

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: P483101

Luminaire Tested: **IFLD-L-SA8B-722-U-T4FT-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P483101  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA8B-722-U-T4FT-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT  
distribution lens with House Side Shield  
Light Source: (128) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

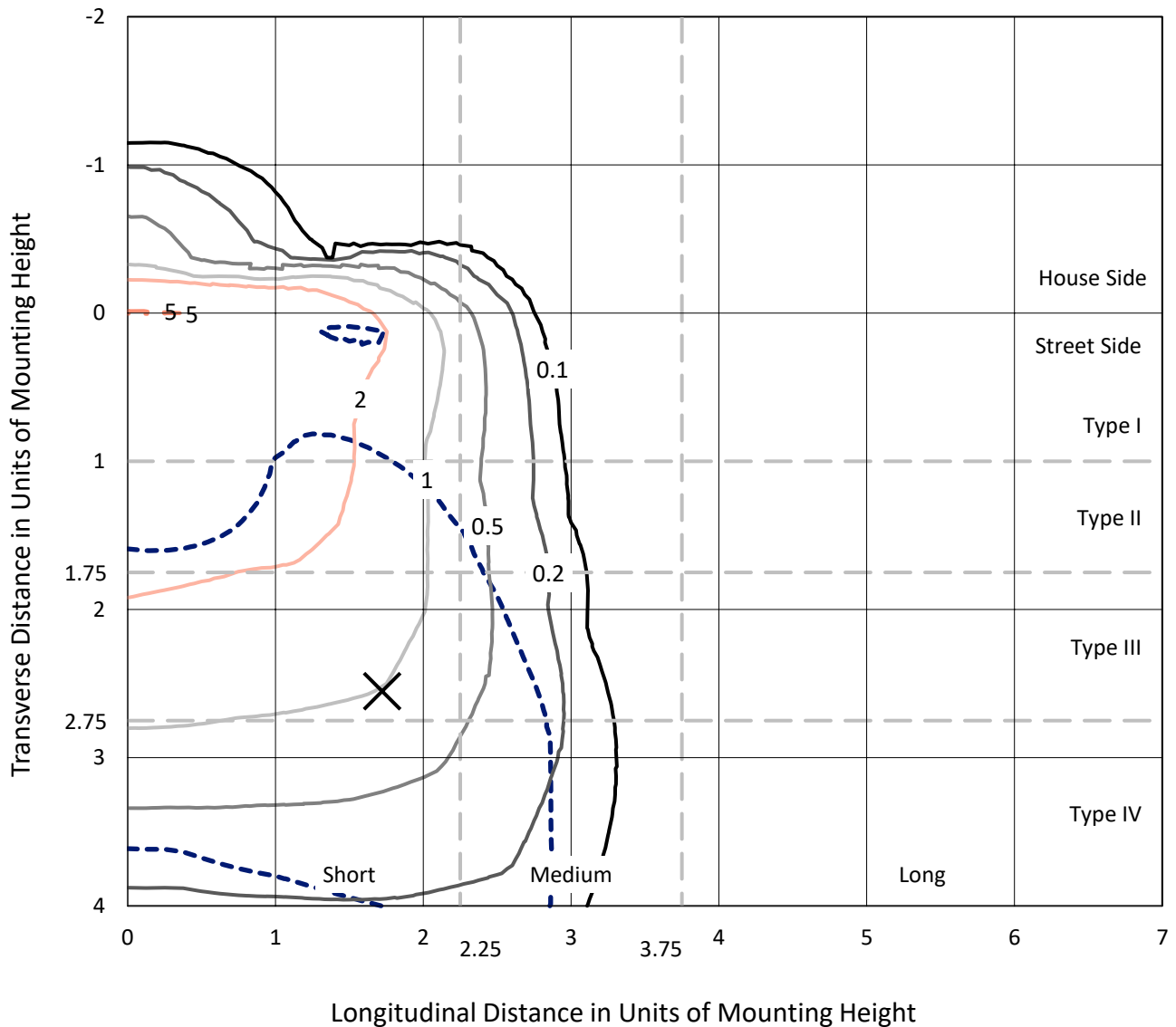
Lumens per Lamp: N/A  
Luminaire Lumens: 21677.2 lumens  
Efficiency: N/A  
Efficacy: 67.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 320  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

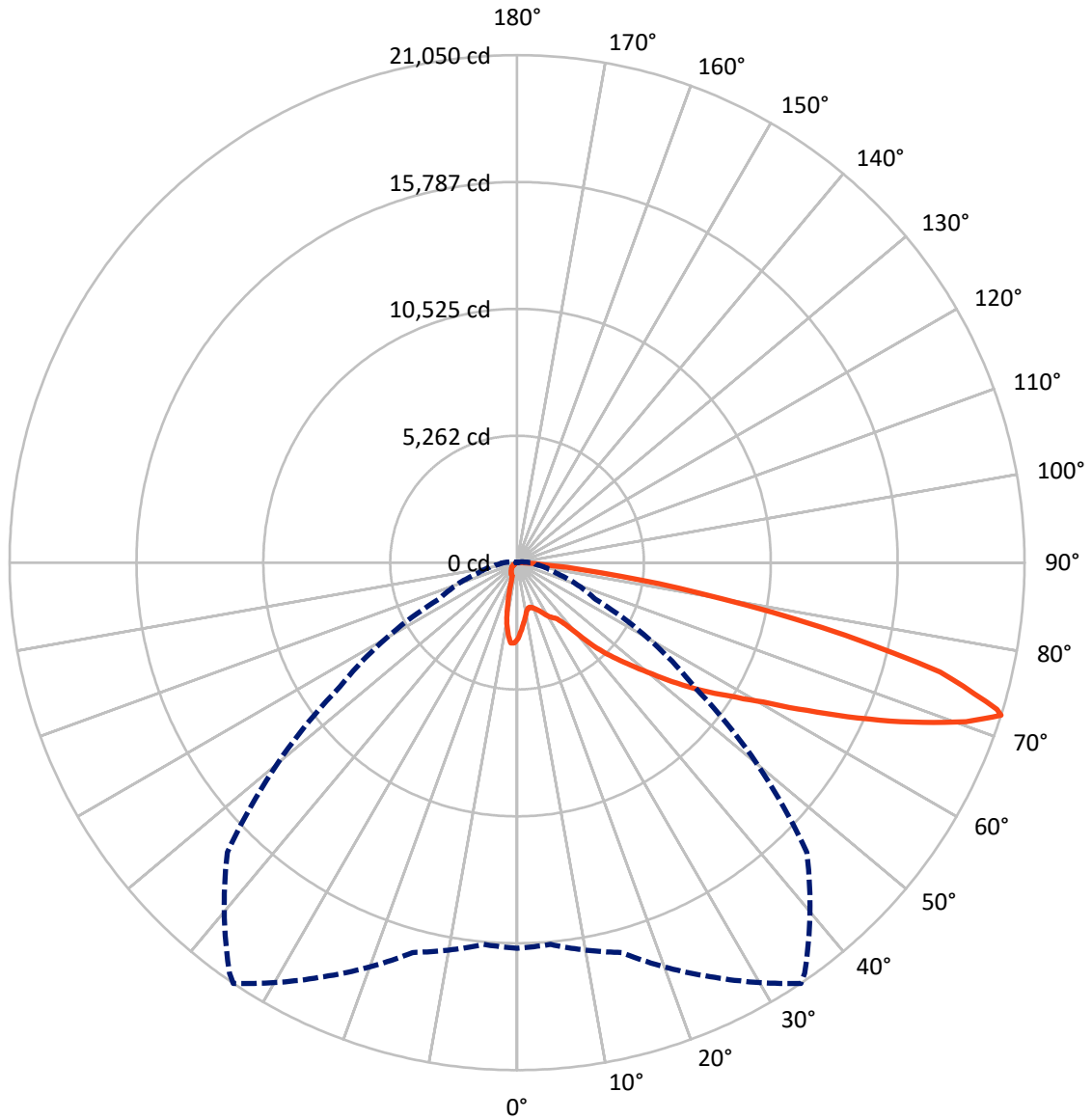
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 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	2219.2	0.0	2219.2
	% Fixture	10.2	0.0	10.2
<b>Street Side</b>	Lumens	19458.0	0.0	19458.0
	% Fixture	89.8	0.0	89.8
<b>Total</b>	Lumens	21677.2	0.0	21677.2
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	275.3	1.3
10°-20°	623.3	2.9
20°-30°	940.8	4.3
30°-40°	1526.7	7.0
40°-50°	2870.9	13.2
50°-60°	4694.0	21.7
60°-70°	6240.0	28.8
70°-80°	4178.8	19.3
80°-90°	327.5	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°	21677.2	100.0
0°-180°	21677.2	100.0

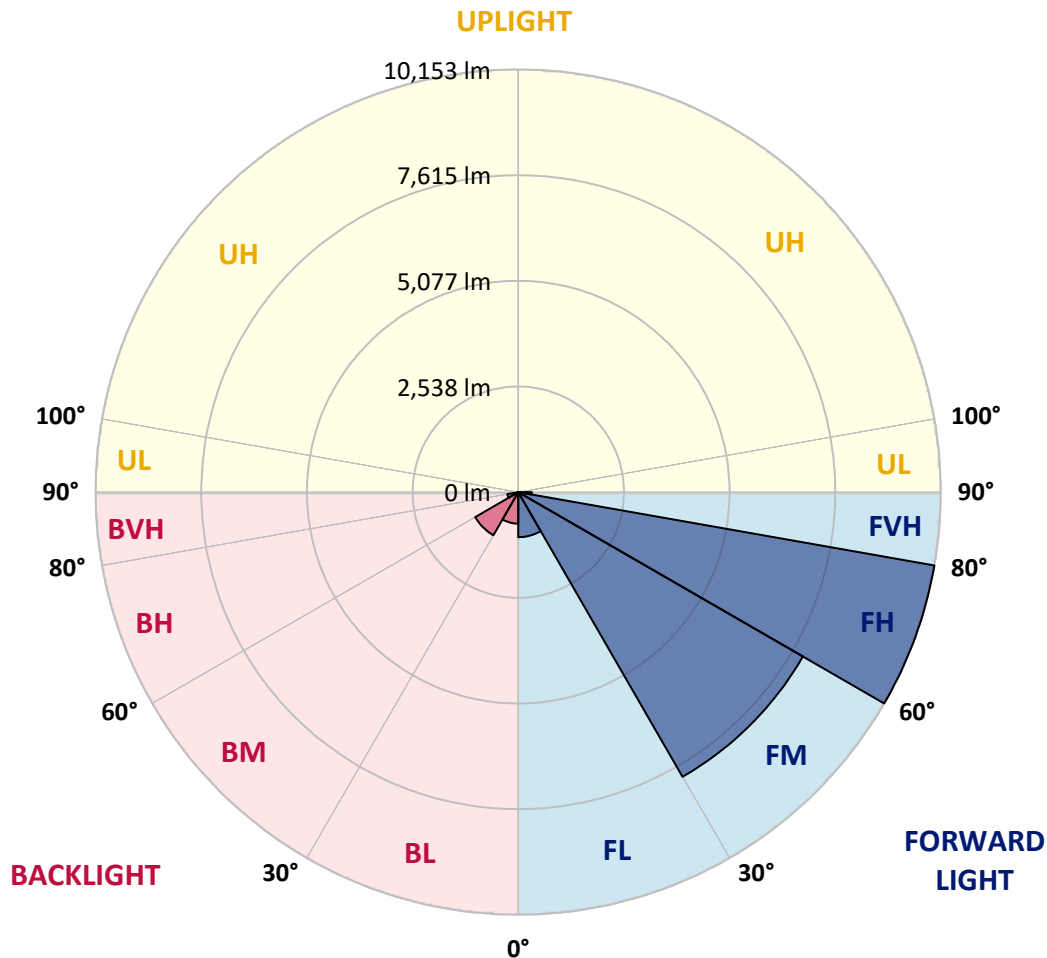


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1082.2	5.0			
FM (30°-60°)	7897.0	36.4			
FH (60°-80°)	10153.4	46.8			G4/12000
FVH (80°-90°)	325.4	1.5			G3/500
