

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: P483179

Luminaire Tested: **IFLD-L-SA8B-730-U-T4FT-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483179  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8B-730-U-T4FT-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT  
distribution lens with House Side Shield  
Light Source: (128) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

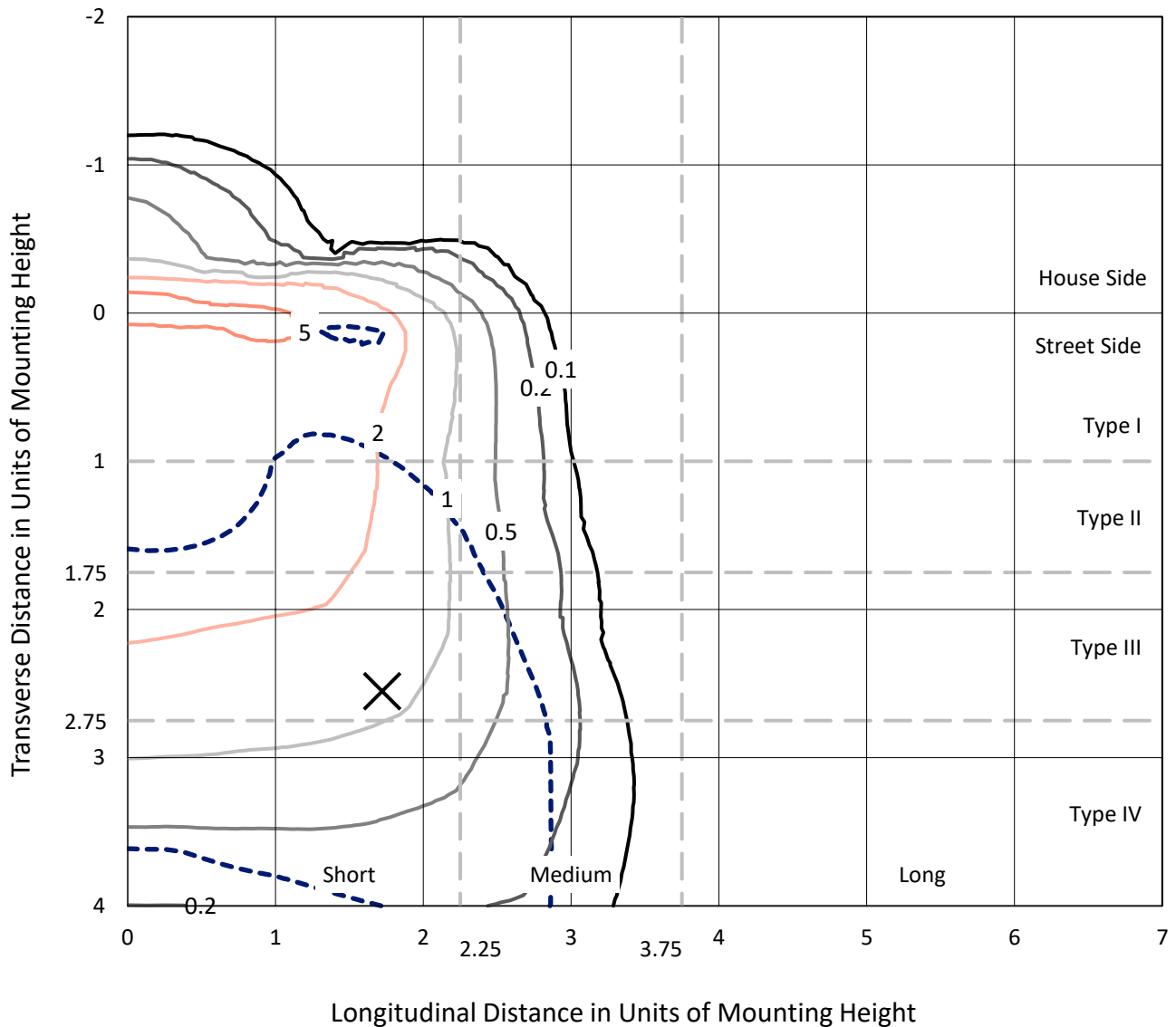
Lumens per Lamp: N/A  
Luminaire Lumens: 26797.8 lumens  
Efficiency: N/A  
Efficacy: 83.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G5

Input Watts (W): 320  
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

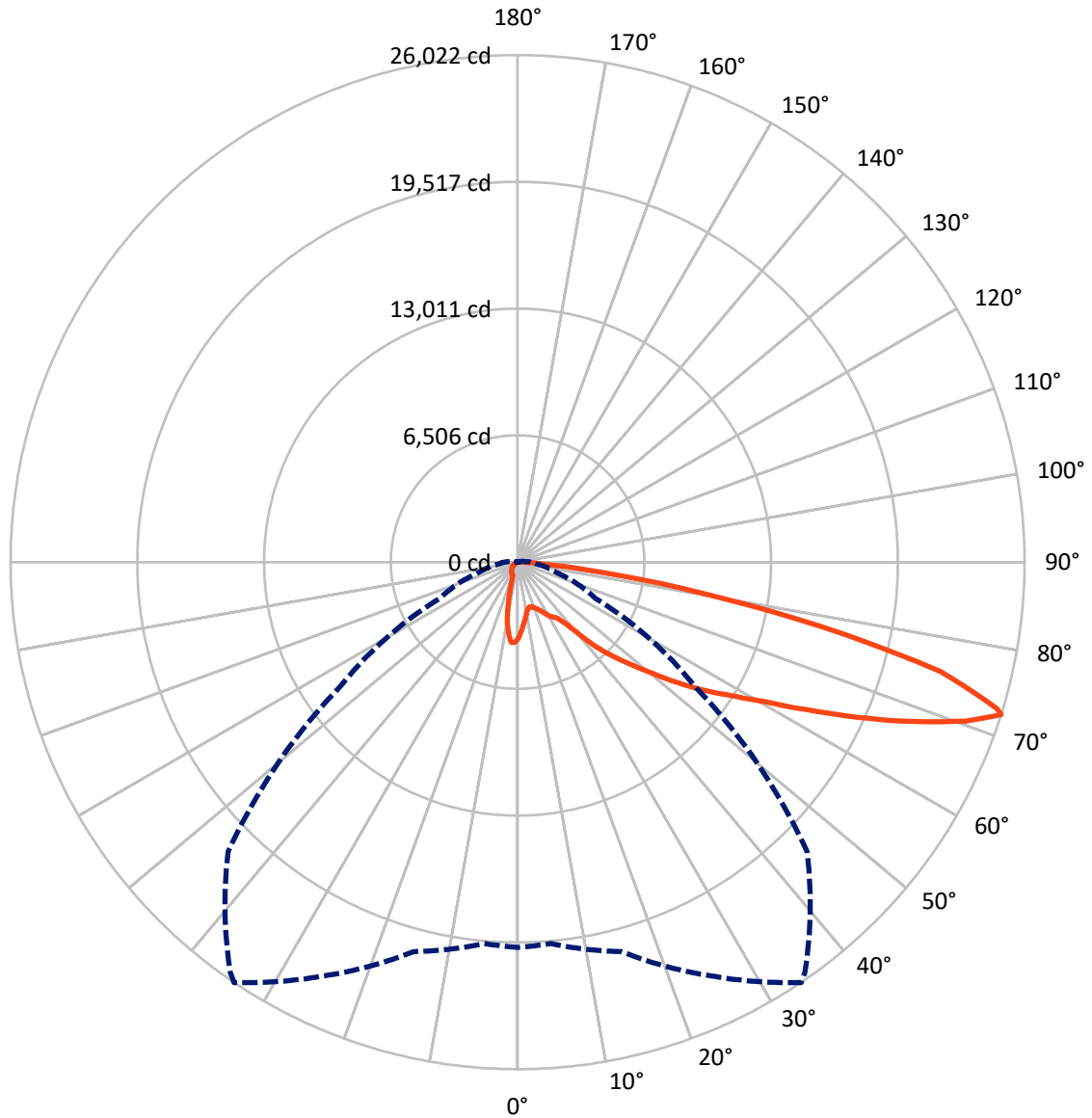
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 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
<b>House Side</b>	Lumens	2743.5	0.0	2743.5
	% Fixture	10.2	0.0	10.2
<b>Street Side</b>	Lumens	24054.3	0.0	24054.3
	% Fixture	89.8	0.0	89.8
<b>Total</b>	Lumens	26797.8	0.0	26797.8
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	340.3	1.3
10°-20°	770.5	2.9
20°-30°	1163.0	4.3
30°-40°	1887.3	7.0
40°-50°	3549.0	13.2
50°-60°	5802.8	21.7
60°-70°	7714.0	28.8
70°-80°	5166.0	19.3
80°-90°	404.8	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°	26797.8	100.0
0°-180°	26797.8	100.0

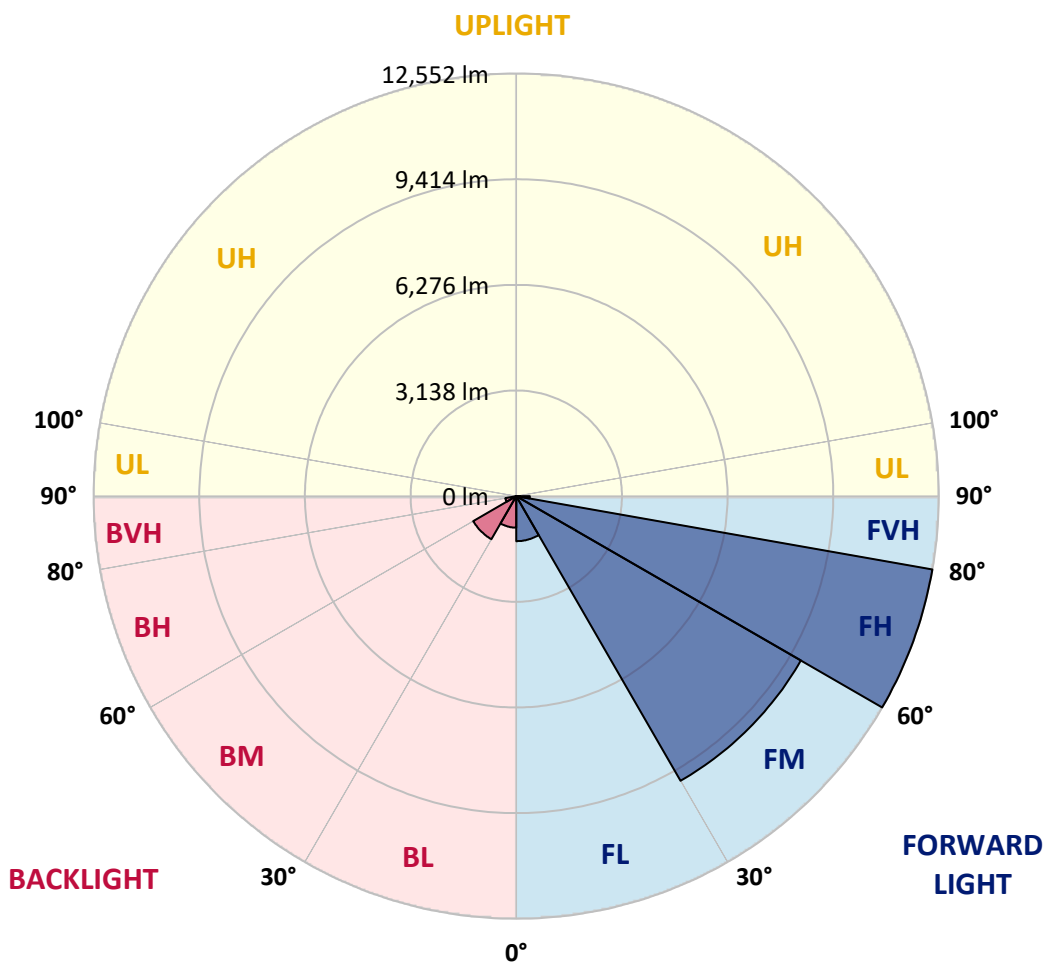


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1337.8	5.0			
FM (30°-60°)	9762.4	36.4			
FH (60°-80°)	12551.9	46.8			G5
FVH (80°-90°)	402.3	1.5			G3/500
