

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: P482813

Luminaire Tested: **IFLD-S-SA6B-735-U-T3R-HSS**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P482813  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-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**

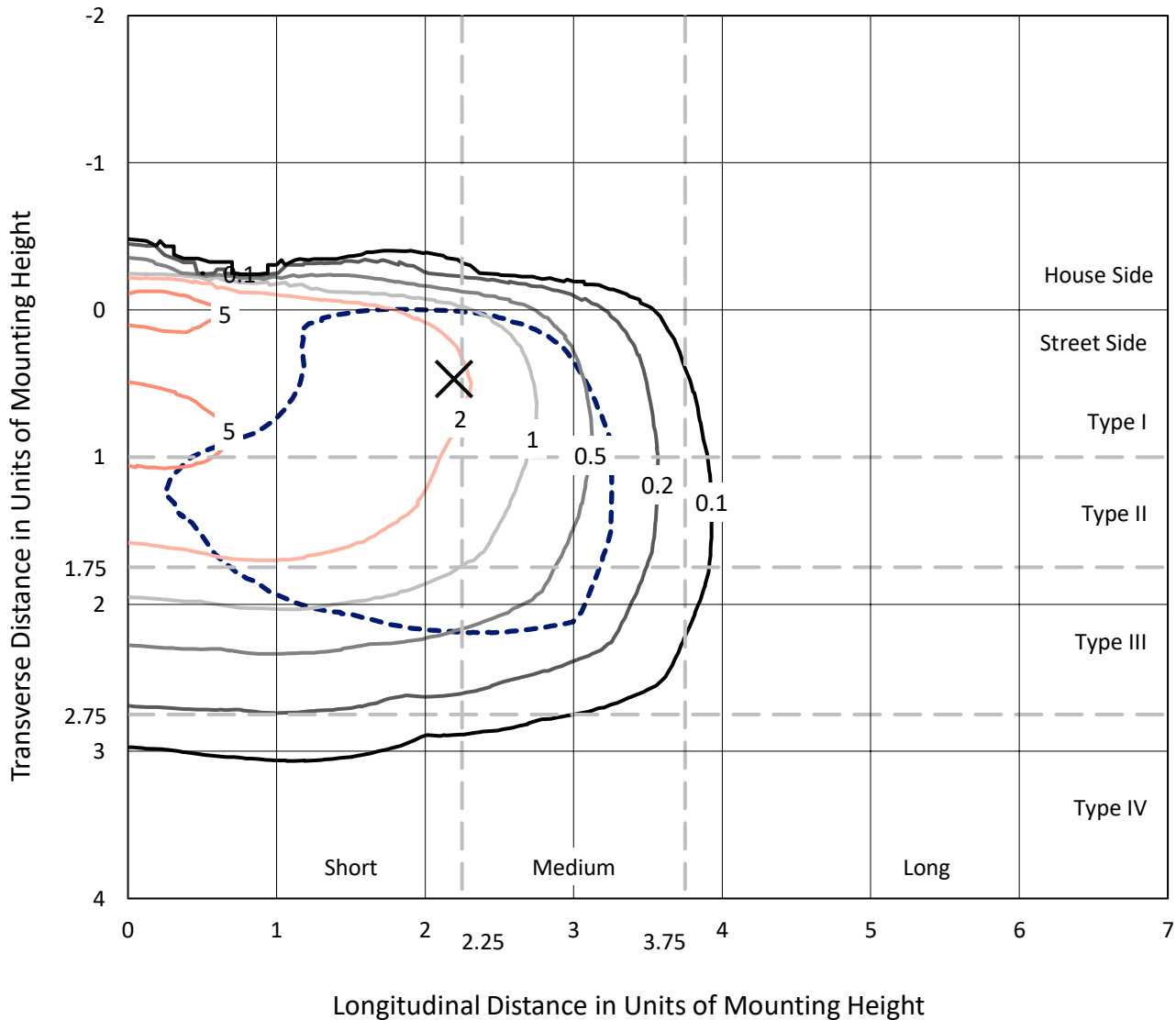
Lumens per Lamp: N/A  
Luminaire Lumens: 23599.4 lumens  
Efficiency: N/A  
Efficacy: 96.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B2 - U0 - G4

