

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: P483491

Luminaire Tested: **IFLD-L-SA8B-722-U-T4W-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483491  
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-T4W-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens with House Side Shield  
Light Source: (128) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

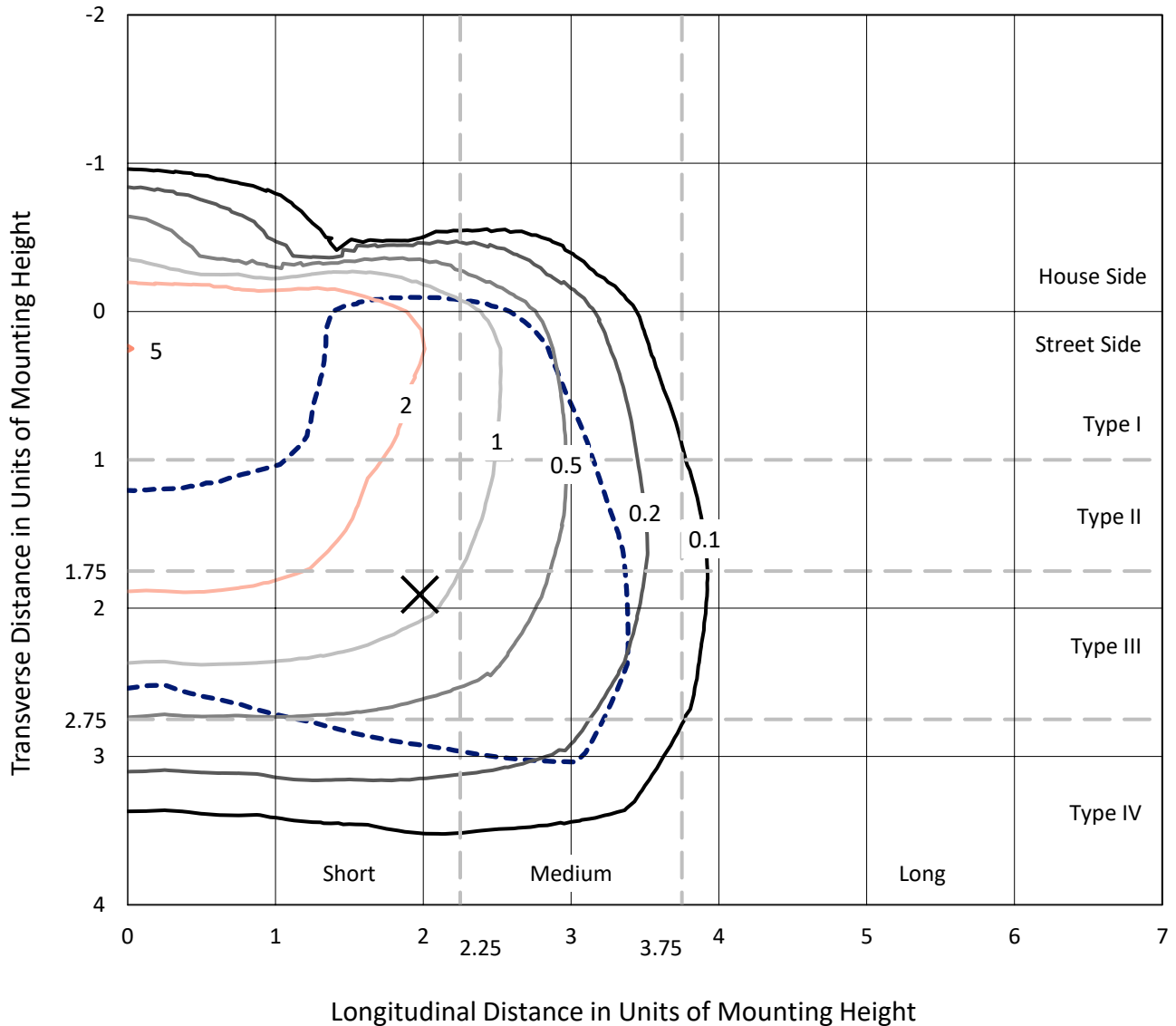
Lumens per Lamp: N/A  
Luminaire Lumens: 22119.3 lumens  
Efficiency: N/A  
Efficacy: 69.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 320  
Input Voltage (V): 120  
Input Current (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: P483491  
 CATALOG NUMBER: IFLD-L-SA8B-722-U-T4W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

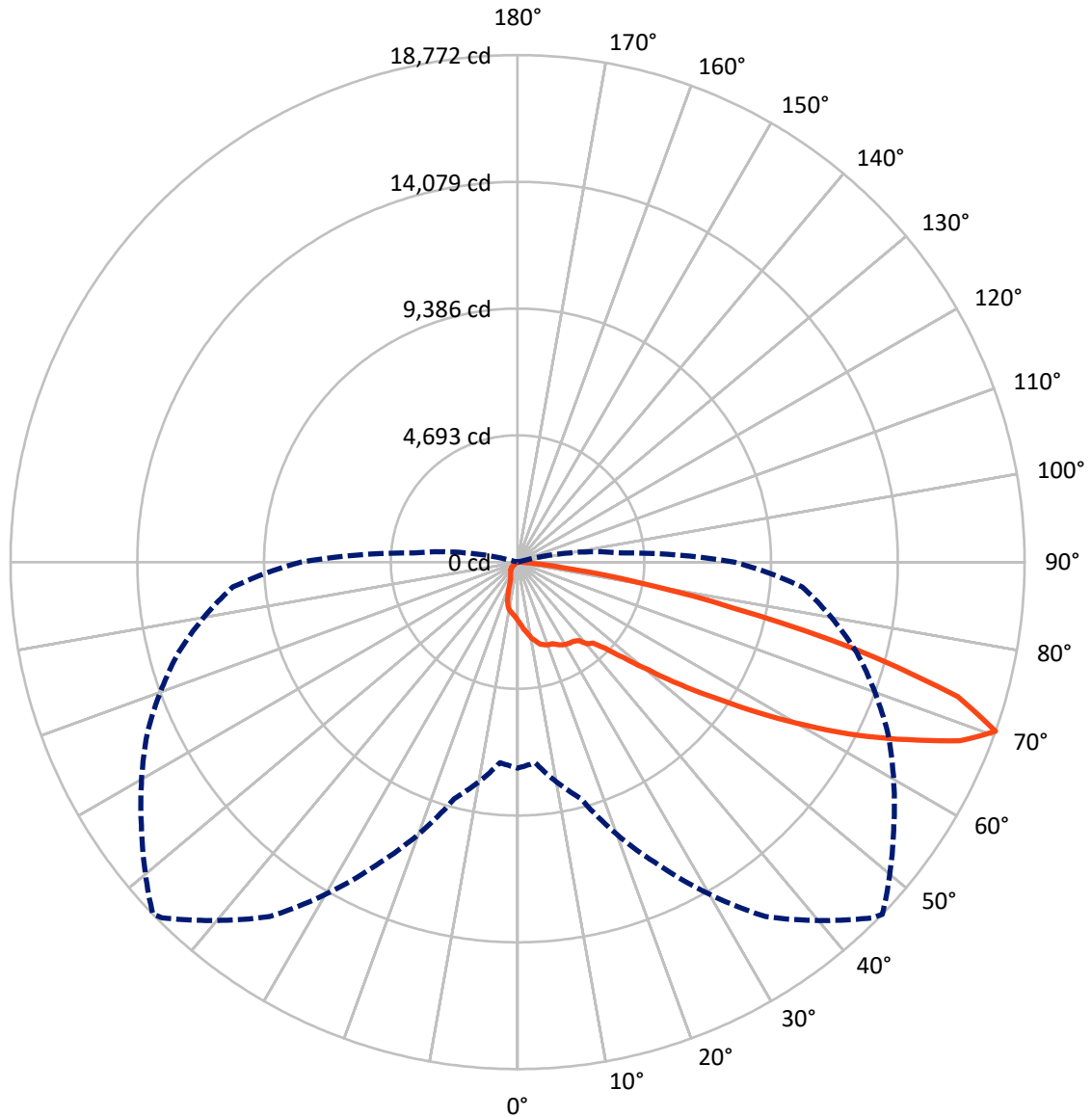
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc  
 Type IV - Short - N/A

REPORT NUMBER: P483491  
CATALOG NUMBER: IFLD-L-SA8B-722-U-T4W-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P483491  
 CATALOG NUMBER: IFLD-L-SA8B-722-U-T4W-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2200.9	0.0	2200.9
	% Fixture	10.0	0.0	10.0
<b>Street Side</b>	Lumens	19918.4	0.0	19918.4
	% Fixture	90.0	0.0	90.0
<b>Total</b>	Lumens	22119.3	0.0	22119.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	216.5	1.0
