

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: P482815

Luminaire Tested: **IFLD-S-SA6D-735-U-T3R-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482815  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-735-U-T3R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R distribution lens with House Side Shield  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

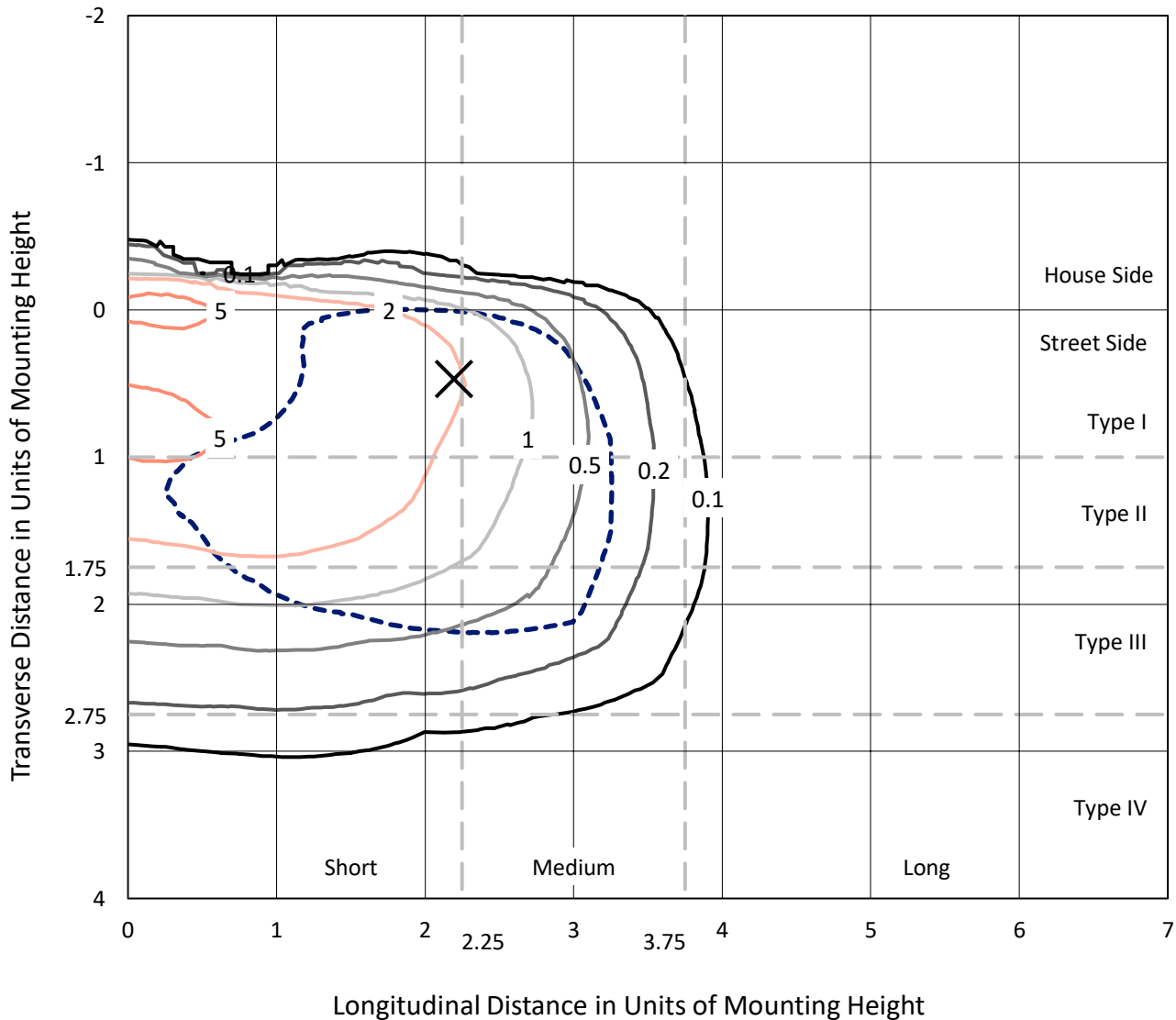
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 32325.3 lumens  
Efficiency: N/A  
Efficacy: 87.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5  
  
Input Watts (W): 368.2  
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

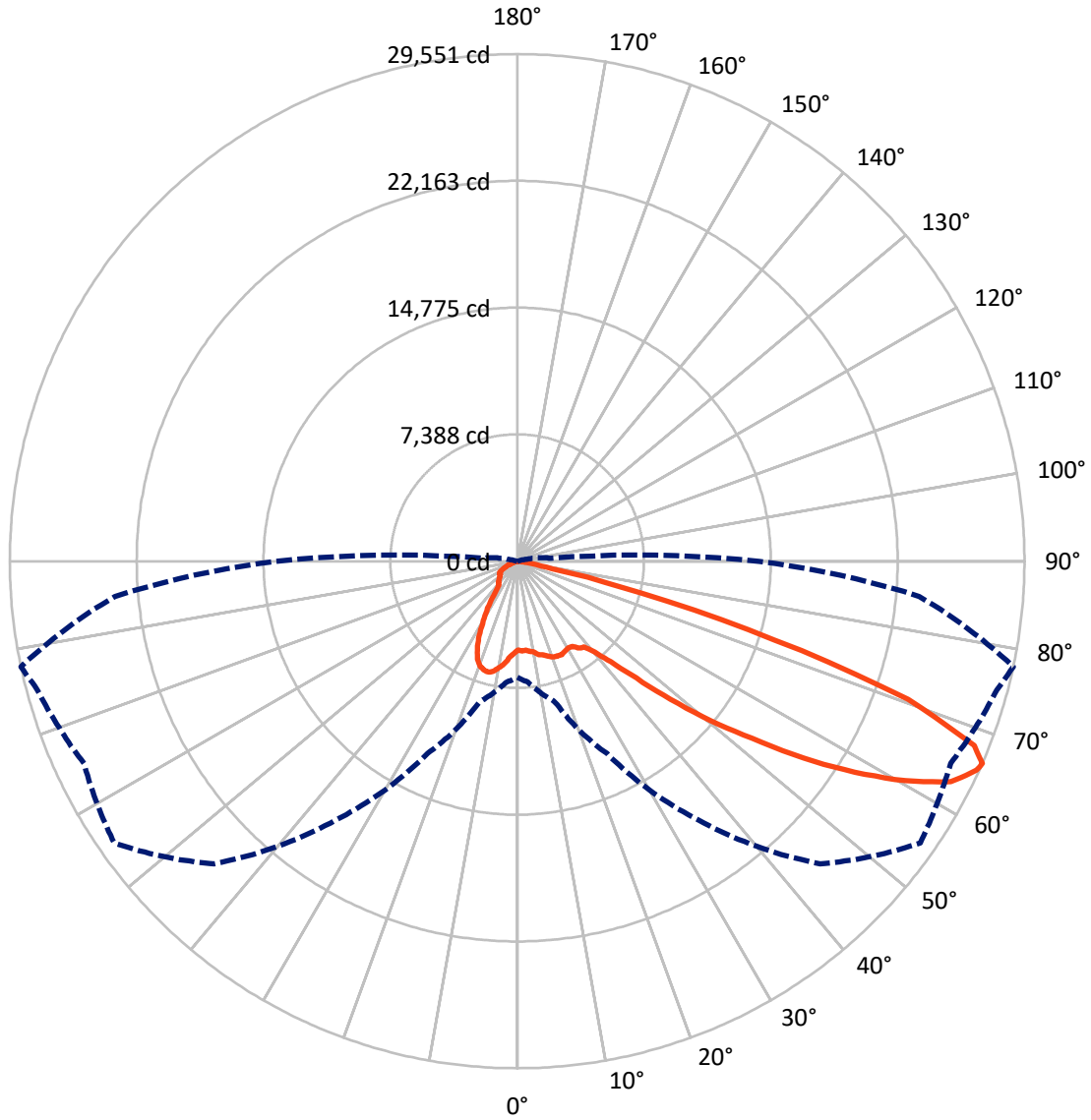
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.6 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	2272.6	0.0	2272.6
	% Fixture	7.0	0.0	7.0
<b>Street Side</b>	Lumens	30052.7	0.0	30052.7
	% Fixture	93.0	0.0	93.0
<b>Total</b>	Lumens	32325.3	0.0	32325.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	473.7	1.5
10°-20°	1069.2	3.3
20°-30°	1528.3	4.7
30°-40°	2616.0	8.1
40°-50°	4721.5	14.6
50°-60°	8074.4	25.0
60°-70°	9938.2	30.7
70°-80°	3757.2	11.6
80°-90°	146.8	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°	32325.3	100.0
0°-180°	32325.3	100.0

**Coefficient of Utilization**

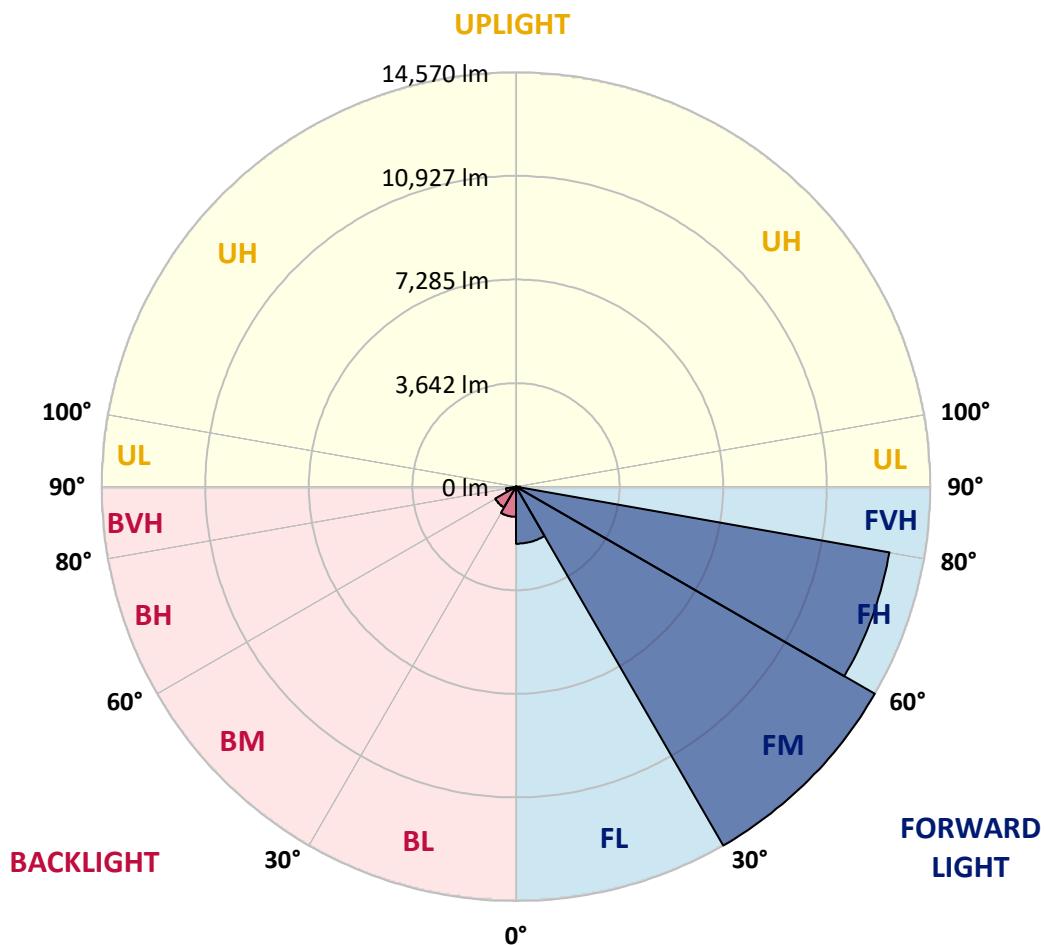


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2006.8	6.2			
FM (30°-60°)	14569.7	45.1			
FH (60°-80°)	13335.4	41.3			G5
FVH (80°-90°)	140.9	0.4			G2/225