BL (0°-30°)	757.2	3.5	B2/1000		
BM (30°-60°)	1194.6	5.5	B2/2500		
BH (60°-80°)	265.4	1.2	B1/500		G1/500
BVH (80°-90°)	2.1	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-G4**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	3171.4	3171.4	3171.4	3171.4	3171.4	3171.4	3171.4	3171.4	3171.4	3171.4	3171.4
2.5°	2804.7	2798.5	2817.3	2848.6	2879.9	2867.4	2927.0	2989.6	3033.5	3093.0	3165.1
5°	2450.6	2466.3	2485.1	2547.8	2588.5	2597.9	2707.6	2789.1	2923.8	3061.7	3190.2
7.5°	2127.8	2146.6	2184.2	2253.2	2337.8	2359.7	2469.4	2632.4	2807.9	2989.6	3199.6
10°	1892.8	1911.6	1952.3	1996.2	2109.0	2109.0	2259.5	2485.1	2713.9	2927.0	3202.7
12.5°	1842.7	1852.1	1848.9	1883.4	1955.5	1971.2	2118.4	2366.0	2632.4	2905.0	3252.9
15°	1902.2	1908.5	1877.1	1858.3	1921.0	1936.7	2074.6	2293.9	2579.1	2917.6	3334.3
17.5°	2021.3	1999.4	1936.7	1908.5	1961.7	1971.2	2099.6	2290.8	2572.8	2952.0	3428.4
20°	2090.2	2115.3	2005.6	1952.3	2027.6	2040.1	2178.0	2340.9	2604.2	3011.6	3560.0
22.5°	2212.5	2225.0	2077.7	2043.2	2115.3	2115.3	2272.0	2441.2	2679.4	3108.7	3716.7
25°	2384.8	2369.1	2196.8	2162.3	2231.3	2259.5	2416.1	2601.0	2795.3	3199.6	3860.8
27.5°	2519.6	2529.0	2387.9	2297.1	2413.0	2431.8	2601.0	2773.4	2883.1	3274.8	4036.3
30°	2720.1	2701.3	2550.9	2447.5	2591.6	2594.8	2757.7	2936.4	3052.3	3409.6	4299.6
32.5°	2958.3	2920.7	2748.3	2601.0	2717.0	2745.2	2911.3	3171.4	3315.5	3663.4	4706.9
35°	3462.8	3372.0	3089.9	2861.1	2870.5	2883.1	3140.1	3513.0	3679.1	3986.2	5252.2