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

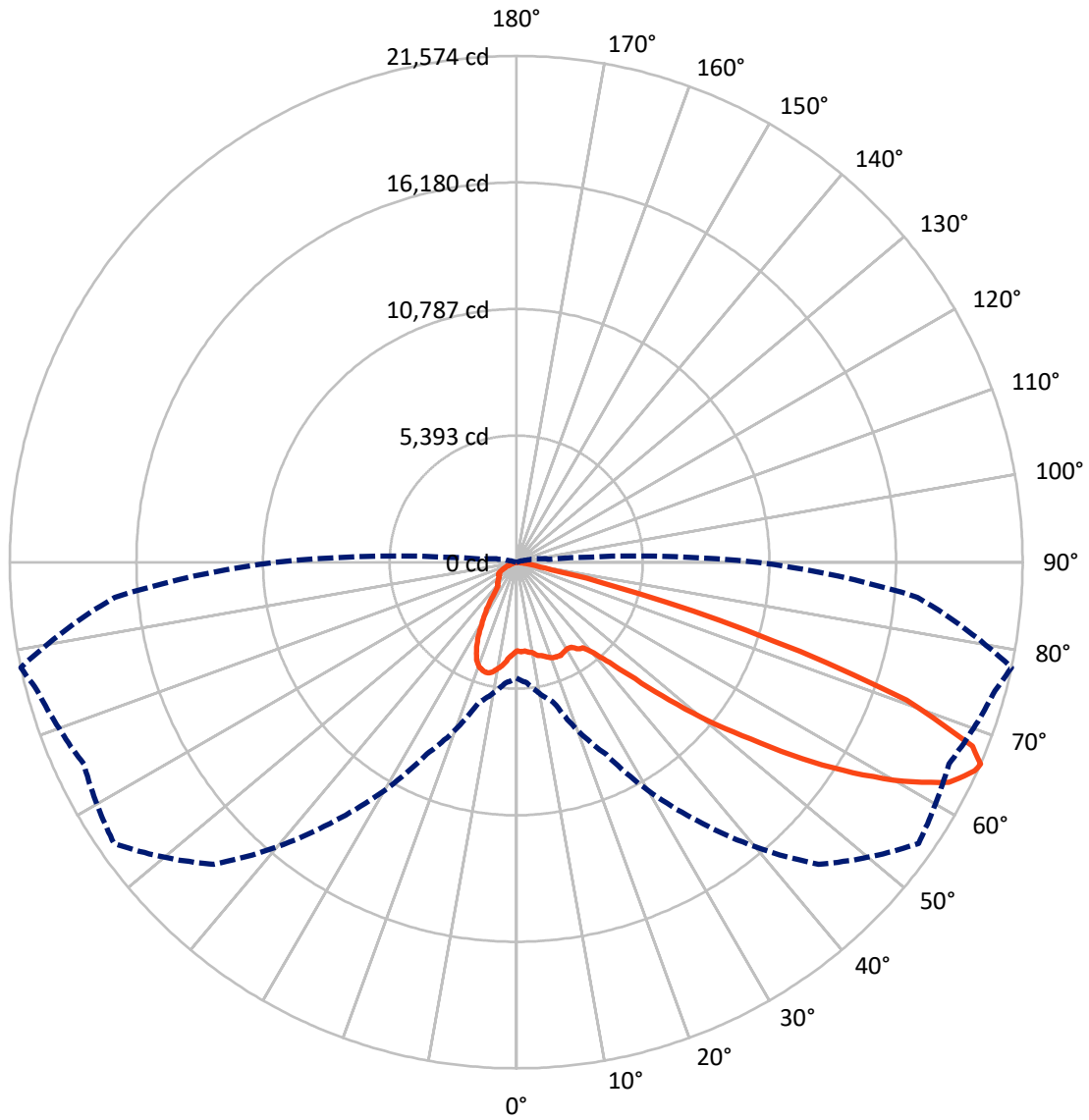
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 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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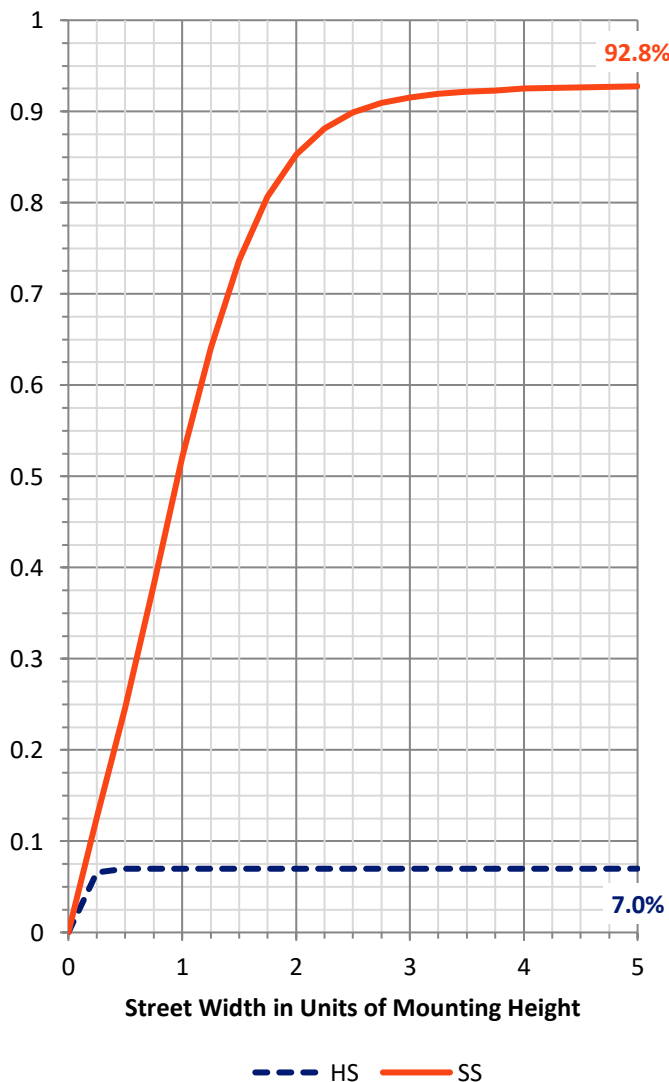
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1659.1	0.0	1659.1
	% Fixture	7.0	0.0	7.0
<b>Street Side</b>	Lumens	21940.3	0.0	21940.3
	% Fixture	93.0	0.0	93.0
<b>Total</b>	Lumens	23599.4	0.0	23599.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	345.8	1.5
10°-20°	780.6	3.3
20°-30°	1115.7	4.7
30°-40°	1909.8	8.1
40°-50°	3447.0	14.6
50°-60°	5894.8	25.0
60°-70°	7255.5	30.7
70°-80°	2743.0	11.6
80°-90°	107.1	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°	23599.4	100.0
0°-180°	23599.4	100.0

