U-T4FT-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3836.4	0.0	3836.4
	% Fixture	10.2	0.0	10.2
<b>Street Side</b>	Lumens	33637.0	0.0	33637.0
	% Fixture	89.8	0.0	89.8
<b>Total</b>	Lumens	37473.4	0.0	37473.4
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	475.9	1.3
10°-20°	1077.5	2.9
20°-30°	1626.3	4.3
30°-40°	2639.2	7.0
40°-50°	4962.9	13.2
50°-60°	8114.5	21.7
60°-70°	10787.0	28.8
70°-80°	7224.0	19.3
80°-90°	566.1	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°	37473.4	100.0
0°-180°	37473.4	100.0



REPORT NUMBER: P483297

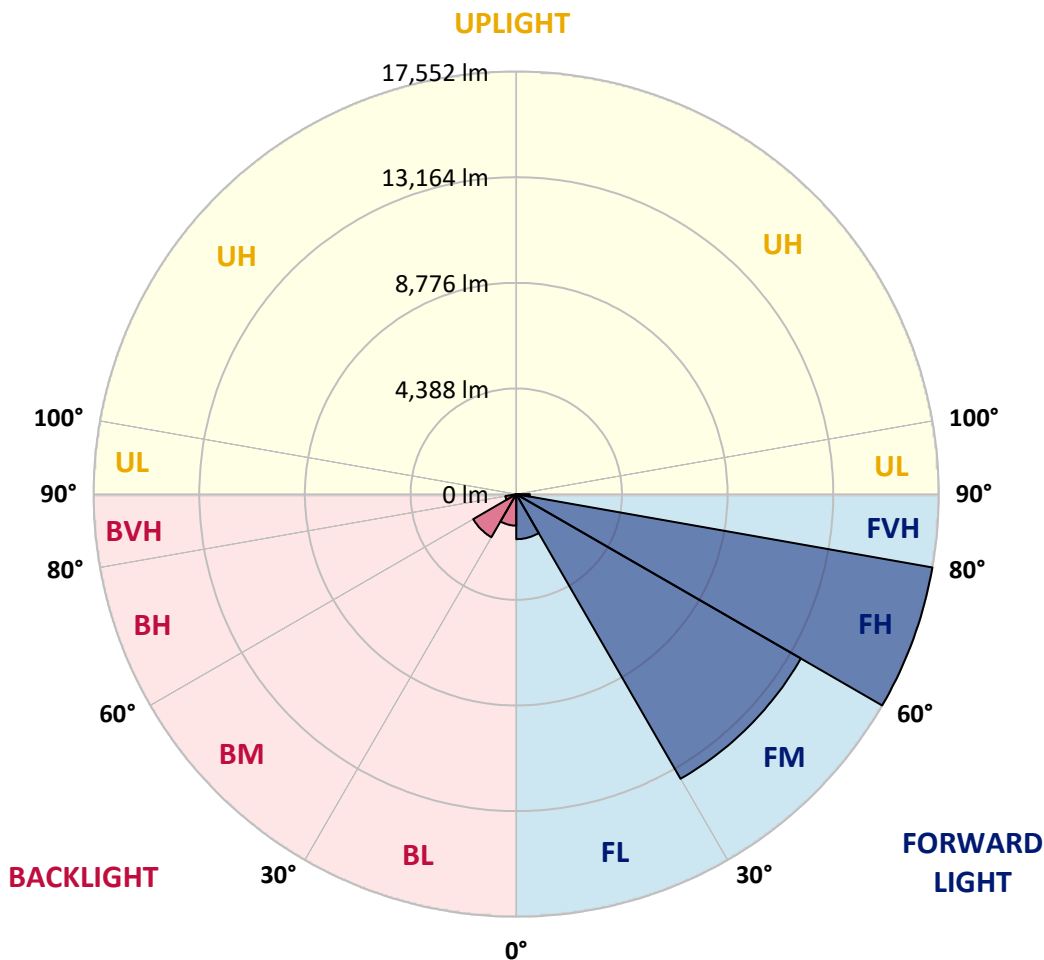
CATALOG NUMBER: IFLD-L-SA8C-750-U-T4FT-HSS

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1870.7	5.0			
FM	(30°-60°)	13651.5	36.4			
FH	(60°-80°)	17552.3	46.8			G5
FVH	(80°-90°)	562.5	1.5			G4/750
BL	(0°-30°)	1309.0	3.5	B3/2500		
BM	(30°-60°)	2065.1	5.5	B2/2500		
BH	(60°-80°)	458.8	1.2	B1/500		G1/500
BVH	(80°-90°)	3.6	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-G5**

