

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: P482620

Luminaire Tested: **IFLD-S-SA6D-830-U-T3-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482620  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-830-U-T3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3  
distribution lens with House Side Shield  
Light Source: (96) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

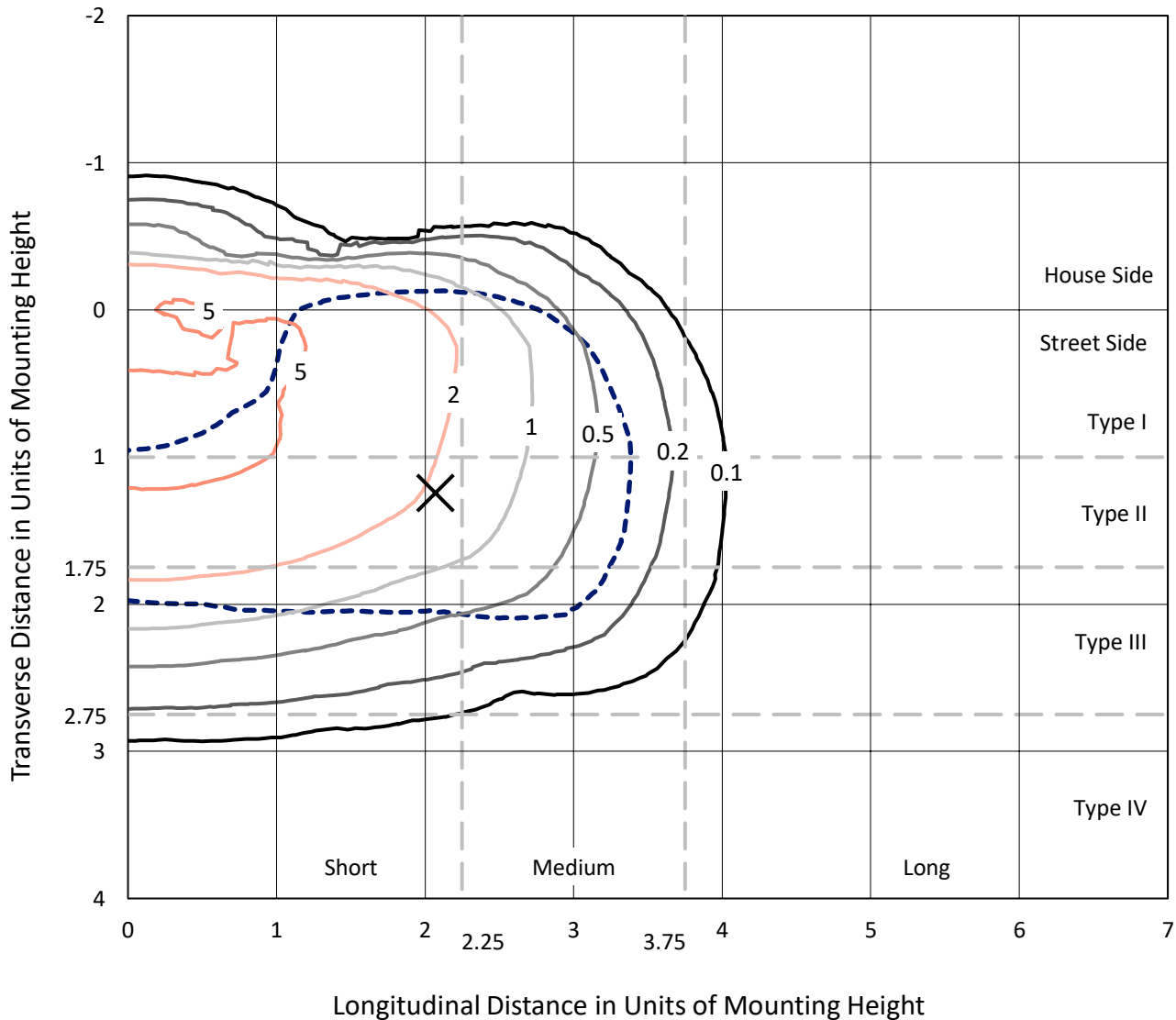
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26958.2 lumens  
Efficiency: N/A  
Efficacy: 73.2 lumens/watt  
Luminous Opening: Vertical Cylinder (Dia: 1' x H: 0.5')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4  
  
