

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: P483125

Luminaire Tested: **IFLD-S-SA6B-727-U-T4FT-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483125  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-727-U-T4FT-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens with House Side Shield  
Light Source: (96) 2700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

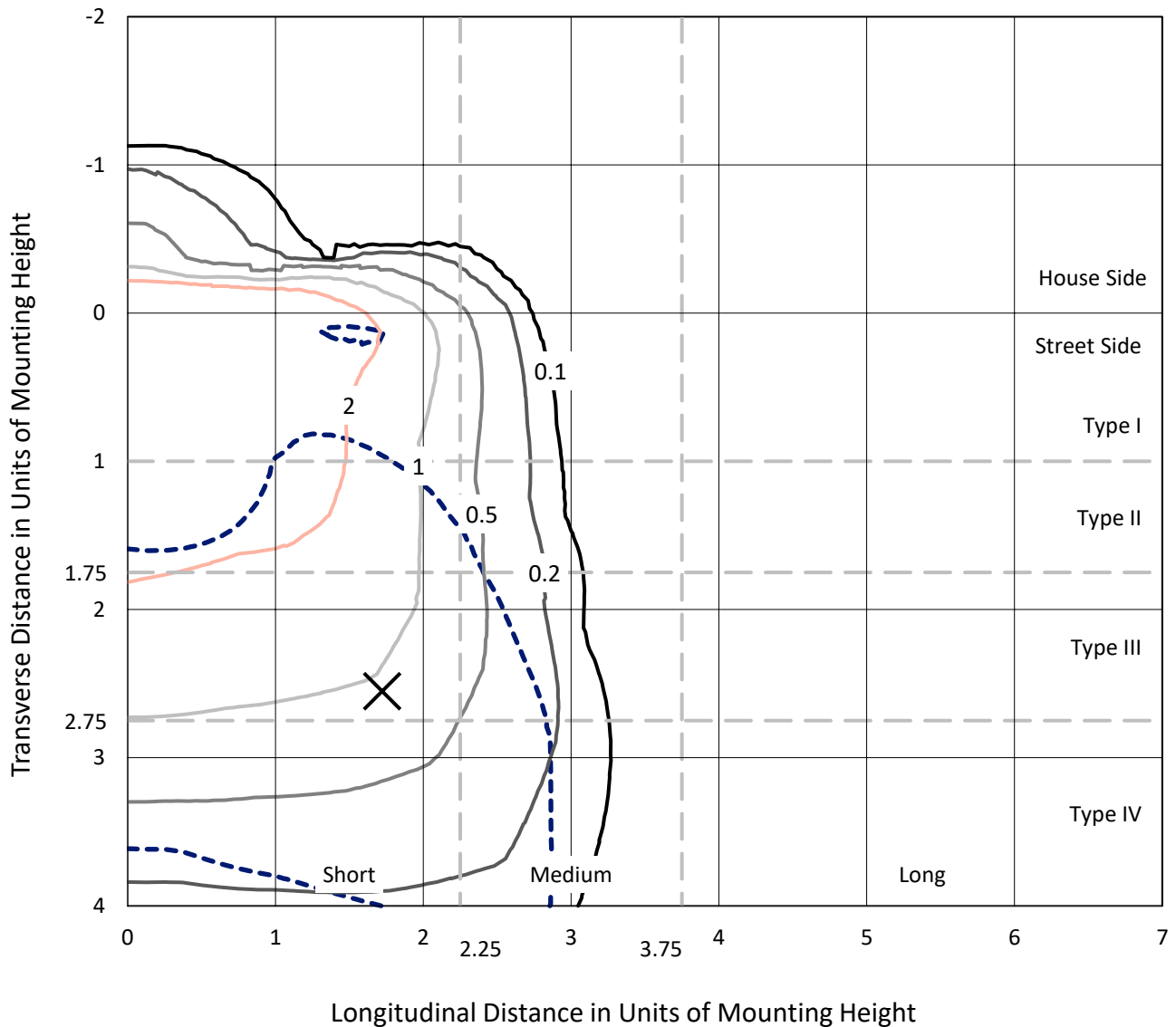
Lumens per Lamp: N/A  
Luminaire Lumens: 20185.3 lumens  
Efficiency: N/A  
Efficacy: 82.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 244.9  
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

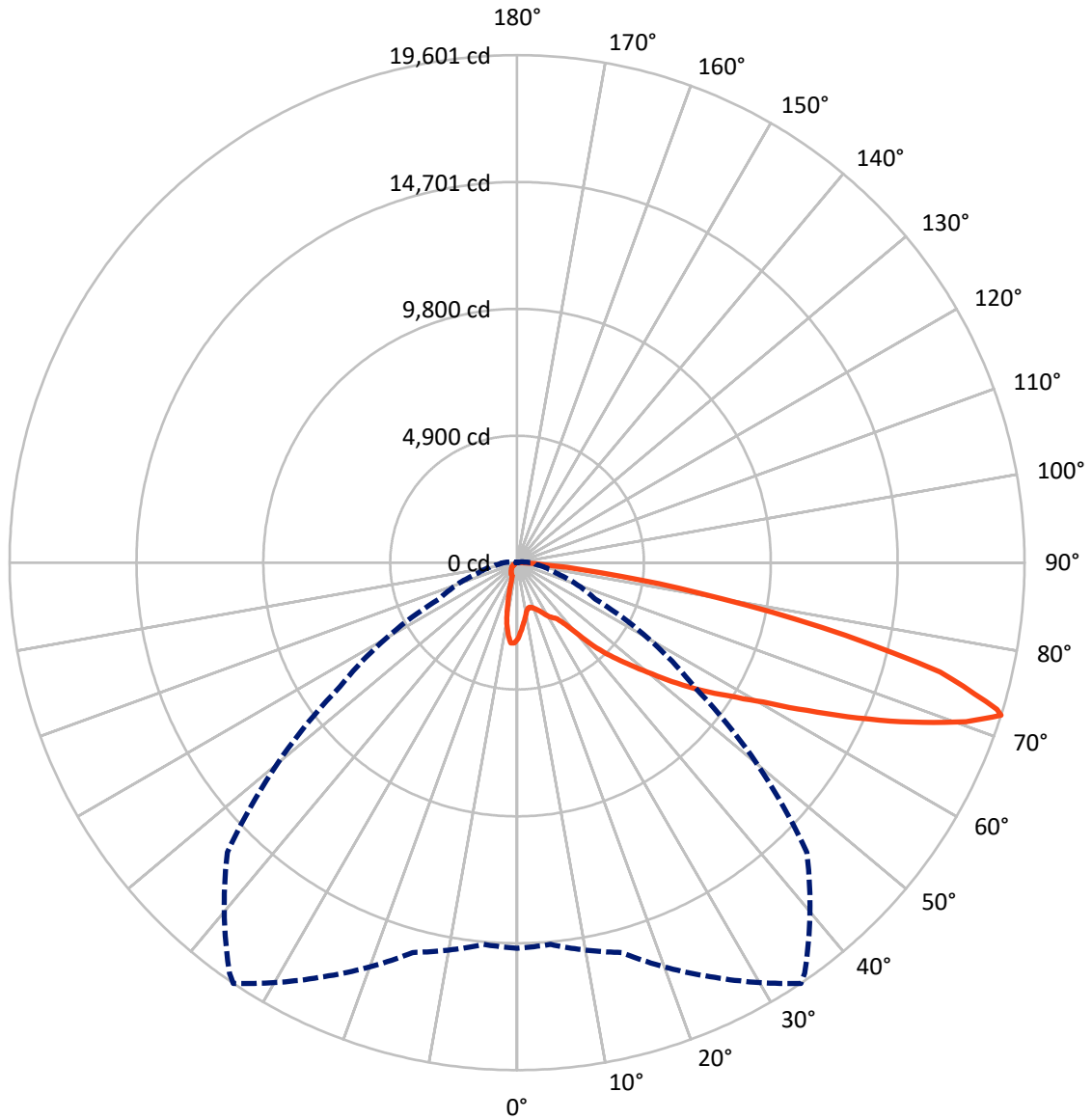
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 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	2066.5	0.0	2066.5
	% Fixture	10.2	0.0	10.2
<b>Street Side</b>	Lumens	18118.8	0.0	18118.8
	% Fixture	89.8	0.0	89.8
<b>Total</b>	Lumens	20185.3	0.0	20185.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.4	1.3
10°-20°	580.4	2.9
20°-30°	876.0	4.3
30°-40°	1421.6	7.0
40°-50°	2673.3	13.2
50°-60°	4370.9	21.7
60°-70°	5810.5	28.8
70°-80°	3891.2	19.3
80°-90°	304.9	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°	20185.3	100.0
0°-180°	20185.3	100.0



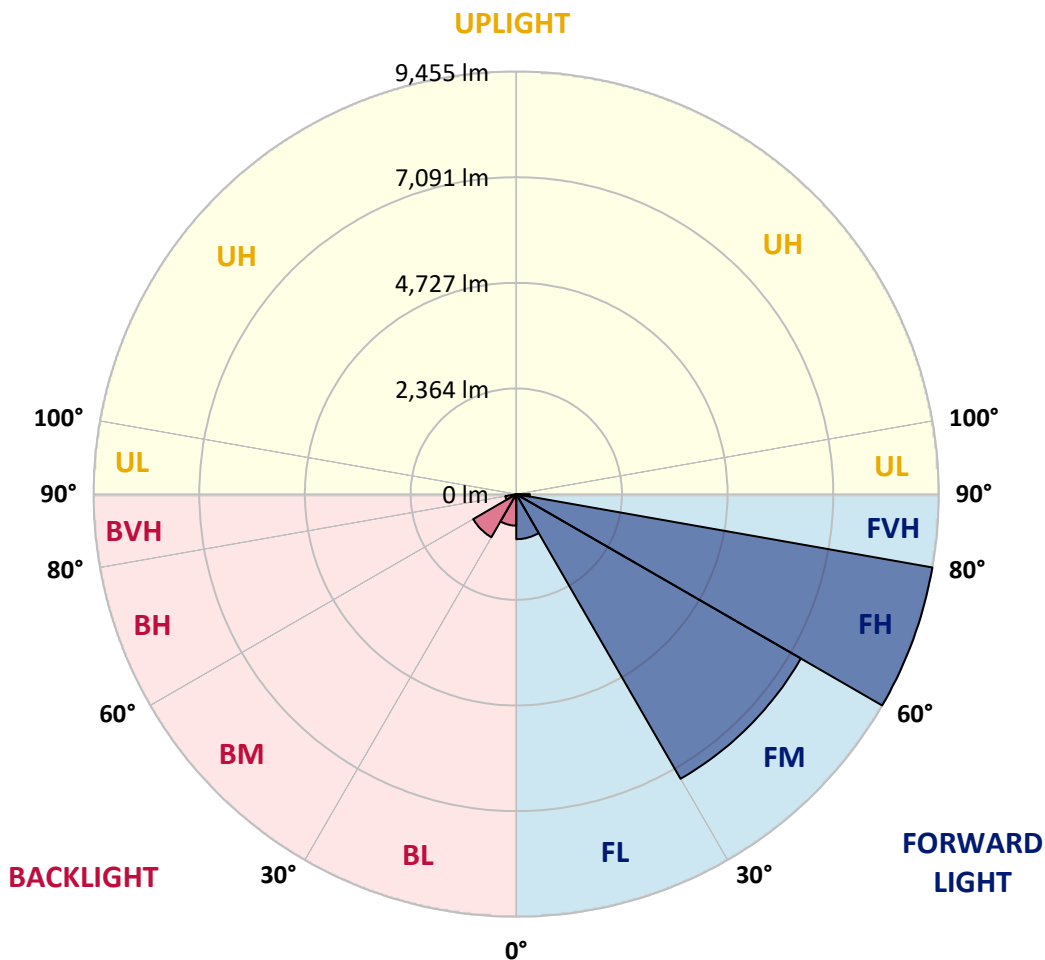
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1007.7	5.0			
FM (30°-60°)	7353.5	36.4			
FH (60°-80°)	9454.6	46.8			G4/12000
FVH (80°-90°)	303.0	1.5			G3/500