Type IV Short





REPORT NUMBER: P483297

CATALOG NUMBER: IFLD-L-SA8C-750-U-T4FT-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	5482.4	5482.4	5482.4	5482.4	5482.4	5482.4	5482.4	5482.4	5482.4	5482.4	5482.4
2.5°	4848.6	4837.7	4870.2	4924.4	4978.6	4956.9	5059.8	5168.2	5244.0	5347.0	5471.6
5°	4236.4	4263.5	4296.0	4404.3	4474.8	4491.0	4680.6	4821.5	5054.4	5292.8	5514.9
7.5°	3678.4	3710.9	3775.9	3895.1	4041.4	4079.3	4268.9	4550.6	4854.0	5168.2	5531.1
10°	3272.1	3304.6	3375.0	3450.9	3645.9	3645.9	3905.9	4296.0	4691.5	5059.8	5536.6
12.5°	3185.4	3201.7	3196.3	3255.8	3380.4	3407.5	3662.2	4090.1	4550.6	5021.9	5623.2
15°	3288.4	3299.2	3245.0	3212.5	3320.9	3347.9	3586.3	3965.5	4458.5	5043.6	5764.1
17.5°	3494.2	3456.3	3347.9	3299.2	3391.3	3407.5	3629.6	3960.1	4447.7	5103.2	5926.6
20°	3613.4	3656.7	3467.1	3375.0	3505.0	3526.7	3765.1	4046.8	4501.8	5206.1	6154.1
22.5°	3824.7	3846.3	3591.7	3532.1	3656.7	3656.7	3927.6	4220.1	4631.9	5374.0	6425.0
25°	4122.6	4095.5	3797.6	3738.0	3857.2	3905.9	4176.8	4496.4	4832.3	5531.1	6674.2
27.5°	4355.6	4371.8	4128.0	3970.9	4171.4	4203.9	4496.4	4794.4	4984.0	5661.2	6977.6
30°	4702.3	4669.8	4409.7	4231.0	4480.2	4485.6	4767.3	5076.1	5276.5	5894.1	7432.6
32.5°	5114.0	5049.0	4751.0	4496.4	4696.9	4745.6	5032.7	5482.4	5731.6	6332.9	8136.9
35°	5986.2	5829.1	5341.5	4946.1	4962.3	4984.0	5428.2	6072.9	6360.0	6890.9	9079.5
37.5°	7259.3	7194.3	6641.7	5888.7	5601.6	5536.6	6035.0	6853.0	7210.5	7627.7	10303.9
40°	8521.5	8429.4	7914.8	7346.0	6825.9	6695.9	6945.1	7887.7	8212.8	8651.6	11560.7
42.5°	9924.6	9762.1	9155.4	8694.9	8369.9	8229.0	8131.5	9187.9	9556.3	9854.2	12790.4
45°	11344.0	11078.5	10200.9	9848.8	9675.4	9599.6	9588.8	10823.9	11046.0	11105.6	14155.6
47.5°	12590.0	12302.9	11506.5	11111.1	10981.0	10959.4	11566.1	12709.2	12535.8	12378.7	15677.9
50°	13548.9	13364.7	12790.4	12649.6	12552.1	12514.2	13933.5	14648.6	13846.8	13570.5	17016.0
52.5°	15033.2	14621.5	13971.4	14020.2	14361.5	14366.9	16333.4	16490.5	14935.7	14388.6	18278.2
55°	16219.6	15948.8	15417.9	15347.4	16246.7	16344.2	18484.1	17888.2	15542.5	15168.7	18744.1
57.5°	17617.3	17492.7	17108.1	17118.9	18061.6	18267.4	20396.4	19069.2	16046.3	15672.5	18814.6
60°	19638.0	19280.5	19080.0	19172.1	20282.7	20483.1	22249.2	19919.7	16290.1	16002.9	18641.2
62.5°	21870.0	21452.8	21236.1	21707.5	23327.2	23359.8	23657.7	20672.7	16138.4	16089.6	17525.2
65°	24557.0	24145.3	23971.9	24920.0	26843.1	26723.9	25635.1	20992.4	15656.2	15217.4	14594.4
67.5°	27233.2	26984.0	26626.4	28137.9	30532.4	30532.4	27688.2	20873.2	14394.0	12216.2	9545.4
70°	28500.9	28674.2	29243.0	31615.8	34156.6	33896.6	29714.3	19502.6	10715.6	6560.5	3754.2
72°	27655.7	27477.0	28945.1	32753.5	36388.6	35960.6	29373.0	15504.5	6192.1	2876.6	1305.6
72.5°	26203.9	26371.8	28392.5	32596.4	35971.4	36323.6	28538.8	14301.9	5092.3	2291.6	986.0
75°	16068.0	16355.1	21192.8	27677.4	31345.0	30949.5	22075.8	6815.1	1955.7	975.1	352.1
77.5°	5867.0	6105.4	10282.2	17416.9	22292.5	22043.3	12774.2	2421.6	1061.8	725.9	178.8
80°	1527.7	1652.3	3494.2	8034.0	13110.1	13126.3	5347.0	969.7	720.5	595.9	108.3
82.5°	303.4	335.9	1072.6	3125.8	6127.1	6045.8	1690.2	520.1	541.7	487.6	75.8
85°	37.9	48.8	227.5	1061.8	1982.8	1776.9	417.1	260.0	400.9	379.2	48.8
87.5°	5.4	5.4	54.2	243.8	417.1	406.3	86.7	81.3	178.8	232.9	27.1
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: P483297