10°-20°	653.9	3.0
20°-30°	1047.3	4.7
30°-40°	1494.9	6.8
40°-50°	2581.4	11.7
50°-60°	4942.2	22.3
60°-70°	7318.7	33.1
70°-80°	3624.9	16.4
80°-90°	239.5	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°	22119.3	100.0
0°-180°	22119.3	100.0

**Coefficient of Utilization**



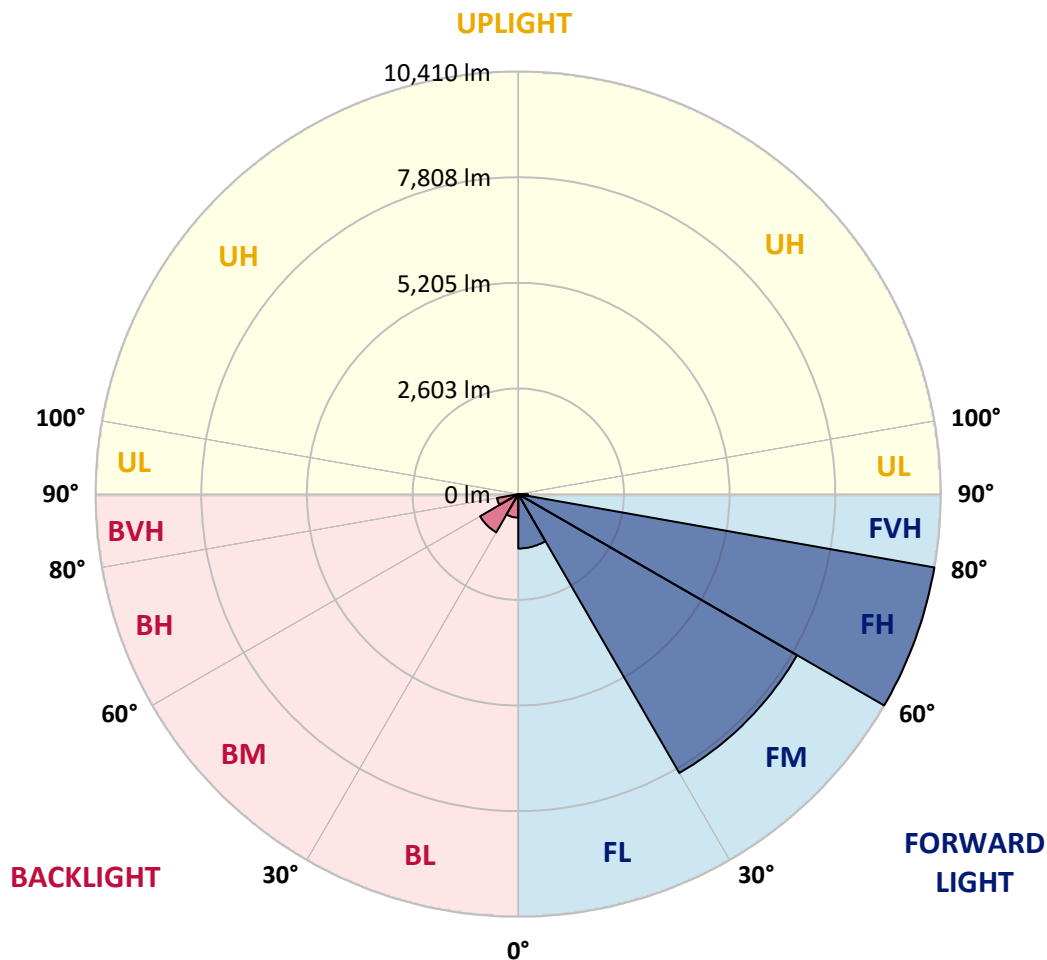
REPORT NUMBER: P483491  
 CATALOG NUMBER: IFLD-L-SA8B-722-U-T4W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1339.5	6.1			
FM (30°-60°)	7931.9	35.9			
FH (60°-80°)	10410.5	47.1			G4/12000
FVH (80°-90°)	236.5	1.1			G3/500
BL (0°-30°)	578.2	2.6	B2/1000		
BM (30°-60°)	1086.6	4.9	B2/2500		
BH (60°-80°)	533.1	2.4	B2/1000		G2/1000
BVH (80°-90°)	3.1	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





REPORT NUMBER: P483491

CATALOG NUMBER: IFLD-L-SA8B-722-U-T4W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2171.4	2171.4	2171.4	2171.4	2171.4	2171.4	2171.4	2171.4	2171.4	2171.4	2171.4
2.5°	2423.0	2407.0	2381.6	2372.0	2346.5	2333.8	2314.7	2305.2	2270.1	2235.1	2212.8
5°	2719.1	2680.9	2693.6	2655.4	2572.6	2505.7	2502.6	2429.3	2349.7	2286.0	2200.1
7.5°	3018.3	2986.5	2938.8	2884.6	2792.3	2693.6	2664.9	2594.9	2483.5	2372.0	2257.4
10°	3244.4	3222.1	3180.7	3104.3	2977.0	2865.5	2868.7	2750.9	2633.1	2505.7	2349.7