BL (0°-30°)	936.1	3.5	B2/1000		
BM (30°-60°)	1476.8	5.5	B2/2500		
BH (60°-80°)	328.1	1.2	B1/500		G1/500
BVH (80°-90°)	2.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: 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°	3920.5	3920.5	3920.5	3920.5	3920.5	3920.5	3920.5	3920.5	3920.5	3920.5	3920.5
2.5°	3467.3	3459.5	3482.8	3521.5	3560.3	3544.8	3618.4	3695.8	3750.1	3823.7	3912.8
5°	3029.5	3048.9	3072.1	3149.6	3200.0	3211.6	3347.2	3447.9	3614.5	3784.9	3943.8
7.5°	2630.5	2653.7	2700.2	2785.4	2890.0	2917.2	3052.8	3254.2	3471.1	3695.8	3955.4
10°	2339.9	2363.2	2413.5	2467.8	2607.2	2607.2	2793.2	3072.1	3354.9	3618.4	3959.3
12.5°	2277.9	2289.6	2285.7	2328.3	2417.4	2436.8	2618.9	2924.9	3254.2	3591.2	4021.3
15°	2351.5	2359.3	2320.6	2297.3	2374.8	2394.2	2564.6	2835.8	3188.3	3606.7	4122.0
17.5°	2498.8	2471.6	2394.2	2359.3	2425.2	2436.8	2595.6	2831.9	3180.6	3649.4	4238.2
20°	2584.0	2615.0	2479.4	2413.5	2506.5	2522.0	2692.5	2893.9	3219.3	3723.0	4400.9
22.5°	2735.1	2750.6	2568.5	2525.9	2615.0	2615.0	2808.7	3017.9	3312.3	3843.1	4594.6
25°	2948.2	2928.8	2715.7	2673.1	2758.3	2793.2	2986.9	3215.5	3455.7	3955.4	4772.8
27.5°	3114.7	3126.4	2952.0	2839.7	2983.0	3006.3	3215.5	3428.5	3564.1	4048.4	4989.8
30°	3362.7	3339.4	3153.5	3025.6	3203.8	3207.7	3409.2	3630.0	3773.3	4215.0	5315.2
32.5°	3657.1	3610.6	3397.5	3215.5	3358.8	3393.7	3599.0	3920.5	4098.7	4528.8	5818.8
35°	4280.8	4168.5	3819.8	3537.0	3548.6	3564.1	3881.8	4342.8	4548.1	4927.8	6492.9
37.5°	5191.2	5144.7	4749.6	4211.1	4005.8	3959.3	4315.7	4900.7	5156.4	5454.7	7368.4