CATALOG NUMBER: IFLD-L-SA8C-750-U-T4FT-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5482.4	5482.4	5482.4	5482.4	5482.4	5482.4	5482.4	5482.4	5482.4	5482.4	5482.4
2.5°	5542.0	5563.7	5639.5	5704.5	5780.3	5802.0	5769.5	5823.7	5747.8	5791.2	5802.0
5°	5552.8	5677.4	5818.3	5910.4	5888.7	5834.5	5791.2	5644.9	5542.0	5504.1	5585.3
7.5°	5628.7	5769.5	5921.2	5921.2	5802.0	5520.3	5249.4	4989.4	4772.7	4664.4	4756.5
10°	5726.2	5872.4	6029.5	5823.7	5379.5	4864.8	4480.2	3992.6	3662.2	3488.8	3505.0
12.5°	5856.2	6062.1	6116.2	5639.5	4902.7	4138.9	3440.0	2762.9	2448.7	2199.5	2204.9
15°	6024.1	6224.6	6062.1	5238.6	4296.0	3169.2	2329.5	1684.8	1435.6	1305.6	1305.6
17.5°	6246.2	6397.9	6045.8	4870.2	3478.0	2167.0	1430.2	1137.7	1083.5	1061.8	1061.8
20°	6506.3	6620.0	5888.7	4296.0	2584.1	1392.3	1051.0	1018.5	1023.9	1013.1	1013.1
22.5°	6798.8	6836.7	5709.9	3629.6	1749.8	1029.3	980.5	986.0	991.4	980.5	986.0
25°	7107.6	7004.7	5449.9	2849.5	1164.7	937.2	948.0	958.9	964.3	969.7	969.7
27.5°	7454.3	7248.5	5086.9	2085.7	910.1	883.0	915.5	948.0	953.5	953.5	948.0
30°	7963.6	7622.3	4734.8	1413.9	801.8	823.4	877.6	915.5	942.6	942.6	937.2
32.5°	8608.2	8012.3	4241.8	964.3	742.2	753.0	796.4	872.2	931.8	937.2	921.0
35°	9502.1	8483.6	3727.2	769.3	698.8	704.3	731.3	790.9	893.9	926.4	921.0
37.5°	10444.7	9019.9	3087.9	693.4	666.3	660.9	677.2	725.9	818.0	899.3	904.7
40°	11446.9	9583.4	2416.2	655.5	639.3	628.4	633.8	655.5	725.9	828.9	850.5
42.5°	12389.6	10092.6	1814.8	617.6	612.2	601.3	601.3	606.7	644.7	715.1	725.9
45°	13408.0	10509.7	1381.4	590.5	574.2	579.7	558.0	547.2	574.2	579.7	574.2
47.5°	14361.5	10926.9	1105.1	558.0	541.7	541.7	514.7	493.0	493.0	444.2	438.8
50°	15255.3	11154.4	883.0	514.7	509.2	503.8	465.9	428.0	395.5	335.9	325.0
52.5°	15997.5	11143.6	682.6	460.5	476.7	460.5	400.9	346.7	298.0	243.8	232.9
55°	16219.6	10623.5	514.7	379.2	406.3	384.6	319.6	270.9	216.7	173.4	167.9
57.5°	16030.0	9832.5	390.1	292.5	314.2	292.5	243.8	200.4	151.7	119.2	108.3
60°	15396.2	8906.2	303.4	227.5	238.4	222.1	184.2	151.7	108.3	75.8	65.0
62.5°	14193.5	7746.9	232.9	178.8	173.4	173.4	140.9	113.8	75.8	43.3	37.9
65°	11647.4	6040.4	178.8	124.6	124.6	124.6	108.3	81.3	48.8	21.7	10.8
67.5°	7313.5	3515.9	146.3	97.5	92.1	92.1	75.8	54.2	27.1	5.4	0.0
70°	2752.0	1289.3	113.8	75.8	70.4	70.4	54.2	32.5	16.3	0.0	0.0
72°	948.0	493.0	92.1	54.2	54.2	48.8	37.9	27.1	10.8	0.0	0.0
72.5°	780.1	395.5	86.7	54.2	48.8	48.8	37.9	27.1	10.8	0.0	0.0
75°	281.7	162.5	59.6	37.9	32.5	32.5	27.1	16.3	5.4	0.0	0.0
77.5°	140.9	102.9	48.8	32.5	27.1	16.3	16.3	10.8	5.4	0.0	0.0
80°	86.7	65.0	27.1	21.7	16.3	10.8	5.4	5.4	0.0	0.0	0.0
82.5°	59.6	37.9	16.3	16.3	10.8	5.4	0.0	0.0	0.0	0.0	0.0
85°	37.9	16.3	10.8	10.8	5.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	16.3	10.8	5.4	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)