BL (0°-30°)	705.1	3.5	B2/1000		
BM (30°-60°)	1112.4	5.5	B2/2500		
BH (60°-80°)	247.1	1.2	B1/500		G1/500
BVH (80°-90°)	1.9	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°	2953.1	2953.1	2953.1	2953.1	2953.1	2953.1	2953.1	2953.1	2953.1	2953.1	2953.1
2.5°	2611.7	2605.9	2623.4	2652.6	2681.7	2670.1	2725.5	2783.9	2824.7	2880.2	2947.3
5°	2282.0	2296.6	2314.1	2372.4	2410.4	2419.1	2521.2	2597.1	2722.6	2851.0	2970.6
7.5°	1981.4	1998.9	2033.9	2098.1	2176.9	2197.3	2299.5	2451.2	2614.6	2783.9	2979.4
10°	1762.5	1780.0	1818.0	1858.8	1963.9	1963.9	2104.0	2314.1	2527.1	2725.5	2982.3
12.5°	1715.8	1724.6	1721.7	1753.8	1820.9	1835.5	1972.6	2203.2	2451.2	2705.1	3029.0
15°	1771.3	1777.1	1747.9	1730.4	1788.8	1803.4	1931.8	2136.1	2401.6	2716.8	3104.9
17.5°	1882.2	1861.8	1803.4	1777.1	1826.7	1835.5	1955.1	2133.1	2395.8	2748.9	3192.4
20°	1946.4	1969.7	1867.6	1818.0	1888.0	1899.7	2028.1	2179.8	2424.9	2804.3	3315.0
22.5°	2060.2	2071.9	1934.7	1902.6	1969.7	1969.7	2115.6	2273.2	2495.0	2894.8	3460.9
25°	2220.7	2206.1	2045.6	2013.5	2077.7	2104.0	2249.9	2422.0	2603.0	2979.4	3595.1
27.5°	2346.2	2354.9	2223.6	2139.0	2246.9	2264.5	2422.0	2582.5	2684.7	3049.4	3758.5
30°	2532.9	2515.4	2375.3	2279.0	2413.3	2416.2	2567.9	2734.3	2842.2	3174.9	4003.6
32.5°	2754.7	2719.7	2559.2	2422.0	2530.0	2556.3	2710.9	2953.1	3087.4	3411.3	4383.0
35°	3224.5	3139.9	2877.3	2664.2	2673.0	2684.7	2923.9	3271.2	3425.9	3711.8	4890.7
37.5°	3910.3	3875.2	3577.6	3172.0	3017.3	2982.3	3250.8	3691.4	3884.0	4108.7	5550.2