37.5°	4199.3	4161.7	3842.0	3406.4	3240.3	3202.7	3491.0	3964.2	4171.1	4412.4	5960.5
40°	4929.4	4876.2	4578.5	4249.4	3948.6	3873.4	4017.5	4562.8	4750.8	5004.7	6687.5
42.5°	5741.1	5647.1	5296.1	5029.7	4841.7	4760.2	4703.8	5314.9	5528.0	5700.4	7398.9
45°	6562.1	6408.6	5900.9	5697.2	5596.9	5553.1	5546.8	6261.3	6389.8	6424.3	8188.6
47.5°	7282.9	7116.8	6656.2	6427.4	6352.2	6339.6	6690.6	7351.9	7251.6	7160.7	9069.2
50°	7837.6	7731.0	7398.9	7317.4	7261.0	7239.0	8060.1	8473.8	8010.0	7850.1	9843.2
52.5°	8696.3	8458.1	8082.0	8110.2	8307.7	8310.8	9448.4	9539.2	8639.8	8323.3	10573.4
55°	9382.6	9225.9	8918.8	8878.0	9398.2	9454.6	10692.5	10347.8	8990.8	8774.6	10842.9
57.5°	10191.1	10119.0	9896.5	9902.8	10448.0	10567.1	11798.7	11030.9	9282.3	9066.0	10883.6
60°	11360.0	11153.1	11037.2	11090.5	11732.9	11848.8	12870.5	11522.9	9423.3	9257.2	10783.4
62.5°	12651.1	12409.8	12284.4	12557.1	13494.1	13512.9	13685.2	11958.5	9335.5	9307.3	10137.8
65°	14205.4	13967.3	13867.0	14415.4	15527.9	15459.0	14829.1	12143.4	9056.6	8802.8	8442.4
67.5°	15753.5	15609.4	15402.6	16276.9	17662.0	17662.0	16016.8	12074.5	8326.5	7066.7	5521.7
70°	16486.8	16587.1	16916.2	18288.8	19758.5	19608.1	17188.8	11281.6	6198.6	3795.0	2171.7
72°	15998.0	15894.6	16743.8	18946.9	21049.6	20802.1	16991.4	8968.9	3581.9	1664.0	755.2
72.5°	15158.1	15255.3	16424.2	18856.0	20808.3	21012.0	16508.8	8273.2	2945.8	1325.6	570.3
75°	9294.8	9460.9	12259.4	16010.5	18132.1	17903.3	12770.2	3942.3	1131.3	564.1	203.7
77.5°	3393.9	3531.8	5947.9	10075.1	12895.5	12751.4	7389.5	1400.8	614.2	419.9	103.4
