

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: P482853

Luminaire Tested: **IFLD-S-SA6C-740-U-T3R-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482853  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-740-U-T3R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R  
distribution lens with House Side Shield  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

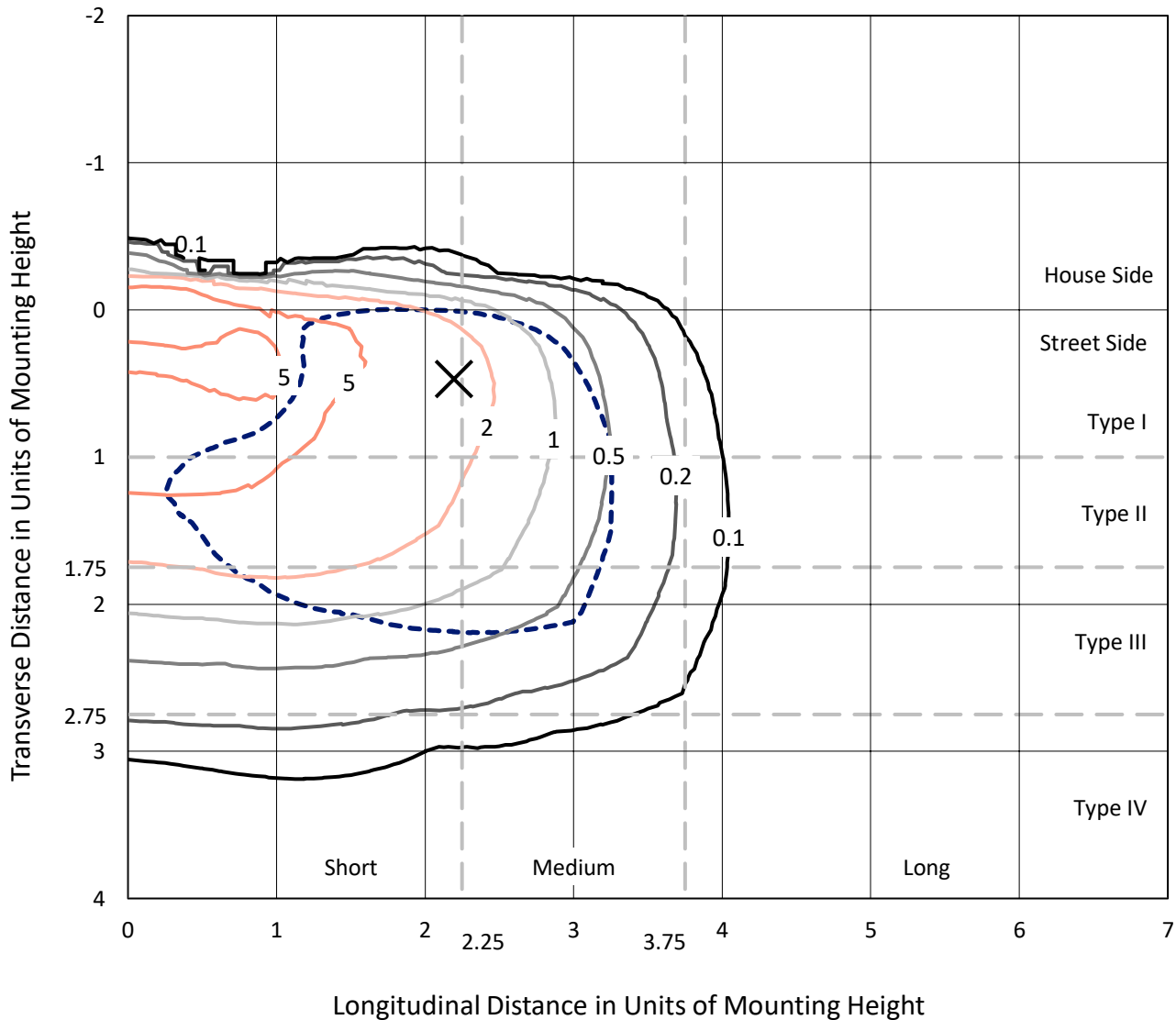
Lumens per Lamp: N/A  
Luminaire Lumens: 29785.1 lumens  
Efficiency: N/A  
Efficacy: 92.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G5

Input Watts (W): 321.5  
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

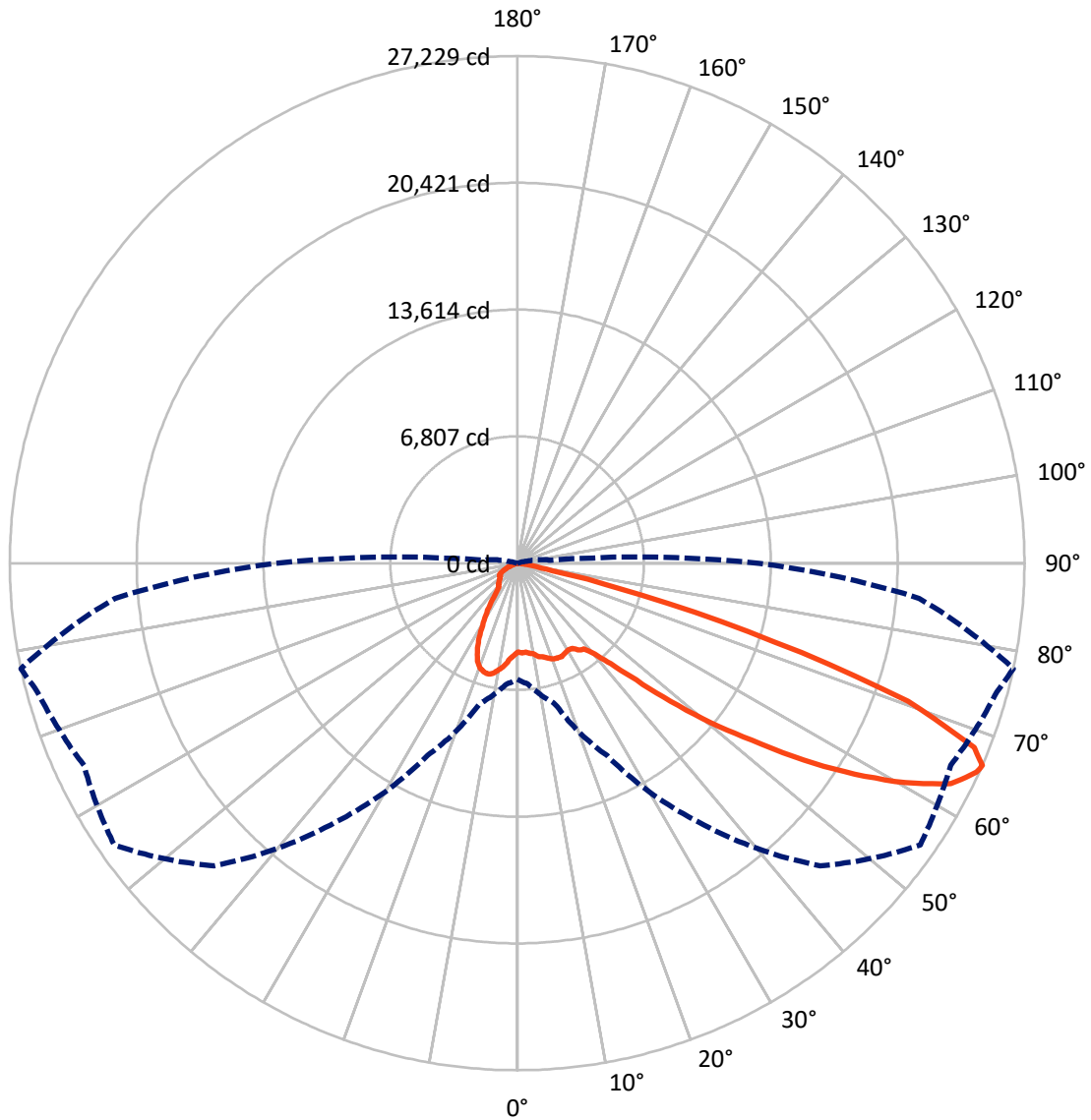
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2094.0	0.0	2094.0
	% Fixture	7.0	0.0	7.0
<b>Street Side</b>	Lumens	27691.1	0.0	27691.1
	% Fixture	93.0	0.0	93.0
<b>Total</b>	Lumens	29785.1	0.0	29785.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	436.4	1.5
10°-20°	985.2	3.3
20°-30°	1408.2	4.7
30°-40°	2410.4	8.1
40°-50°	4350.5	14.6
50°-60°	7440.0	25.0
60°-70°	9157.3	30.7
70°-80°	3462.0	11.6
80°-90°	135.2	0.5
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°	29785.1	100.0
0°-180°	29785.1	100.0

**Coefficient of Utilization**

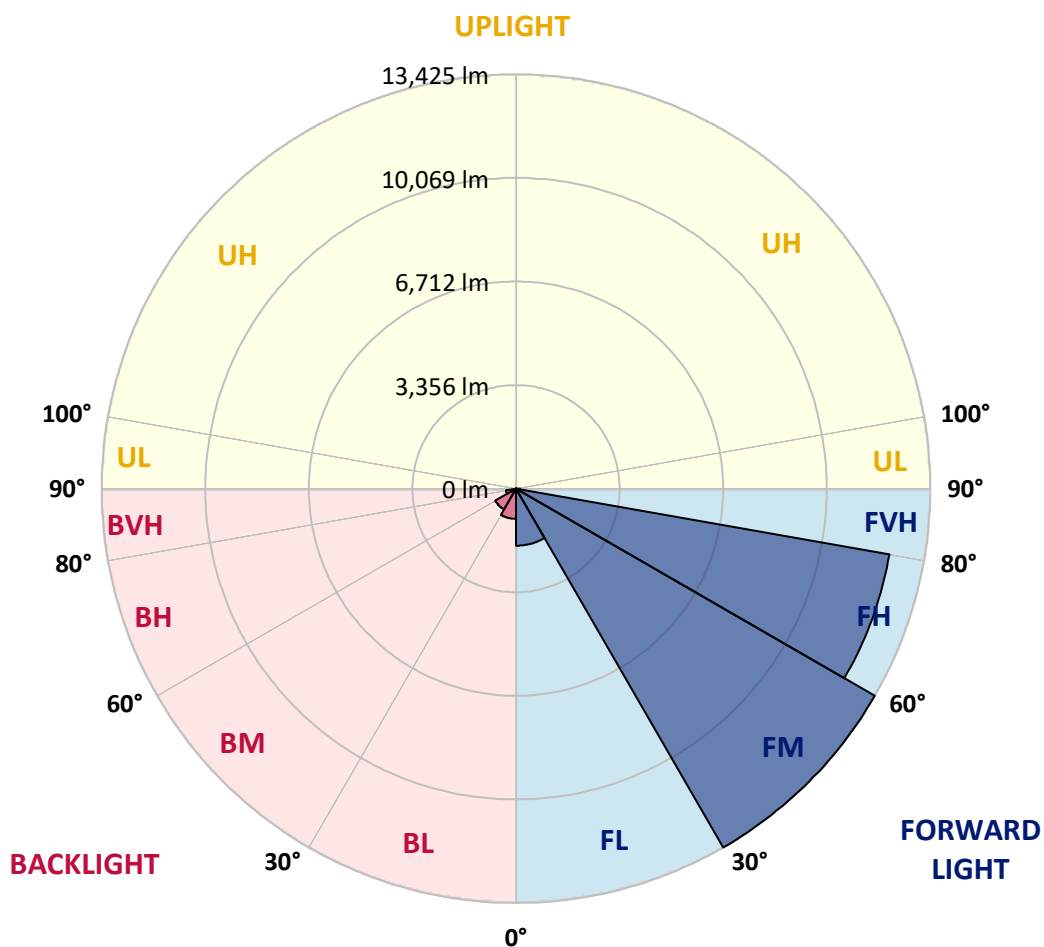


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1849.1	6.2			
FM (30°-60°)	13424.8	45.1			
FH (60°-80°)	12287.5	41.3			G5
FVH (80°-90°)	129.8	0.4			G2/225
BL (0°-30°)	980.7	3.3	B2/1000		