BL (0°-30°)	1064.4	3.3	B3/2500		
BM (30°-60°)	842.3	2.6	B1/1000		
BH (60°-80°)	360.1	1.1	B1/500		G1/500
BVH (80°-90°)	5.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	5177.5	5177.5	5177.5	5177.5	5177.5	5177.5	5177.5	5177.5	5177.5	5177.5	5177.5
2.5°	4762.3	4718.3	4762.3	4825.8	4860.0	4889.3	4991.9	5079.8	5172.6	5236.1	5216.5
5°	4415.5	4498.5	4508.3	4527.8	4581.6	4757.4	4816.0	4967.4	5197.0	5216.5	5304.5
7.5°	4142.0	4117.5	4181.0	4308.0	4444.8	4547.4	4718.3	4982.1	5221.4	5304.5	5475.4
10°	3746.3	3795.2	3863.6	3990.6	4156.6	4410.6	4713.4	5006.5	5348.4	5377.7	5695.2
12.5°	3531.4	3482.6	3590.0	3721.9	4005.2	4239.7	4610.9	4962.5	5426.6	5587.8	5954.1
15°	3355.6	3380.0	3482.6	3570.5	3804.9	4102.9	4537.6	5070.0	5558.4	5670.8	6227.6
17.5°	3282.3	3267.7	3345.8	3433.7	3721.9	4058.9	4508.3	5074.9	5675.7	5822.2	6413.2
20°	3316.5	3345.8	3321.4	3404.4	3585.1	3927.1	4552.3	5167.7	5763.6	5963.8	6613.5
22.5°	3853.8	3814.7	3619.3	3463.0	3472.8	3873.3	4518.1	5226.3	5841.7	6002.9	6750.2
25°	5255.6	5045.6	4562.0	3961.2	3565.6	3726.8	4479.0	5206.8	5827.1	6027.3	6833.3
27.5°	6667.2	6486.5	6012.7	5079.8	3941.7	3668.2	4342.2	5221.4	5753.8	5939.4	6696.5
30°	8156.9	8254.6	7551.3	6442.5	4928.4	3990.6	4254.3	5143.3	5705.0	5861.3	6725.8
32.5°	9685.8	9646.7	9221.7	8020.2	6339.9	4703.7	4396.0	5221.4	5768.5	5919.9	6896.8
35°	10882.4	10745.7	10315.8	9231.5	7507.3	5778.2	4884.4	5592.6	6046.9	6227.6	7141.0
37.5°	11473.5	11532.1	11283.0	10340.3	8787.0	6774.7	5494.9	5592.6	6134.8	6344.8	7536.6