12.5°	3384.5	3394.1	3333.6	3257.1	3145.7	3005.6	3002.4	2922.8	2789.1	2655.4	2470.7
15°	3524.6	3559.6	3467.3	3378.1	3234.9	3133.0	3152.1	3056.6	2926.0	2773.2	2569.4
17.5°	3546.9	3556.4	3537.3	3406.8	3301.7	3215.8	3218.9	3155.3	3056.6	2891.0	2715.9
20°	3508.7	3502.3	3480.0	3384.5	3314.5	3263.5	3266.7	3250.8	3196.6	3062.9	2824.1
22.5°	3397.2	3397.2	3368.6	3304.9	3273.1	3320.8	3282.6	3343.1	3285.8	3206.2	3008.8
25°	3308.1	3343.1	3327.2	3285.8	3298.5	3362.2	3381.3	3438.6	3429.1	3330.4	3136.2
27.5°	3403.6	3362.2	3371.8	3324.0	3371.8	3467.3	3476.8	3518.2	3515.0	3435.4	3250.8
30°	3467.3	3505.5	3432.3	3327.2	3378.1	3540.5	3534.1	3588.3	3613.7	3518.2	3359.0
32.5°	3671.1	3639.2	3578.7	3438.6	3445.0	3537.3	3566.0	3636.0	3651.9	3594.6	3464.1
35°	4088.1	4040.4	3776.1	3566.0	3534.1	3578.7	3597.8	3734.7	3763.4	3699.7	3575.5
37.5°	4731.3	4623.0	4304.6	3839.8	3696.5	3687.0	3687.0	3868.5	3976.7	3830.2	3741.1
40°	5651.4	5498.6	5154.8	4346.0	3909.8	3948.1	3986.3	4085.0	4072.2	3976.7	3957.6
42.5°	6823.1	6705.3	6332.8	5196.1	4317.4	4126.4	4094.5	4228.2	4428.8	4390.6	4377.9
45°	7800.6	7807.0	7568.2	6361.5	5021.0	4537.1	4559.4	4661.2	4998.7	4970.1	4966.9
47.5°	8513.8	8424.6	8389.6	7485.4	6046.2	5317.1	5285.3	5355.3	5794.7	5976.2	6059.0
50°	9163.3	9102.8	9020.0	8577.5	7278.4	6294.6	6262.8	6269.1	6940.9	7195.6	7399.4