80°	883.7	955.8	2021.3	4647.4	7583.8	7593.2	3093.0	560.9	416.8	344.7	62.7
82.5°	175.5	194.3	620.5	1808.2	3544.3	3497.3	977.7	300.8	313.4	282.0	43.9
85°	21.9	28.2	131.6	614.2	1147.0	1027.9	241.3	150.4	231.9	219.4	28.2
87.5°	3.1	3.1	31.3	141.0	241.3	235.0	50.1	47.0	103.4	134.8	15.7
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°	3171.4	3171.4	3171.4	3171.4	3171.4	3171.4	3171.4	3171.4	3171.4	3171.4	3171.4
2.5°	3205.9	3218.4	3262.3	3299.9	3343.7	3356.3	3337.5	3368.8	3324.9	3350.0	3356.3
5°	3212.1	3284.2	3365.7	3419.0	3406.4	3375.1	3350.0	3265.4	3205.9	3183.9	3230.9
7.5°	3256.0	3337.5	3425.2	3425.2	3356.3	3193.3	3036.6	2886.2	2760.9	2698.2	2751.5
10°	3312.4	3397.0	3487.9	3368.8	3111.8	2814.1	2591.6	2309.6	2118.4	2018.2	2027.6
12.5°	3387.6	3506.7	3538.0	3262.3	2836.1	2394.2	1990.0	1598.2	1416.5	1272.3	1275.5
15°	3484.8	3600.7	3506.7	3030.4	2485.1	1833.3	1347.5	974.6	830.5	755.2	755.2
17.5°	3613.3	3701.0	3497.3	2817.3	2011.9	1253.5	827.3	658.1	626.8	614.2	614.2
20°	3763.7	3829.5	3406.4	2485.1	1494.8	805.4	608.0	589.2	592.3	586.0	586.0
22.5°	3932.9	3954.8	3303.0	2099.6	1012.2	595.4	567.2	570.3	573.5	567.2	570.3
25°	4111.5	4052.0	3152.6	1648.4	673.8	542.1	548.4	554.7	557.8	560.9	560.9
27.5°	4312.1	4193.0	2942.6	1206.5	526.5	510.8	529.6	548.4	551.5	551.5	548.4
30°	4606.7	4409.2	2738.9	817.9	463.8	476.3	507.7	529.6	545.3	545.3	542.1
32.5°	4979.6	4634.9	2453.8	557.8	429.3	435.6	460.7	504.5	539.0	542.1	532.7
35°	5496.7	4907.5	2156.0	445.0	404.3	407.4	423.1	457.5	517.1	535.9	532.7
