

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: P482814

Luminaire Tested: **IFLD-S-SA6C-735-U-T3R-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P482814  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-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

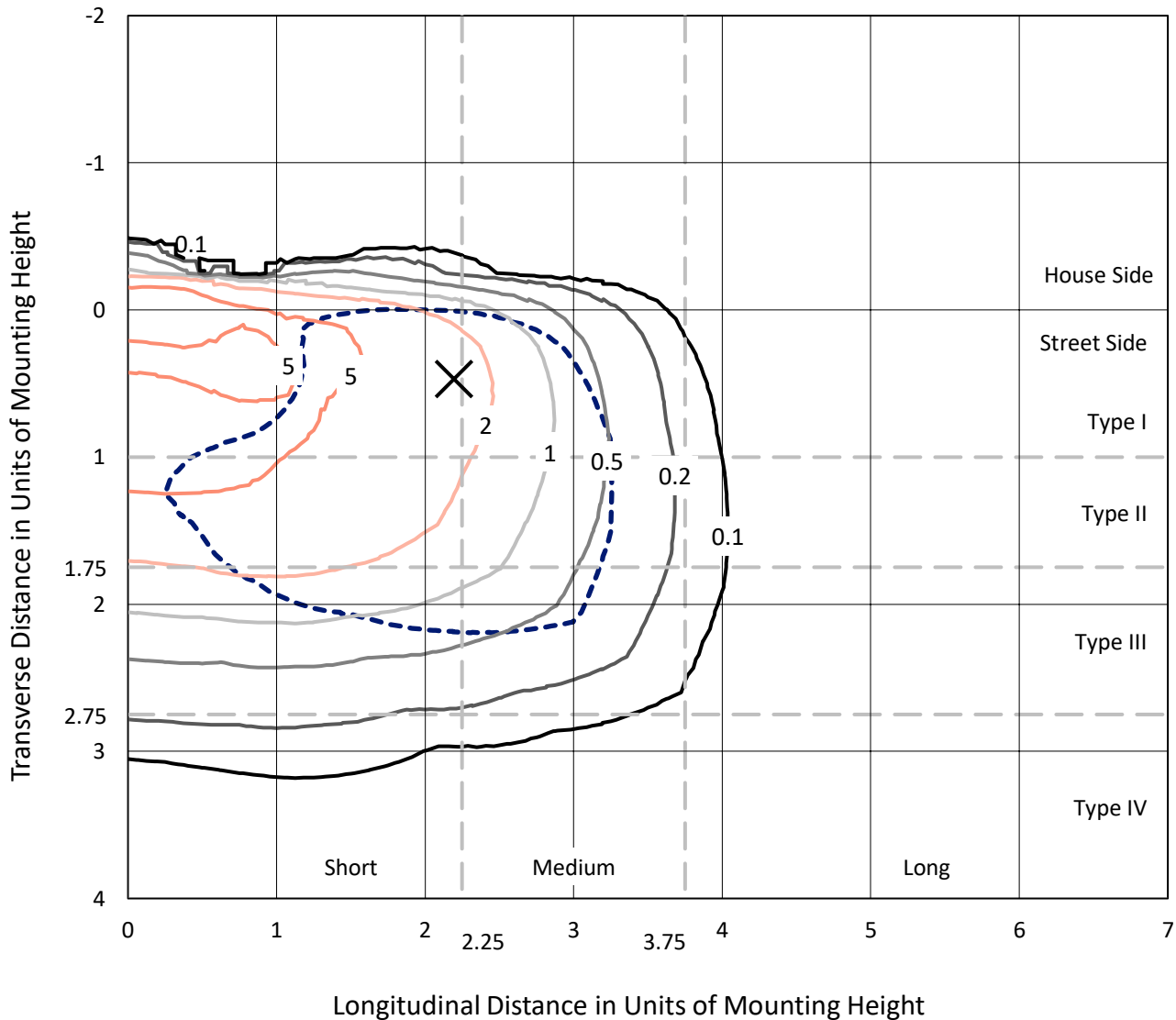
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29377.1 lumens  
Efficiency: N/A  
Efficacy: 91.4 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

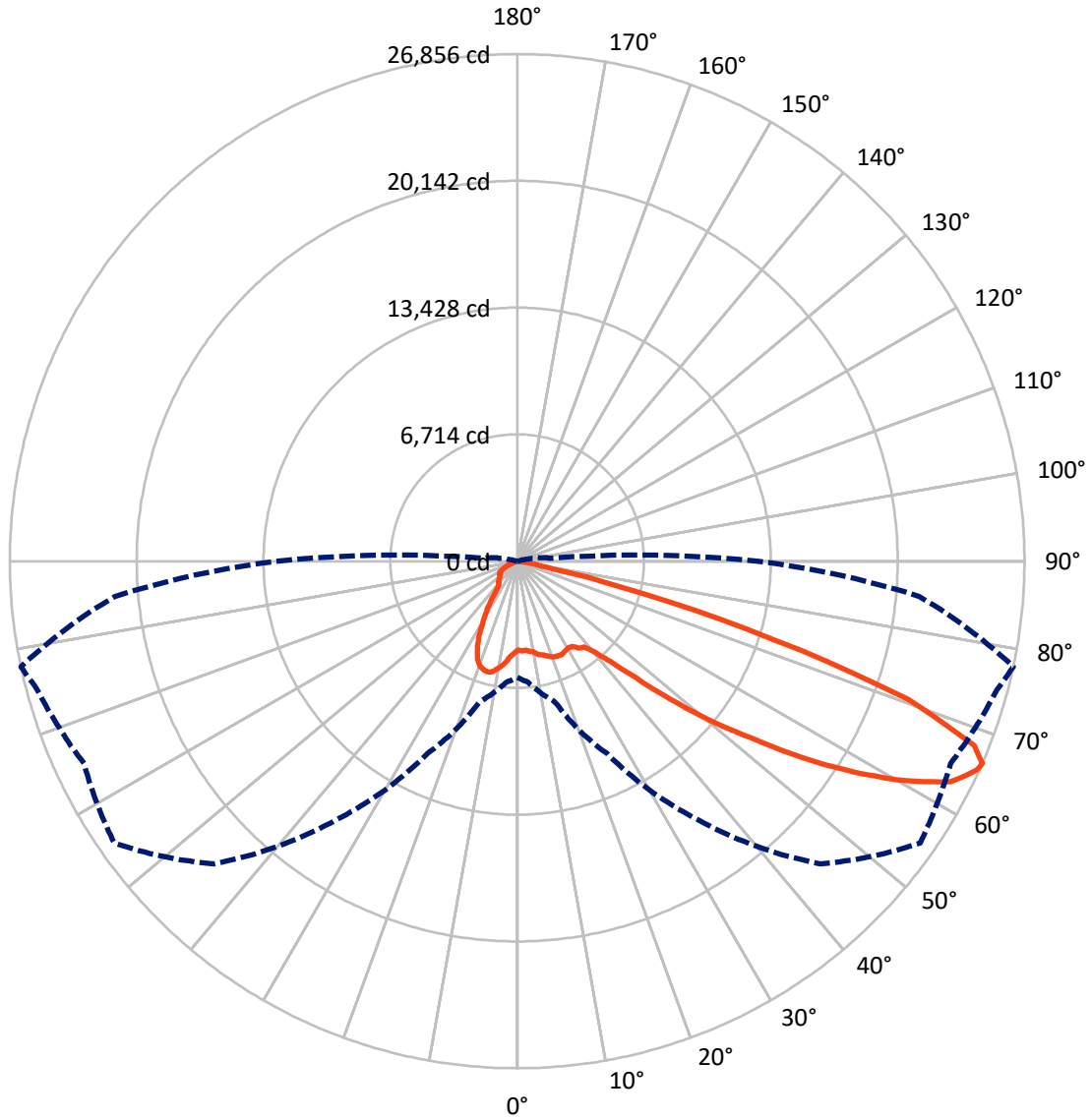
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 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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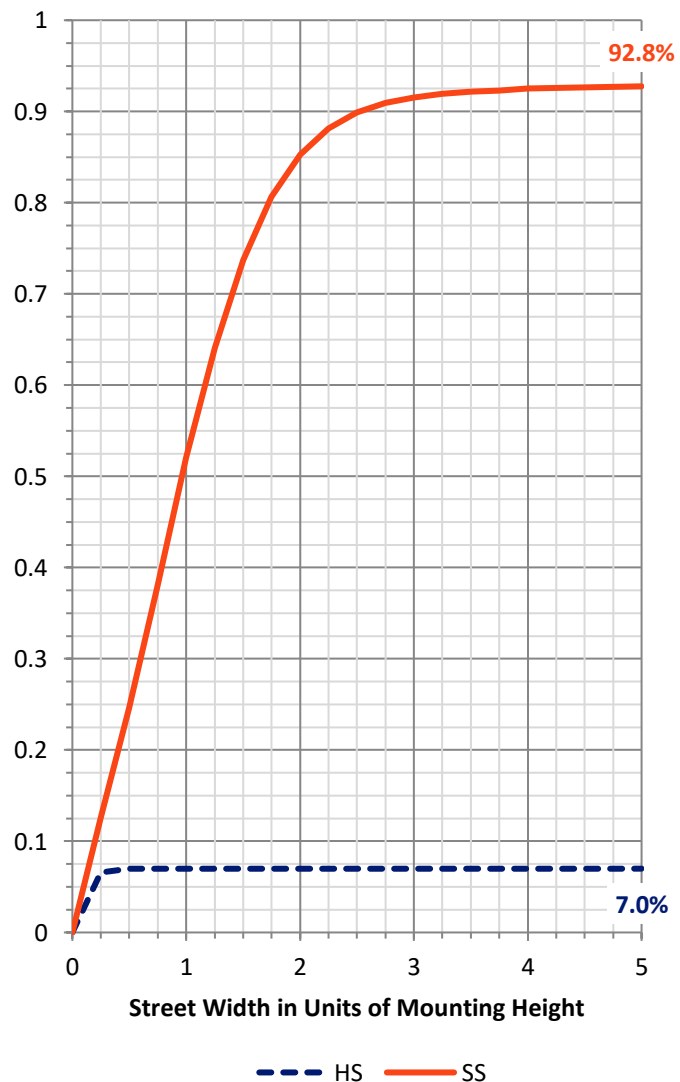
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2065.3	0.0	2065.3
	% Fixture	7.0	0.0	7.0
<b>Street Side</b>	Lumens	27311.8	0.0	27311.8
	% Fixture	93.0	0.0	93.0
<b>Total</b>	Lumens	29377.1	0.0	29377.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	430.5	1.5
10°-20°	971.7	3.3
20°-30°	1388.9	4.7
30°-40°	2377.4	8.1
40°-50°	4290.9	14.6
50°-60°	7338.0	25.0
60°-70°	9031.8	30.7
70°-80°	3414.5	11.6
80°-90°	133.4	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°	29377.1	100.0
0°-180°	29377.1	100.0

**Coefficient of Utilization**

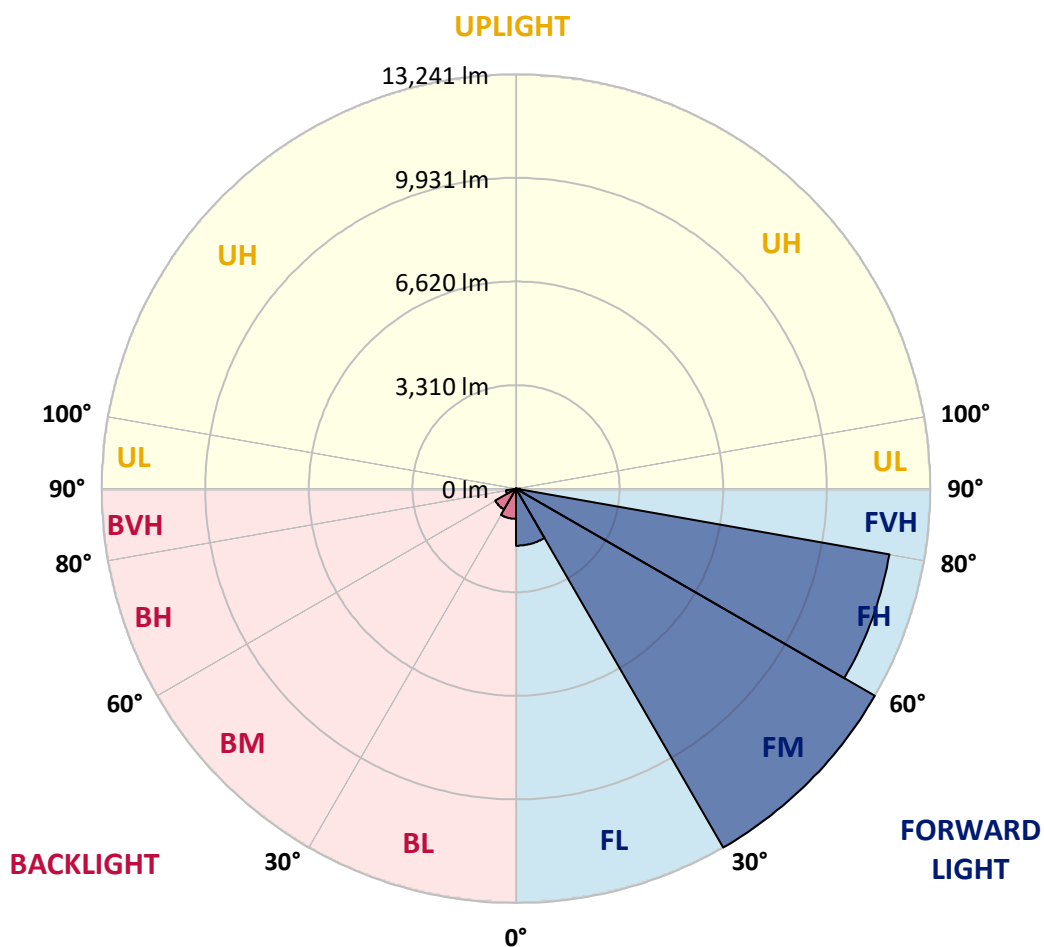


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1823.7	6.2			
FM (30°-60°)	13240.9	45.1			
FH (60°-80°)	12119.1	41.3			G5
FVH (80°-90°)	128.0	0.4			G2/225
BL (0°-30°)	967.3	3.3	B2/1000		