40°	6093.9	6028.0	5660.0	5253.2	4881.3	4788.3	4966.5	5640.6	5873.1	6186.9	8267.2
42.5°	7097.3	6981.0	6547.1	6217.8	5985.4	5884.7	5814.9	6570.4	6833.8	7046.9	9146.6
45°	8112.3	7922.4	7294.8	7043.0	6919.1	6864.8	6857.1	7740.3	7899.2	7941.8	10122.9
47.5°	9003.3	8798.0	8228.5	7945.7	7852.7	7837.2	8271.1	9088.5	8964.5	8852.2	11211.5
50°	9689.0	9557.3	9146.6	9045.9	8976.2	8949.1	9964.1	10475.4	9902.1	9704.5	12168.4
52.5°	10750.5	10456.1	9991.2	10026.0	10270.1	10274.0	11680.3	11792.6	10680.8	10289.5	13071.0
55°	11598.9	11405.2	11025.5	10975.2	11618.3	11688.0	13218.3	12792.1	11114.6	10847.3	13404.2
57.5°	12598.4	12509.3	12234.2	12242.0	12916.1	13063.3	14585.8	13636.7	11474.9	11207.6	13454.6
60°	14043.4	13787.7	13644.4	13710.3	14504.4	14647.8	15910.7	14244.9	11649.3	11443.9	13330.6
62.5°	15639.5	15341.2	15186.3	15523.3	16681.7	16704.9	16918.0	14783.4	11540.8	11505.9	12532.5
65°	17561.1	17266.6	17142.7	17820.6	19195.9	19110.7	18332.0	15011.9	11196.0	10882.2	10436.7
67.5°	19474.8	19296.6	19040.9	20121.8	21834.1	21834.1	19800.3	14926.7	10293.3	8736.0	6826.1
70°	20381.4	20505.3	20912.1	22608.9	24425.9	24239.9	21249.2	13946.6	7662.9	4691.5	2684.7
72°	19777.0	19649.2	20699.0	23422.5	26022.0	25715.9	21005.1	11087.5	4428.0	2057.1	933.6
72.5°	18738.8	18858.9	20303.9	23310.2	25723.7	25975.5	20408.5	10227.5	3641.6	1638.7	705.1
75°	11490.4	11695.8	15155.3	19792.5	22415.2	22132.4	15786.7	4873.6	1398.5	697.3	251.8
77.5°	4195.6	4366.1	7352.9	12455.1	15941.7	15763.5	9135.0	1731.7	759.3	519.1	127.8