40°	11932.6	12108.4	12015.6	11712.8	10057.0	7898.1	6169.0	5939.4	6579.3	6974.9	8279.1
42.5°	12484.5	12401.5	12948.5	12670.1	11717.7	9314.5	7351.0	6764.9	7629.4	8010.4	9392.7
45°	12777.6	13095.1	13510.2	13866.8	13256.3	11082.7	8894.5	8225.3	9236.4	9720.0	11048.5
47.5°	13529.8	13656.8	14330.8	14780.2	14506.7	13104.8	11239.0	10359.8	11258.5	12020.5	12943.7
50°	13969.4	13798.4	14741.1	15424.9	15581.2	14780.2	13339.3	12655.5	13661.7	14633.7	14716.7
52.5°	13583.5	14072.0	15014.6	16240.6	16675.3	16274.8	15805.9	15508.0	16216.2	17114.9	16714.4
55°	12230.5	12562.7	14858.3	17134.5	18536.3	18350.7	18785.4	18590.0	19303.1	20255.6	19049.2
57.5°	11141.3	11556.5	13573.7	17598.5	20270.3	20817.3	21364.4	21242.2	22101.9	23200.9	21027.3
60°	10462.4	10701.7	12645.7	17481.3	21296.0	23367.0	24602.7	23743.1	25144.9	25985.0	22575.7
62.5°	9285.2	9436.7	11292.7	15928.0	21603.7	25169.3	27264.7	26097.3	27313.6	28339.3	23689.3
65°	7443.8	7854.1	9387.8	13603.0	19571.8	25501.4	28925.4	27552.9	28730.0	29404.1	24026.4
66°	6774.7	7072.6	8479.3	12372.2	18414.2	24949.5	28647.0	27855.7	28935.2	29550.6	23508.6
67.5°	5621.9	5880.8	6999.3	10618.7	16045.2	23733.3	28842.4	27650.6	29091.5	28715.4	22815.0
70°	3721.9	3888.0	4786.7	7180.1	11175.5	19415.5	26751.8	26048.5	25574.7	24163.1	17837.8
72.5°	1738.8	1978.2	2989.3	4352.0	6554.9	13583.5	21813.7	20871.0	17935.5	15678.9	11253.7
75°	786.4	893.8	1641.2	2495.9	2940.4	7038.4	14072.0	12709.2	8928.7	7414.5	4928.4
77.5°	424.9	483.6	801.0	1186.9	1069.7	2466.6	6965.2	5792.9	2813.4	2061.2	1431.1