BM (30°-60°)	765.5	2.6	B1/1000		
BH (60°-80°)	327.2	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°	4705.3	4705.3	4705.3	4705.3	4705.3	4705.3	4705.3	4705.3	4705.3	4705.3	4705.3
2.5°	4327.9	4288.0	4327.9	4385.7	4416.7	4443.4	4536.6	4616.5	4700.8	4758.5	4740.8
5°	4012.8	4088.2	4097.1	4114.9	4163.7	4323.5	4376.8	4514.4	4723.0	4740.8	4820.7
7.5°	3764.2	3742.0	3799.7	3915.1	4039.4	4132.6	4288.0	4527.7	4745.2	4820.7	4976.0
10°	3404.7	3449.0	3511.2	3626.6	3777.5	4008.3	4283.6	4549.9	4860.6	4887.3	5175.8
12.5°	3209.3	3165.0	3262.6	3382.5	3639.9	3853.0	4190.3	4509.9	4931.6	5078.1	5411.0
15°	3049.5	3071.7	3165.0	3244.9	3457.9	3728.7	4123.8	4607.6	5051.5	5153.6	5659.6
17.5°	2983.0	2969.6	3040.7	3120.6	3382.5	3688.7	4097.1	4612.0	5158.0	5291.2	5828.3
20°	3014.0	3040.7	3018.5	3093.9	3258.2	3568.9	4137.1	4696.4	5237.9	5419.9	6010.3
22.5°	3502.3	3466.8	3289.2	3147.2	3156.1	3520.1	4106.0	4749.6	5308.9	5455.4	6134.6
25°	4776.3	4585.4	4146.0	3600.0	3240.4	3386.9	4070.5	4731.9	5295.6	5477.6	6210.1
27.5°	6059.1	5894.9	5464.3	4616.5	3582.2	3333.6	3946.2	4745.2	5229.0	5397.7	6085.8
30°	7413.0	7501.8	6862.6	5854.9	4478.9	3626.6	3866.3	4674.2	5184.7	5326.7	6112.4
32.5°	8802.4	8766.9	8380.7	7288.7	5761.7	4274.7	3995.0	4745.2	5242.4	5380.0	6267.8
35°	9889.9	9765.6	9375.0	8389.6	6822.6	5251.2	4438.9	5082.6	5495.4	5659.6	6489.7
37.5°	10427.0	10480.3	10253.9	9397.2	7985.6	6156.8	4993.8	5082.6	5575.3	5766.2	6849.3
40°	10844.3	11004.1	10919.7	10644.5	9139.7	7177.7	5606.4	5397.7	5979.2	6338.8	7524.0