BM (30°-60°)	776.1	2.6	B1/1000		
BH (60°-80°)	331.8	1.1	B1/500		G1/500
BVH (80°-90°)	5.4	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	4770.6	4770.6	4770.6	4770.6	4770.6	4770.6	4770.6	4770.6	4770.6	4770.6	4770.6
2.5°	4388.1	4347.6	4388.1	4446.6	4478.1	4505.1	4599.6	4680.6	4766.1	4824.6	4806.6
5°	4068.5	4145.0	4154.0	4172.0	4221.5	4383.6	4437.6	4577.1	4788.6	4806.6	4887.6
7.5°	3816.5	3794.0	3852.5	3969.5	4095.5	4190.0	4347.6	4590.6	4811.1	4887.6	5045.1
10°	3451.9	3496.9	3560.0	3677.0	3830.0	4064.0	4343.1	4613.1	4928.1	4955.1	5247.7
12.5°	3253.9	3208.9	3307.9	3429.4	3690.5	3906.5	4248.5	4572.6	5000.1	5148.7	5486.2
15°	3091.9	3114.4	3208.9	3289.9	3506.0	3780.5	4181.0	4671.6	5121.7	5225.2	5738.2
17.5°	3024.4	3010.9	3082.9	3163.9	3429.4	3740.0	4154.0	4676.1	5229.7	5364.7	5909.3
20°	3055.9	3082.9	3060.4	3136.9	3303.4	3618.5	4194.5	4761.6	5310.7	5495.2	6093.8
22.5°	3551.0	3515.0	3334.9	3190.9	3199.9	3569.0	4163.0	4815.6	5382.7	5531.2	6219.8
25°	4842.6	4649.1	4203.5	3650.0	3285.4	3433.9	4127.0	4797.6	5369.2	5553.7	6296.3
27.5°	6143.3	5976.8	5540.2	4680.6	3632.0	3379.9	4001.0	4811.1	5301.7	5472.7	6170.3
30°	7516.0	7606.0	6957.9	5936.3	4541.1	3677.0	3920.0	4739.1	5256.7	5400.7	6197.3
32.5°	8924.6	8888.6	8497.1	7390.0	5841.8	4334.1	4050.5	4811.1	5315.2	5454.7	6354.8
35°	10027.3	9901.3	9505.2	8506.1	6917.4	5324.2	4500.6	5153.2	5571.7	5738.2	6579.8
37.5°	10571.9	10625.9	10396.3	9527.7	8096.5	6242.3	5063.2	5153.2	5652.7	5846.3	6944.4
40°	10994.9	11156.9	11071.4	10792.4	9266.7	7277.4	5684.2	5472.7	6062.3	6426.8	7628.5