80°	1092.5	1181.6	2498.8	5745.2	9375.2	9386.8	3823.7	693.5	515.2	426.1	77.5
82.5°	216.9	240.2	767.1	2235.3	4381.5	4323.4	1208.7	371.9	387.4	348.7	54.2
85°	27.1	34.9	162.7	759.3	1417.9	1270.7	298.3	186.0	286.7	271.2	34.9
87.5°	3.9	3.9	38.7	174.3	298.3	290.6	62.0	58.1	127.8	166.6	19.4
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°	3920.5	3920.5	3920.5	3920.5	3920.5	3920.5	3920.5	3920.5	3920.5	3920.5	3920.5
2.5°	3963.2	3978.6	4032.9	4079.4	4133.6	4149.1	4125.9	4164.6	4110.4	4141.4	4149.1
5°	3970.9	4060.0	4160.7	4226.6	4211.1	4172.4	4141.4	4036.8	3963.2	3936.0	3994.1
7.5°	4025.1	4125.9	4234.3	4234.3	4149.1	3947.7	3754.0	3568.0	3413.0	3335.6	3401.4
10°	4094.9	4199.5	4311.8	4164.6	3846.9	3478.9	3203.8	2855.2	2618.9	2494.9	2506.5
12.5°	4187.8	4335.1	4373.8	4032.9	3506.0	2959.8	2460.0	1975.8	1751.1	1572.9	1576.7
15°	4307.9	4451.3	4335.1	3746.2	3072.1	2266.3	1665.8	1204.8	1026.6	933.6	933.6
17.5°	4466.8	4575.3	4323.4	3482.8	2487.1	1549.6	1022.7	813.6	774.8	759.3	759.3
20°	4652.7	4734.1	4211.1	3072.1	1847.9	995.6	751.6	728.3	732.2	724.4	724.4
22.5°	4861.9	4889.0	4083.2	2595.6	1251.3	736.1	701.2	705.1	709.0	701.2	705.1
25°	5082.8	5009.1	3897.3	2037.7	832.9	670.2	678.0	685.7	689.6	693.5	693.5
27.5°	5330.7	5183.5	3637.7	1491.5	650.8	631.5	654.7	678.0	681.8	681.8	678.0
30°	5694.9	5450.8	3385.9	1011.1	573.4	588.9	627.6	654.7	674.1	674.1	670.2
32.5°	6155.9	5729.7	3033.4	689.6	530.7	538.5	569.5	623.7	666.3	670.2	658.6
35°	6795.1	6066.8	2665.3	550.1	499.8	503.6	523.0	565.6	639.2	662.5	658.6