40°	4590.2	4540.6	4263.4	3957.0	3676.8	3606.8	3741.0	4248.8	4423.9	4660.2	6227.2
42.5°	5346.0	5258.4	4931.6	4683.6	4508.5	4432.6	4380.1	4949.1	5147.5	5308.0	6889.7
45°	6110.5	5967.5	5494.8	5305.1	5211.7	5170.9	5165.1	5830.4	5950.0	5982.1	7625.0
47.5°	6781.7	6627.0	6198.1	5985.0	5915.0	5903.3	6230.2	6845.9	6752.5	6667.9	8445.0
50°	7298.2	7199.0	6889.7	6813.8	6761.3	6740.8	7505.4	7890.6	7458.7	7309.9	9165.8
52.5°	8097.7	7876.0	7525.8	7552.1	7735.9	7738.8	8798.1	8882.7	8045.2	7750.5	9845.7
55°	8736.8	8590.9	8304.9	8267.0	8751.4	8803.9	9956.6	9635.6	8372.1	8170.7	10096.7
57.5°	9489.7	9422.6	9215.4	9221.2	9729.0	9839.9	10986.7	10271.7	8643.4	8442.1	10134.6
60°	10578.1	10385.5	10277.6	10327.2	10925.4	11033.4	11984.7	10729.9	8774.7	8620.1	10041.2
62.5°	11780.4	11555.7	11439.0	11692.9	12565.4	12582.9	12743.4	11135.5	8693.0	8666.8	9440.1
65°	13227.8	13006.0	12912.6	13423.3	14459.2	14395.0	13808.5	11307.7	8433.3	8197.0	7861.4
67.5°	14669.3	14535.1	14342.5	15156.7	16446.5	16446.5	14914.4	11243.5	7753.4	6580.3	5141.7
70°	15352.2	15445.5	15751.9	17030.1	18398.7	18258.6	16005.8	10505.2	5772.0	3533.8	2022.2
72°	14896.9	14800.6	15591.4	17642.9	19600.9	19370.4	15822.0	8351.6	3335.4	1549.5	703.3
72.5°	14114.9	14205.3	15293.8	17558.3	19376.2	19565.9	15372.6	7703.8	2743.0	1234.4	531.1
75°	8655.1	8809.8	11415.6	14908.6	16884.2	16671.1	11891.3	3671.0	1053.4	525.3	189.7
77.5°	3160.3	3288.7	5538.6	9381.7	12008.0	11873.8	6880.9	1304.4	571.9	391.0	96.3