37.5°	6041.9	5217.8	1786.3	401.1	385.5	382.3	391.7	419.9	473.2	520.2	523.3
40°	6621.7	5543.7	1397.7	379.2	369.8	363.5	366.7	379.2	419.9	479.5	492.0
42.5°	7167.0	5838.2	1049.8	357.3	354.1	347.9	347.9	351.0	372.9	413.7	419.9
45°	7756.1	6079.5	799.1	341.6	332.2	335.3	322.8	316.5	332.2	335.3	332.2
47.5°	8307.7	6320.8	639.3	322.8	313.4	313.4	297.7	285.2	285.2	257.0	253.8
50°	8824.7	6452.5	510.8	297.7	294.6	291.4	269.5	247.6	228.8	194.3	188.0
52.5°	9254.1	6446.2	394.9	266.4	275.8	266.4	231.9	200.6	172.4	141.0	134.8
55°	9382.6	6145.4	297.7	219.4	235.0	222.5	184.9	156.7	125.4	100.3	97.1
57.5°	9272.9	5687.8	225.6	169.2	181.8	169.2	141.0	116.0	87.7	68.9	62.7
60°	8906.2	5151.9	175.5	131.6	137.9	128.5	106.5	87.7	62.7	43.9	37.6
62.5°	8210.5	4481.3	134.8	103.4	100.3	100.3	81.5	65.8	43.9	25.1	21.9
65°	6737.6	3494.2	103.4	72.1	72.1	72.1	62.7	47.0	28.2	12.5	6.3
67.5°	4230.6	2033.8	84.6	56.4	53.3	53.3	43.9	31.3	15.7	3.1	0.0
70°	1592.0	745.8	65.8	43.9	40.7	40.7	31.3	18.8	9.4	0.0	0.0
72°	548.4	285.2	53.3	31.3	31.3	28.2	21.9	15.7	6.3	0.0	0.0
72.5°	451.3	228.8	50.1	31.3	28.2	28.2	21.9	15.7	6.3	0.0	0.0
75°	163.0	94.0	34.5	21.9	18.8	18.8	15.7	9.4	3.1	0.0	0.0
77.5°	81.5	59.5	28.2	18.8	15.7	9.4	9.4	6.3	3.1	0.0	0.0
80°	50.1	37.6	15.7	12.5	9.4	6.3	3.1	3.1	0.0	0.0	0.0
82.5°	34.5	21.9	9.4	9.4	6.3	3.1	0.0	0.0	0.0	0.0	0.0
85°	21.9	9.4	6.3	6.3	3.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.4	6.3	3.1	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)