Input Watts (W): 368.2  
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

REPORT NUMBER: P482620  
 CATALOG NUMBER: IFLD-S-SA6D-830-U-T3-HSS

### Iso-Footcandle Lines of Horizontal Illumination

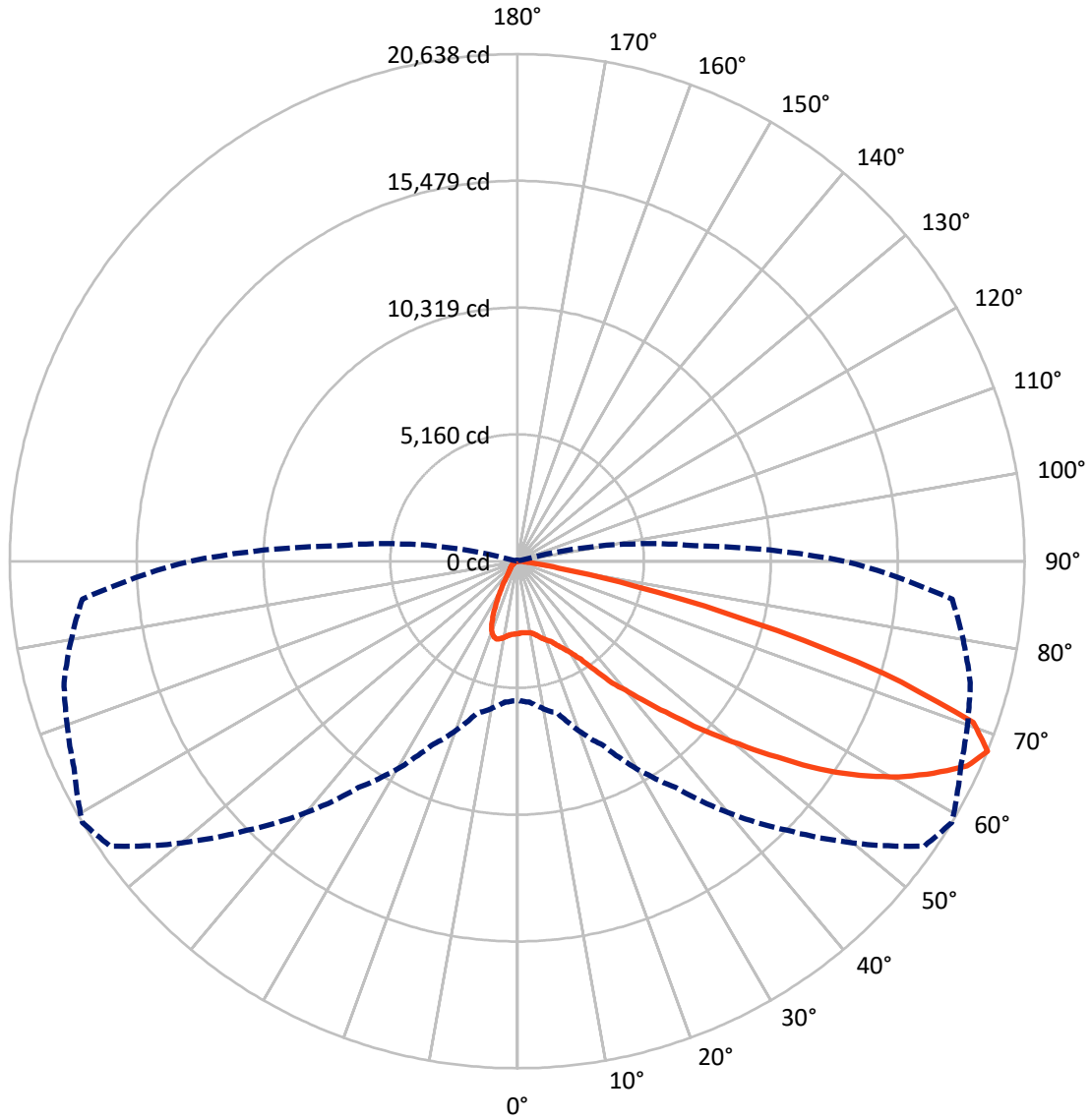
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.7 fc  
 Type III - Short - N/A