42.5°	11503.5	11427.0	11931.0	11674.5	10796.9	8582.6	6773.4	6233.3	7029.9	7380.9	8654.6
45°	11773.5	12066.1	12448.6	12777.1	12214.6	10211.8	8195.6	7579.0	8510.6	8956.2	10180.3
47.5°	12466.6	12583.6	13204.7	13618.8	13366.7	12075.1	10355.8	9545.7	10373.8	11075.9	11926.5
50°	12871.7	12714.1	13582.7	14212.8	14356.8	13618.8	12291.1	11661.0	12588.1	13483.7	13560.2
52.5°	12516.1	12966.2	13834.8	14964.4	15365.0	14995.9	14563.9	14289.3	14941.9	15770.0	15401.0
55°	11269.4	11575.5	13690.8	15788.0	17079.7	16908.7	17309.2	17129.2	17786.3	18663.9	17552.3
57.5°	10265.8	10648.4	12507.1	16215.6	18677.4	19181.5	19685.5	19573.0	20365.1	21377.7	19375.0
60°	9640.2	9860.8	11652.0	16107.6	19622.5	21530.8	22669.4	21877.3	23169.0	23943.1	20801.7
62.5°	8555.6	8695.1	10405.3	14676.4	19906.1	23191.5	25122.2	24046.6	25167.2	26112.4	21827.8
65°	6858.9	7236.9	8650.1	12534.1	18033.8	23497.5	26652.4	25387.8	26472.4	27093.5	22138.3
66°	6242.3	6516.8	7813.0	11400.0	16967.2	22989.0	26395.9	25666.8	26661.4	27228.5	21661.3
67.5°	5180.2	5418.7	6449.3	9784.3	14784.4	21868.3	26575.9	25477.8	26805.4	26458.9	21022.2
70°	3429.4	3582.5	4410.6	6615.9	10297.3	17889.8	24649.7	24001.6	23565.0	22264.4	16436.1
72.5°	1602.2	1822.7	2754.4	4010.0	6039.8	12516.1	20099.6	19231.0	16526.1	14446.9	10369.3
75°	724.6	823.6	1512.2	2299.8	2709.3	6485.3	12966.2	11710.5	8227.1	6831.9	4541.1
77.5°	391.6	445.6	738.1	1093.6	985.6	2272.8	6417.8	5337.7	2592.3	1899.2	1318.7