52.5°	9968.8	10045.2	9771.4	9500.8	8873.6	7565.0	7530.0	7405.8	8240.0	8590.2	8832.2
55°	10962.2	10818.9	10510.1	10650.2	10398.7	8937.2	8873.6	8727.1	9720.5	9866.9	10121.7
57.5°	11181.9	11073.6	11392.0	11888.7	12130.7	10548.3	10522.8	10258.6	10965.4	10831.7	11551.2
60°	11729.5	11758.2	12200.8	13187.8	13608.0	12407.7	12283.5	11818.7	12172.1	12197.6	12964.9
62.5°	12293.1	12226.2	13216.4	14165.2	14811.6	14168.4	14127.0	13203.7	13604.9	13280.1	14295.8
65°	11879.2	11981.1	13397.9	14986.7	16371.7	15890.9	15855.9	14537.7	14757.4	14353.1	14837.0
67.5°	10408.2	10201.3	12184.8	14611.0	17174.0	17696.2	17658.0	15992.8	15407.0	14346.7	13713.1
70°	7628.7	7450.4	9067.8	12372.7	16024.6	18619.5	18772.3	17005.3	15142.7	13009.5	10580.1
72.5°	3737.9	3741.1	5081.5	8389.6	12678.3	16970.3	17046.7	15591.6	13009.5	9589.9	5992.1
75°	1104.8	1117.6	1881.7	4113.6	8195.4	12888.5	12974.4	11834.6	9016.8	4954.2	2044.1
77.5°	404.4	404.4	624.0	1544.2	4088.1	8134.9	8128.5	7265.7	4565.7	1677.9	477.6
80°	210.1	219.7	324.8	630.4	1770.3	4237.8	4397.0	3556.4	1735.2	706.8	140.1
82.5°	86.0	95.5	178.3	324.8	850.1	1486.9	1627.0	1394.6	754.6	493.5	63.7
85°	25.5	28.7	86.0	181.5	334.3	372.5	413.9	468.0	474.4	382.1	28.7
87.5°	3.2	3.2	35.0	60.5	73.2	79.6	92.3	92.3	242.0	267.4	15.9
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: P483491