37.5°	7469.2	6450.3	2208.2	495.9	476.5	472.6	484.3	519.1	585.0	643.1	647.0
40°	8185.9	6853.2	1727.8	468.8	457.1	449.4	453.3	468.8	519.1	592.7	608.2
42.5°	8859.9	7217.4	1297.8	441.6	437.8	430.0	430.0	433.9	461.0	511.4	519.1
45°	9588.3	7515.7	987.9	422.3	410.6	414.5	399.0	391.3	410.6	414.5	410.6
47.5°	10270.1	7814.0	790.3	399.0	387.4	387.4	368.0	352.5	352.5	317.7	313.8
50°	10909.3	7976.7	631.5	368.0	364.2	360.3	333.2	306.0	282.8	240.2	232.4
52.5°	11440.1	7968.9	488.1	329.3	340.9	329.3	286.7	247.9	213.1	174.3	166.6
55°	11598.9	7597.0	368.0	271.2	290.6	275.1	228.6	193.7	155.0	124.0	120.1
57.5°	11463.3	7031.4	278.9	209.2	224.7	209.2	174.3	143.3	108.5	85.2	77.5
60°	11010.0	6368.9	216.9	162.7	170.5	158.8	131.7	108.5	77.5	54.2	46.5
62.5°	10150.0	5539.9	166.6	127.8	124.0	124.0	100.7	81.4	54.2	31.0	27.1
65°	8329.2	4319.6	127.8	89.1	89.1	89.1	77.5	58.1	34.9	15.5	7.7
67.5°	5230.0	2514.3	104.6	69.7	65.9	65.9	54.2	38.7	19.4	3.9	0.0
70°	1968.0	922.0	81.4	54.2	50.4	50.4	38.7	23.2	11.6	0.0	0.0
72°	678.0	352.5	65.9	38.7	38.7	34.9	27.1	19.4	7.7	0.0	0.0
72.5°	557.9	282.8	62.0	38.7	34.9	34.9	27.1	19.4	7.7	0.0	0.0
75°	201.5	116.2	42.6	27.1	23.2	23.2	19.4	11.6	3.9	0.0	0.0
77.5°	100.7	73.6	34.9	23.2	19.4	11.6	11.6	7.7	3.9	0.0	0.0
80°	62.0	46.5	19.4	15.5	11.6	7.7	3.9	3.9	0.0	0.0	0.0
82.5°	42.6	27.1	11.6	11.6	7.7	3.9	0.0	0.0	0.0	0.0	0.0
85°	27.1	11.6	7.7	7.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.6	7.7	3.9	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)