42.5°	11345.9	11270.4	11767.6	11514.6	10649.0	8465.0	6680.6	6147.9	6933.6	7279.8	8536.0
45°	11612.2	11900.7	12278.1	12602.1	12047.2	10071.9	8083.3	7475.1	8394.0	8833.5	10040.8
47.5°	12295.8	12411.2	13023.8	13432.2	13183.6	11909.6	10214.0	9415.0	10231.7	10924.2	11763.1
50°	12695.3	12540.0	13396.7	14018.1	14160.2	13432.2	12122.7	11501.2	12415.7	13299.0	13374.5
52.5°	12344.6	12788.5	13645.2	14759.4	15154.5	14790.5	14364.3	14093.6	14737.2	15554.0	15190.0
55°	11115.1	11416.9	13503.2	15571.7	16845.7	16677.0	17072.1	16894.5	17542.6	18408.2	17311.8
57.5°	10125.2	10502.5	12335.8	15993.4	18421.5	18918.7	19415.8	19304.9	20086.1	21084.9	19109.6
60°	9508.2	9725.7	11492.4	15886.9	19353.7	21235.8	22358.8	21577.6	22851.6	23615.1	20516.7
62.5°	8438.4	8576.0	10262.8	14475.3	19633.3	22873.8	24778.1	23717.2	24822.4	25754.6	21528.8
65°	6764.9	7137.8	8531.6	12362.4	17786.8	23175.6	26287.3	25040.0	26109.7	26722.3	21835.1
66°	6156.8	6427.6	7706.0	11243.8	16734.7	22674.0	26034.3	25315.2	26296.2	26855.5	21364.5
67.5°	5109.2	5344.5	6361.0	9650.2	14581.9	21568.7	26211.8	25128.7	26438.2	26096.4	20734.2
70°	3382.5	3533.4	4350.1	6525.2	10156.3	17644.7	24312.0	23672.8	23242.2	21959.3	16210.9
72.5°	1580.3	1797.8	2716.6	3955.1	5957.0	12344.6	19824.2	18967.5	16299.7	14248.9	10227.3
75°	714.7	812.3	1491.5	2268.3	2672.2	6396.5	12788.5	11550.1	8114.3	6738.3	4478.9
77.5°	386.2	439.5	728.0	1078.7	972.1	2241.7	6329.9	5264.6	2556.8	1873.2	1300.6