80°	301.5	355.5	616.6	625.6	364.5	589.6	2385.3	1651.7	648.1	490.6	315.0
82.5°	157.5	225.0	486.1	405.1	184.5	238.5	738.1	459.1	202.5	162.0	135.0
85°	63.0	99.0	274.5	270.0	108.0	81.0	207.0	139.5	81.0	67.5	63.0
87.5°	4.5	4.5	148.5	103.5	67.5	22.5	31.5	31.5	40.5	36.0	45.0
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°	4770.6	4770.6	4770.6	4770.6	4770.6	4770.6	4770.6	4770.6	4770.6	4770.6	4770.6
2.5°	4887.6	4941.6	4950.6	5099.2	5130.7	5099.2	5180.2	5166.7	5202.7	5175.7	5126.2
5°	5000.1	5076.7	5225.2	5337.7	5337.7	5247.7	5175.7	5081.2	4941.6	4905.6	4878.6
7.5°	5193.7	5436.7	5571.7	5499.7	5355.7	5018.1	4550.1	4208.0	3920.0	3812.0	3762.5
10°	5535.7	5670.7	5828.2	5535.7	4937.1	4221.5	3433.9	2916.4	2511.3	2421.3	2353.8
12.5°	5756.2	5972.3	6062.3	5337.7	4163.0	3096.4	2241.3	1656.2	1372.7	1156.6	1120.6
15°	6044.3	6291.8	6107.3	4802.1	3280.9	2029.8	1161.1	724.6	589.6	553.6	553.6
17.5°	6242.3	6512.3	5922.8	4136.0	2326.8	1080.1	576.1	499.6	490.6	495.1	486.1
20°	6588.8	6750.9	5643.7	3361.9	1390.7	553.6	463.6	445.6	436.6	450.1	441.1
22.5°	6719.4	6867.9	5189.2	2434.8	625.6	369.0	346.5	333.0	342.0	337.5	333.0
25°	6710.4	6786.9	4442.1	1395.2	184.5	144.0	130.5	130.5	121.5	126.0	121.5
27.5°	6777.9	6588.8	3605.0	414.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	6813.9	6269.3	2565.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	6831.9	6102.8	1651.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	6971.4	5769.7	706.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	7065.9	5342.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	7457.5	5207.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	7966.0	4955.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	8672.6	4581.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	9608.7	4361.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	10306.3	4014.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	11192.9	3807.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	12246.1	3816.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	13204.7	3753.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	13695.3	3208.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	13591.7	2596.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	13231.7	2038.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	12984.2	1804.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	12232.6	1444.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	9734.8	990.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	6192.8	607.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	2853.4	279.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	895.6	171.0	36.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	234.0	108.0	36.0	4.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	121.5	76.5	31.5	13.5	9.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	76.5	31.5	13.5	9.0	9.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	67.5	18.0	9.0	9.0	4.5	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)