REPORT NUMBER: P482620  
CATALOG NUMBER: IFLD-S-SA6D-830-U-T3-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P482620  
 CATALOG NUMBER: IFLD-S-SA6D-830-U-T3-HSS

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3166.7	0.0	3166.7
	% Fixture	11.7	0.0	11.7
<b>Street Side</b>	Lumens	23791.5	0.0	23791.5
	% Fixture	88.3	0.0	88.3
<b>Total</b>	Lumens	26958.2	0.0	26958.2
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	280.9	1.0
10°-20°	811.3	3.0
20°-30°	1418.0	5.3
30°-40°	2496.5	9.3
40°-50°	4413.0	16.4
50°-60°	6987.4	25.9
60°-70°	7750.9	28.8
70°-80°	2689.4	10.0
80°-90°	110.7	0.4
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°	26958.2	100.0
0°-180°	26958.2	100.0

**Coefficient of Utilization**

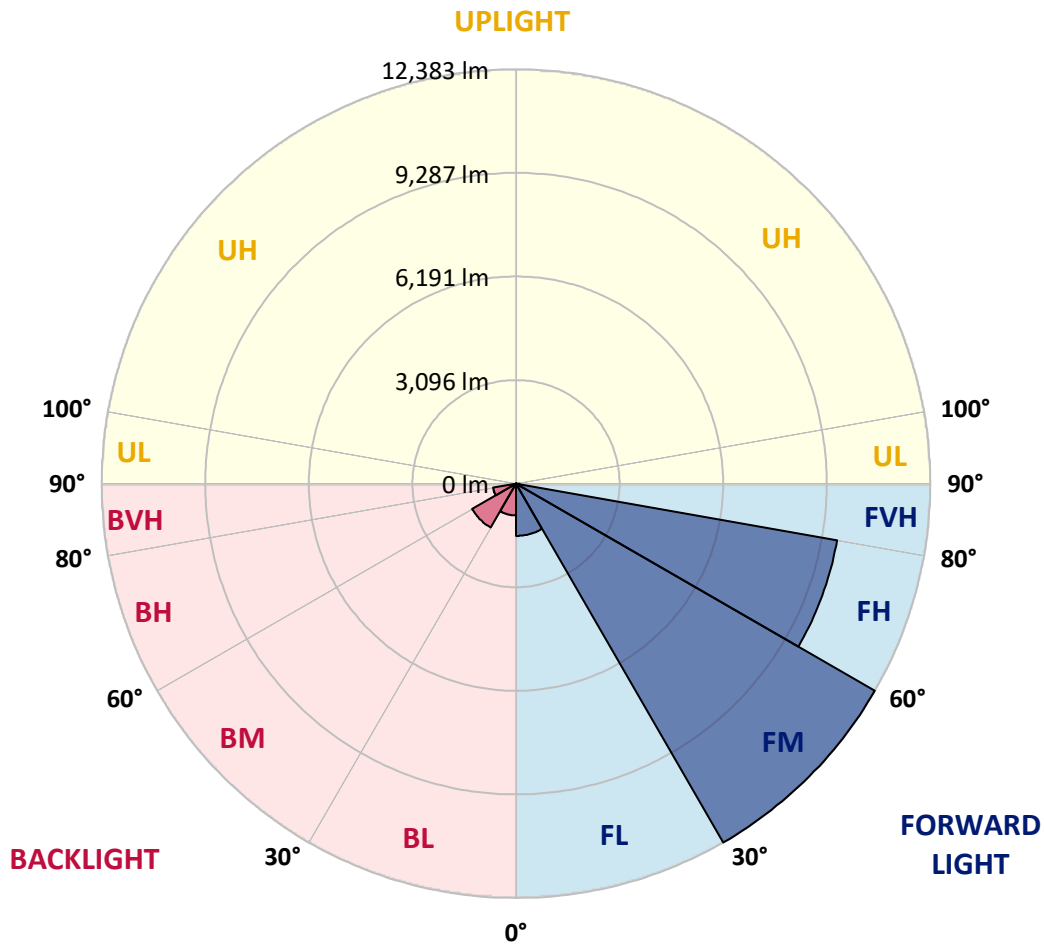


REPORT NUMBER: P482620  
 CATALOG NUMBER: IFLD-S-SA6D-830-U-T3-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1561.1	5.8			
FM (30°-60°)	12382.9	45.9			
FH (60°-80°)	9743.9	36.1			G4/12000
FVH (80°-90°)	103.6	0.4			G2/225
BL (0°-30°)	949.1	3.5	B2/1000		
BM (30°-60°)	1514.0	5.6	B2/2500		
BH (60°-80°)	696.4	2.6	B2/1000		G2/1000
BVH (80°-90°)	7.2	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 III Short