80°	822.9	890.0	1882.2	4327.6	7061.8	7070.6	2880.2	522.3	388.1	321.0	58.4
82.5°	163.4	180.9	577.8	1683.7	3300.4	3256.6	910.4	280.1	291.8	262.6	40.9
85°	20.4	26.3	122.6	571.9	1068.0	957.1	224.7	140.1	215.9	204.3	26.3
87.5°	2.9	2.9	29.2	131.3	224.7	218.9	46.7	43.8	96.3	125.5	14.6
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°	2953.1	2953.1	2953.1	2953.1	2953.1	2953.1	2953.1	2953.1	2953.1	2953.1	2953.1
2.5°	2985.2	2996.9	3037.7	3072.8	3113.6	3125.3	3107.8	3137.0	3096.1	3119.5	3125.3
5°	2991.1	3058.2	3134.0	3183.7	3172.0	3142.8	3119.5	3040.7	2985.2	2964.8	3008.6
7.5°	3031.9	3107.8	3189.5	3189.5	3125.3	2973.6	2827.6	2687.6	2570.9	2512.5	2562.1
10°	3084.4	3163.2	3247.9	3137.0	2897.7	2620.5	2413.3	2150.6	1972.6	1879.3	1888.0
12.5°	3154.5	3265.4	3294.5	3037.7	2640.9	2229.4	1853.0	1488.2	1319.0	1184.8	1187.7
15°	3244.9	3352.9	3265.4	2821.8	2314.1	1707.1	1254.8	907.5	773.3	703.3	703.3
17.5°	3364.6	3446.3	3256.6	2623.4	1873.4	1167.2	770.4	612.8	583.6	571.9	571.9
20°	3504.6	3565.9	3172.0	2314.1	1391.9	750.0	566.1	548.6	551.5	545.7	545.7
22.5°	3662.2	3682.7	3075.7	1955.1	942.5	554.4	528.2	531.1	534.0	528.2	531.1
25°	3828.6	3773.1	2935.6	1534.9	627.4	504.8	510.7	516.5	519.4	522.3	522.3
27.5°	4015.3	3904.4	2740.1	1123.5	490.2	475.7	493.2	510.7	513.6	513.6	510.7
30°	4289.6	4105.8	2550.4	761.6	431.9	443.6	472.7	493.2	507.8	507.8	504.8
32.5°	4636.9	4315.9	2284.9	519.4	399.8	405.6	429.0	469.8	501.9	504.8	496.1
35°	5118.4	4569.8	2007.7	414.4	376.4	379.4	393.9	426.0	481.5	499.0	496.1