80°	327.3	385.9	669.2	678.9	395.6	639.9	2588.7	1792.6	703.4	532.4	341.9
82.5°	171.0	244.2	527.5	439.6	200.3	258.9	801.0	498.2	219.8	175.8	146.5
85°	68.4	107.5	297.9	293.1	117.2	87.9	224.7	151.4	87.9	73.3	68.4
87.5°	4.9	4.9	161.2	112.3	73.3	24.4	34.2	34.2	44.0	39.1	48.8
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°	5177.5	5177.5	5177.5	5177.5	5177.5	5177.5	5177.5	5177.5	5177.5	5177.5	5177.5
2.5°	5304.5	5363.1	5372.8	5534.0	5568.2	5534.0	5621.9	5607.3	5646.4	5617.1	5563.3
5°	5426.6	5509.6	5670.8	5792.9	5792.9	5695.2	5617.1	5514.5	5363.1	5324.0	5294.7
7.5°	5636.6	5900.4	6046.9	5968.7	5812.4	5446.1	4938.1	4566.9	4254.3	4137.1	4083.4
10°	6007.8	6154.3	6325.3	6007.8	5358.2	4581.6	3726.8	3165.1	2725.5	2627.8	2554.5
12.5°	6247.1	6481.6	6579.3	5792.9	4518.1	3360.5	2432.4	1797.5	1489.7	1255.3	1216.2
15°	6559.7	6828.4	6628.1	5211.7	3560.7	2202.9	1260.2	786.4	639.9	600.8	600.8
17.5°	6774.7	7067.7	6427.9	4488.8	2525.2	1172.3	625.2	542.2	532.4	537.3	527.5
20°	7150.8	7326.6	6125.0	3648.6	1509.3	600.8	503.1	483.6	473.8	488.4	478.7
22.5°	7292.4	7453.6	5631.7	2642.5	678.9	400.5	376.1	361.4	371.2	366.3	361.4
25°	7282.6	7365.7	4820.9	1514.2	200.3	156.3	141.6	141.6	131.9	136.8	131.9
27.5°	7355.9	7150.8	3912.4	449.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	7395.0	6804.0	2784.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	7414.5	6623.2	1792.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	7565.9	6261.8	766.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	7668.5	5797.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	8093.4	5651.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	8645.4	5377.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	9412.2	4972.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	10428.2	4733.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	11185.3	4356.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	12147.5	4132.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	13290.4	4142.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	14330.8	4073.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	14863.2	3482.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	14750.9	2818.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	14360.1	2212.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	14091.5	1958.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	13275.8	1567.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	10565.0	1074.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	6720.9	659.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	3096.7	302.8	9.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	972.0	185.6	39.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	254.0	117.2	39.1	4.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	131.9	83.0	34.2	14.7	9.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	83.0	34.2	14.7	9.8	9.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	73.3	19.5	9.8	9.8	4.9	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)