REPORT NUMBER: P482620

CATALOG NUMBER: IFLD-S-SA6D-830-U-T3-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	2956.8	2956.8	2956.8	2956.8	2956.8	2956.8	2956.8	2956.8	2956.8	2956.8	2956.8
2.5°	2871.2	2830.2	2867.5	2871.2	2874.9	2908.4	2945.7	2919.6	2915.9	2945.7	2971.7
5°	2755.7	2737.1	2781.8	2804.1	2841.4	2871.2	2930.8	2934.5	2938.2	2971.7	3016.4
7.5°	2707.3	2662.6	2714.8	2740.8	2766.9	2837.7	2908.4	2945.7	2997.8	3038.8	3083.4
10°	2610.5	2644.0	2658.9	2703.6	2778.1	2860.0	2945.7	2964.3	3079.7	3113.2	3221.2
12.5°	2644.0	2666.4	2696.1	2707.3	2789.2	2912.1	3027.6	3035.0	3154.2	3299.4	3355.3
15°	2729.7	2714.8	2725.9	2740.8	2837.7	2938.2	3124.4	3157.9	3269.6	3433.5	3571.3
17.5°	2912.1	2886.1	2867.5	2863.7	2886.1	2979.2	3198.9	3299.4	3403.7	3627.1	3697.9
20°	3370.2	3347.8	3273.4	3079.7	3012.7	3049.9	3288.3	3429.8	3575.0	3824.5	3940.0
22.5°	4066.6	4088.9	3913.9	3642.0	3362.7	3217.5	3429.8	3552.7	3783.5	4100.1	4204.4
25°	4889.6	4844.9	4632.6	4316.1	3876.6	3534.0	3656.9	3794.7	4077.7	4338.4	4379.4
27.5°	5533.8	5481.7	5317.8	4934.3	4554.4	3999.5	3954.8	4040.5	4375.7	4610.3	4565.6
30°	6170.6	6189.2	6077.5	5623.2	5154.0	4569.3	4286.3	4323.5	4580.5	4882.1	4781.6
32.5°	6982.4	6937.7	6874.4	6476.0	5921.1	5295.5	4811.4	4751.8	4863.5	5262.0	5142.8
35°	7738.4	7712.3	7626.7	7224.5	6740.4	6058.9	5585.9	5451.9	5425.8	5869.0	5660.4
37.5°	8397.5	8352.8	8222.5	7965.6	7496.3	6922.8	6405.2	6286.0	6282.3	6587.7	6185.5
40°	8952.4	8985.9	8971.0	8688.0	8431.1	7973.0	7179.8	6989.9	6975.0	7138.8	6904.2
42.5°	9671.1	9749.3	9708.4	9652.5	9343.4	9164.7	8267.2	7976.7	7846.4	8181.5	7969.3
45°	10758.5	10788.3	10814.4	10676.6	10367.5	10404.8	9391.8	9045.5	9012.0	9511.0	9034.3
47.5°	11775.2	11697.0	11879.4	11886.9	11872.0	11700.7	10605.8	10348.9	10393.6	10773.4	10281.9
50°	12028.4	12229.5	12732.2	12825.3	13067.4	13223.8	11953.9	11697.0	11771.4	12203.4	11641.1
52.5°	12225.8	12531.1	13033.9	13715.4	14367.0	14739.4	13462.1	13253.6	13249.9	13514.3	12739.7