37.5°	5626.1	4858.6	1663.3	373.5	358.9	356.0	364.8	391.0	440.6	484.4	487.3
40°	6166.0	5162.1	1301.5	353.1	344.3	338.5	341.4	353.1	391.0	446.5	458.1
42.5°	6673.7	5436.4	977.6	332.7	329.7	323.9	323.9	326.8	347.3	385.2	391.0
45°	7222.3	5661.1	744.1	318.1	309.3	312.2	300.6	294.7	309.3	312.2	309.3
47.5°	7735.9	5885.8	595.3	300.6	291.8	291.8	277.2	265.5	265.5	239.3	236.4
50°	8217.4	6008.4	475.7	277.2	274.3	271.4	251.0	230.5	213.0	180.9	175.1
52.5°	8617.2	6002.5	367.7	248.0	256.8	248.0	215.9	186.8	160.5	131.3	125.5
55°	8736.8	5722.4	277.2	204.3	218.9	207.2	172.2	145.9	116.7	93.4	90.5
57.5°	8634.7	5296.4	210.1	157.6	169.3	157.6	131.3	108.0	81.7	64.2	58.4
60°	8293.3	4797.4	163.4	122.6	128.4	119.6	99.2	81.7	58.4	40.9	35.0
62.5°	7645.4	4172.9	125.5	96.3	93.4	93.4	75.9	61.3	40.9	23.3	20.4
65°	6273.9	3253.7	96.3	67.1	67.1	67.1	58.4	43.8	26.3	11.7	5.8
67.5°	3939.4	1893.9	78.8	52.5	49.6	49.6	40.9	29.2	14.6	2.9	0.0
70°	1482.4	694.5	61.3	40.9	37.9	37.9	29.2	17.5	8.8	0.0	0.0
72°	510.7	265.5	49.6	29.2	29.2	26.3	20.4	14.6	5.8	0.0	0.0
72.5°	420.2	213.0	46.7	29.2	26.3	26.3	20.4	14.6	5.8	0.0	0.0
75°	151.7	87.5	32.1	20.4	17.5	17.5	14.6	8.8	2.9	0.0	0.0
77.5°	75.9	55.4	26.3	17.5	14.6	8.8	8.8	5.8	2.9	0.0	0.0
80°	46.7	35.0	14.6	11.7	8.8	5.8	2.9	2.9	0.0	0.0	0.0
82.5°	32.1	20.4	8.8	8.8	5.8	2.9	0.0	0.0	0.0	0.0	0.0
85°	20.4	8.8	5.8	5.8	2.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	8.8	5.8	2.9	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)