**Coefficient of Utilization**

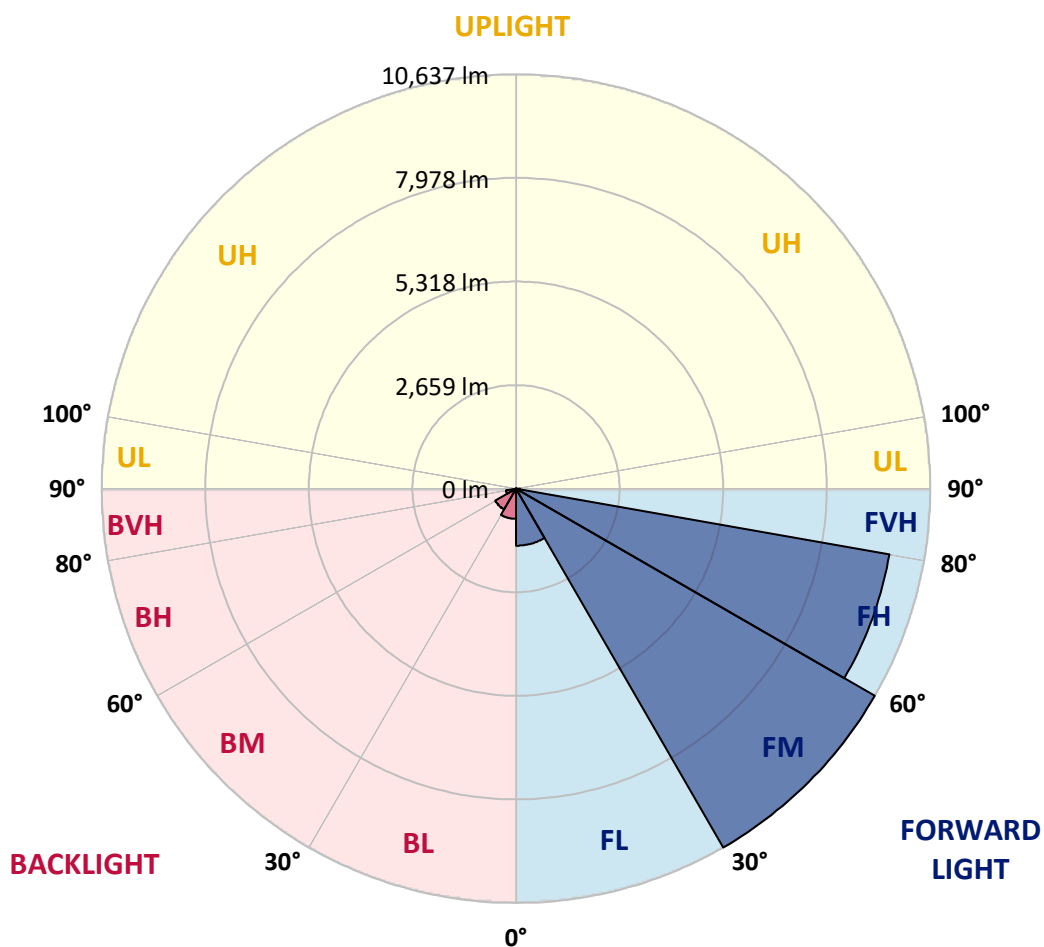


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1465.1	6.2			
FM (30°-60°)	10636.7	45.1			
FH (60°-80°)	9735.6	41.3			G4/12000
FVH (80°-90°)	102.8	0.4			G2/225
BL (0°-30°)	777.0	3.3	B2/1000		
BM (30°-60°)	614.9	2.6	B1/1000		
BH (60°-80°)	262.9	1.1	B1/500		G1/500
BVH (80°-90°)	4.3	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	3779.9	3779.9	3779.9	3779.9	3779.9	3779.9	3779.9	3779.9	3779.9	3779.9	3779.9
2.5°	3476.8	3444.7	3476.8	3523.1	3548.1	3569.5	3644.4	3708.5	3776.3	3822.6	3808.4
5°	3223.6	3284.2	3291.3	3305.6	3344.8	3473.2	3516.0	3626.5	3794.1	3808.4	3872.6
7.5°	3023.9	3006.1	3052.4	3145.1	3245.0	3319.9	3444.7	3637.2	3811.9	3872.6	3997.4
10°	2735.0	2770.7	2820.6	2913.3	3034.6	3220.0	3441.1	3655.0	3904.7	3926.1	4157.8
12.5°	2578.1	2542.5	2620.9	2717.2	2924.0	3095.2	3366.2	3623.0	3961.7	4079.4	4346.8
15°	2449.8	2467.6	2542.5	2606.7	2777.8	2995.4	3312.7	3701.4	4058.0	4140.0	4546.5
17.5°	2396.3	2385.6	2442.6	2506.8	2717.2	2963.3	3291.3	3705.0	4143.6	4250.6	4682.0
20°	2421.2	2442.6	2424.8	2485.4	2617.4	2867.0	3323.4	3772.7	4207.8	4354.0	4828.2
22.5°	2813.5	2785.0	2642.3	2528.2	2535.4	2827.8	3298.5	3815.5	4264.8	4382.5	4928.1