55°	12572.1	12758.3	13194.0	14132.4	15372.5	15983.2	15279.4	14944.3	14642.6	14828.8	13879.2
57.5°	12538.6	12609.3	13287.1	14445.3	16169.4	17279.2	16772.7	16452.5	16065.2	15957.2	15190.0
60°	11950.2	12117.8	12877.5	14233.0	16661.0	18288.4	18165.5	17837.8	17171.2	16918.0	16195.5
62.5°	10784.6	11008.0	11603.9	13488.2	15946.0	18340.5	19126.3	19003.4	18258.6	17804.3	17506.3
65°	8740.1	8844.4	9529.6	11596.4	14329.8	17539.9	20262.1	20109.4	19424.2	18746.4	18180.4
67.5°	5660.4	5761.0	6420.1	8278.4	11253.8	15473.1	20217.4	20638.2	19897.1	19081.6	17759.6
70°	2673.8	2647.7	3262.2	4599.1	7209.6	11816.1	18850.7	19681.1	19051.8	17297.8	14750.6
72.5°	815.5	886.3	1355.5	2037.0	3701.6	7369.7	14776.7	15555.0	15357.6	13819.6	9846.2
75°	361.2	391.0	532.5	834.2	1500.8	3023.9	9127.4	9820.1	9734.4	8151.8	4494.8
77.5°	230.9	253.2	335.2	476.7	681.5	960.8	4204.4	4878.4	4729.4	2863.7	1176.8
80°	163.9	175.0	238.3	327.7	428.3	394.7	1448.6	1720.5	1649.7	778.3	316.5
82.5°	89.4	96.8	175.0	242.1	286.7	201.1	405.9	506.5	528.8	346.3	152.7
85°	33.5	41.0	108.0	171.3	149.0	93.1	119.2	145.2	189.9	189.9	70.8
87.5°	0.0	3.7	44.7	74.5	37.2	26.1	33.5	41.0	52.1	89.4	26.1
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: P482620  
 CATALOG NUMBER: IFLD-S-SA6D-830-U-T3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2956.8	2956.8	2956.8	2956.8	2956.8	2956.8	2956.8	2956.8	2956.8	2956.8	2956.8
2.5°	2990.3	2964.3	2975.4	2994.1	2953.1	2975.4	2930.8	2964.3	2975.4	2930.8	2953.1
5°	3027.6	3053.6	3038.8	3009.0	2982.9	2990.3	2979.2	2953.1	2975.4	2982.9	2968.0
7.5°	3135.6	3105.8	3113.2	3079.7	3027.6	3023.9	2953.1	2934.5	2941.9	2949.4	2923.3
10°	3236.1	3254.7	3217.5	3191.4	3105.8	3049.9	2953.1	2848.8	2837.7	2793.0	2830.2
12.5°	3414.9	3370.2	3355.3	3269.6	3184.0	2997.8	2789.2	2629.1	2495.1	2446.6	2398.2
15°	3563.8	3556.4	3530.3	3400.0	3202.6	2863.7	2469.0	2096.6	1839.6	1679.5	1657.2
17.5°	3768.7	3735.1	3686.7	3481.9	3064.8	2513.7	1839.6	1370.4	1113.5	1012.9	975.7