CATALOG NUMBER: IFLD-L-SA8B-722-U-T4W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2171.4	2171.4	2171.4	2171.4	2171.4	2171.4	2171.4	2171.4	2171.4	2171.4	2171.4
2.5°	2187.3	2171.4	2146.0	2088.6	2075.9	2034.5	2031.3	1993.1	2005.9	1980.4	1970.8
5°	2171.4	2136.4	2066.4	2021.8	1977.2	1948.6	1929.5	1913.5	1910.3	1897.6	1891.2
7.5°	2200.1	2152.3	2044.1	1974.0	1897.6	1872.1	1830.7	1827.6	1805.3	1783.0	1783.0
10°	2295.6	2209.6	2091.8	1974.0	1875.3	1792.5	1697.0	1627.0	1601.5	1544.2	1550.6
12.5°	2372.0	2295.6	2123.7	2002.7	1853.0	1665.2	1455.0	1292.7	1216.3	1143.0	1171.7
15°	2480.3	2368.8	2184.2	2009.0	1767.1	1442.3	1098.4	917.0	846.9	831.0	827.8
17.5°	2598.1	2480.3	2260.6	1993.1	1592.0	1114.4	808.7	703.6	716.4	735.5	732.3
20°	2728.6	2585.3	2317.9	1939.0	1315.0	808.7	662.3	659.1	678.2	706.8	713.2
22.5°	2865.5	2741.3	2387.9	1776.6	980.6	649.5	636.8	636.8	649.5	684.5	678.2
25°	3018.3	2852.8	2423.0	1525.1	703.6	598.6	604.9	617.7	624.0	652.7	655.9
27.5°	3136.2	2977.0	2432.5	1222.6	573.1	554.0	569.9	585.8	595.4	617.7	627.2
30°	3244.4	3133.0	2381.6	910.6	525.3	515.8	522.2	544.4	563.6	582.7	582.7
32.5°	3381.3	3222.1	2263.8	646.3	496.7	480.8	477.6	487.1	509.4	531.7	531.7
35°	3521.4	3371.8	2075.9	519.0	471.2	448.9	436.2	426.6	436.2	452.1	464.9
37.5°	3725.2	3597.8	1840.3	477.6	452.1	420.3	394.8	372.5	356.6	353.4	363.0