80°	297.4	350.7	608.1	617.0	359.6	581.5	2352.6	1629.1	639.2	483.8	310.7
82.5°	155.4	221.9	479.4	399.5	182.0	235.3	728.0	452.8	199.8	159.8	133.2
85°	62.1	97.7	270.8	266.3	106.5	79.9	204.2	137.6	79.9	66.6	62.1
87.5°	4.4	4.4	146.5	102.1	66.6	22.2	31.1	31.1	40.0	35.5	44.4
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°	4705.3	4705.3	4705.3	4705.3	4705.3	4705.3	4705.3	4705.3	4705.3	4705.3	4705.3
2.5°	4820.7	4873.9	4882.8	5029.3	5060.4	5029.3	5109.2	5095.9	5131.4	5104.8	5055.9
5°	4931.6	5007.1	5153.6	5264.6	5264.6	5175.8	5104.8	5011.5	4873.9	4838.4	4811.8
7.5°	5122.5	5362.2	5495.4	5424.4	5282.3	4949.4	4487.7	4150.4	3866.3	3759.8	3710.9
10°	5459.9	5593.0	5748.4	5459.9	4869.5	4163.7	3386.9	2876.4	2476.9	2388.1	2321.6
12.5°	5677.4	5890.4	5979.2	5264.6	4106.0	3054.0	2210.6	1633.5	1353.9	1140.8	1105.3
15°	5961.5	6205.6	6023.6	4736.3	3236.0	2002.0	1145.2	714.7	581.5	546.0	546.0
17.5°	6156.8	6423.1	5841.6	4079.4	2294.9	1065.3	568.2	492.7	483.8	488.3	479.4
20°	6498.6	6658.4	5566.4	3315.9	1371.6	546.0	457.2	439.5	430.6	443.9	435.0
22.5°	6627.3	6773.8	5118.1	2401.5	617.0	364.0	341.8	328.5	337.4	332.9	328.5
25°	6618.4	6693.9	4381.2	1376.1	182.0	142.0	128.7	128.7	119.9	124.3	119.9
27.5°	6685.0	6498.6	3555.6	408.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	6720.5	6183.4	2530.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	6738.3	6019.2	1629.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	6875.9	5690.7	696.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	6969.1	5269.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	7355.3	5135.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	7856.9	4887.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	8553.8	4518.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	9477.1	4301.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	10165.1	3959.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	11039.6	3755.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	12078.3	3764.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	13023.8	3702.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	13507.6	3165.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	13405.5	2561.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	13050.4	2010.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	12806.3	1780.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	12065.0	1424.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	9601.4	976.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	6108.0	599.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	2814.3	275.2	8.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	883.3	168.7	35.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	230.8	106.5	35.5	4.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	119.9	75.5	31.1	13.3	8.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	75.5	31.1	13.3	8.9	8.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	66.6	17.8	8.9	8.9	4.4	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)