20°	3925.1	3899.0	3832.0	3463.3	2815.3	1873.2	1139.5	871.4	808.1	789.5	793.2
22.5°	4152.2	4070.3	3943.7	3370.2	2361.0	1247.5	819.3	778.3	767.1	752.2	756.0
25°	4349.6	4275.1	4010.7	3210.1	1683.2	826.7	759.7	737.3	718.7	700.1	696.4
27.5°	4524.6	4431.5	4081.5	2882.3	1053.9	711.3	703.8	677.8	640.5	610.7	599.6
30°	4695.9	4587.9	4100.1	2267.9	711.3	644.2	625.6	584.7	536.3	495.3	487.8
32.5°	4982.7	4852.3	4074.0	1619.9	614.5	573.5	532.5	484.1	413.4	379.8	372.4
35°	5429.5	5232.2	4040.5	953.3	551.1	506.5	443.2	379.8	327.7	294.2	286.7
37.5°	5943.4	5600.8	3943.7	636.8	506.5	446.9	364.9	301.6	257.0	230.9	223.4
40°	6706.9	6140.8	3571.3	521.4	450.6	379.8	294.2	238.3	204.8	186.2	178.8
42.5°	7548.5	6759.0	2997.8	469.2	398.5	324.0	234.6	193.6	167.6	149.0	149.0
45°	8557.7	7403.2	2312.6	428.3	353.8	268.1	193.6	156.4	134.1	119.2	111.7
47.5°	9682.3	7987.9	1560.3	387.3	297.9	219.7	160.1	119.2	96.8	85.7	85.7
50°	10687.8	8505.5	994.3	338.9	260.7	182.5	130.3	96.8	78.2	63.3	59.6
52.5°	11600.1	8900.3	685.2	297.9	223.4	149.0	108.0	78.2	59.6	48.4	48.4
55°	12534.9	9101.4	506.5	257.0	193.6	126.6	89.4	70.8	52.1	41.0	37.2
57.5°	13302.0	9187.0	387.3	223.4	163.9	100.5	78.2	59.6	44.7	33.5	29.8
60°	13957.4	9146.1	301.6	186.2	130.3	85.7	67.0	48.4	37.2	26.1	22.3
62.5°	14341.0	8900.3	238.3	160.1	104.3	74.5	55.9	41.0	26.1	18.6	14.9
65°	14348.4	8378.9	186.2	119.2	78.2	63.3	48.4	33.5	18.6	7.4	3.7
67.5°	13320.6	7250.6	149.0	93.1	63.3	48.4	37.2	26.1	7.4	0.0	0.0
70°	10419.6	5485.4	122.9	74.5	52.1	41.0	26.1	14.9	3.7	0.0	0.0
72.5°	6639.8	3284.5	100.5	59.6	44.7	29.8	18.6	11.2	0.0	0.0	0.0
75°	2778.1	1012.9	78.2	52.1	33.5	22.3	14.9	3.7	0.0	0.0	0.0
77.5°	715.0	320.3	63.3	44.7	33.5	18.6	11.2	3.7	0.0	0.0	0.0
80°	212.3	119.2	52.1	37.2	26.1	14.9	7.4	3.7	0.0	0.0	0.0
82.5°	96.8	70.8	44.7	33.5	22.3	14.9	7.4	0.0	0.0	0.0	0.0
85°	37.2	22.3	22.3	18.6	18.6	11.2	3.7	0.0	0.0	0.0	0.0
87.5°	14.9	7.4	7.4	7.4	3.7	3.7	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)