40°	4014.9	3852.5	1537.8	448.9	429.8	391.6	353.4	315.2	280.2	257.9	261.1
42.5°	4454.3	4228.2	1209.9	433.0	413.9	359.8	305.7	251.5	207.0	184.7	184.7
45°	5081.5	4724.9	888.3	417.1	394.8	321.6	251.5	187.9	143.3	130.5	133.7
47.5°	6027.1	5323.5	636.8	391.6	369.3	280.2	197.4	133.7	105.1	98.7	101.9
50°	7262.5	6033.5	496.7	363.0	337.5	235.6	146.5	98.7	82.8	79.6	82.8
52.5°	8558.4	6749.9	436.2	337.5	289.7	187.9	108.3	79.6	70.0	66.9	70.0
55°	9666.4	7211.6	378.9	299.3	232.4	140.1	86.0	70.0	60.5	50.9	50.9
57.5°	10787.1	7444.0	299.3	248.3	171.9	105.1	73.2	60.5	50.9	41.4	38.2
60°	11697.7	7609.6	213.3	184.7	121.0	82.8	63.7	54.1	41.4	31.8	28.7
62.5°	12296.3	7135.1	156.0	140.1	89.1	70.0	54.1	44.6	31.8	22.3	22.3
65°	12000.2	6479.3	121.0	98.7	66.9	54.1	44.6	31.8	22.3	12.7	9.6
67.5°	10768.0	5278.9	98.7	73.2	50.9	41.4	35.0	25.5	12.7	3.2	3.2
70°	8033.0	3868.5	79.6	54.1	41.4	31.8	25.5	15.9	6.4	3.2	0.0
72.5°	4393.8	2117.3	63.7	44.6	31.8	25.5	19.1	12.7	6.4	0.0	0.0
75°	1451.9	563.6	47.8	31.8	19.1	15.9	12.7	9.6	3.2	0.0	0.0
77.5°	350.2	146.5	38.2	28.7	15.9	9.6	6.4	3.2	3.2	0.0	0.0
80°	108.3	60.5	28.7	19.1	12.7	9.6	3.2	0.0	0.0	0.0	0.0
82.5°	44.6	28.7	12.7	12.7	9.6	3.2	0.0	0.0	0.0	0.0	0.0
85°	22.3	15.9	9.6	6.4	6.4	3.2	0.0	0.0	0.0	0.0	0.0
87.5°	15.9	6.4	3.2	3.2	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)