25°	3836.9	3683.6	3330.6	2891.9	2603.1	2720.8	3269.9	3801.3	4254.1	4400.3	4988.7
27.5°	4867.5	4735.5	4389.6	3708.5	2877.7	2678.0	3170.1	3811.9	4200.6	4336.1	4888.9
30°	5955.1	6026.4	5512.9	4703.4	3598.0	2913.3	3105.9	3754.9	4165.0	4279.1	4910.2
32.5°	7071.2	7042.7	6732.4	5855.2	4628.5	3434.0	3209.3	3811.9	4211.3	4321.9	5035.1
35°	7944.8	7845.0	7531.2	6739.6	5480.8	4218.5	3565.9	4083.0	4414.6	4546.5	5213.3
37.5°	8376.3	8419.1	8237.2	7549.0	6415.1	4945.9	4011.6	4083.0	4478.8	4632.1	5502.2
40°	8711.5	8839.9	8772.1	8551.0	7342.2	5766.1	4503.7	4336.1	4803.3	5092.1	6044.2
42.5°	9114.4	9053.8	9453.2	9250.0	8554.6	6800.2	5366.7	4938.8	5569.9	5848.1	6857.2
45°	9328.4	9560.2	9863.3	10123.6	9677.9	8091.0	6493.5	6005.0	6743.1	7096.1	8066.1
47.5°	9877.5	9970.3	10462.4	10790.4	10590.7	9567.3	8205.1	7563.3	8219.4	8775.7	9449.6
50°	10198.5	10073.7	10761.9	11261.1	11375.2	10790.4	9738.5	9239.3	9973.8	10683.4	10744.1
52.5°	9916.8	10273.4	10961.6	11856.6	12174.0	11881.6	11539.3	11321.7	11838.8	12494.9	12202.5
55°	8929.0	9171.5	10847.5	12509.2	13532.6	13397.1	13714.5	13571.8	14092.4	14787.8	13907.0
57.5°	8133.8	8436.9	9909.6	12847.9	14798.5	15197.9	15597.3	15508.1	16135.7	16938.0	15351.2
60°	7638.2	7812.9	9232.1	12762.4	15547.3	17059.3	17961.5	17333.9	18357.3	18970.6	16481.6
62.5°	6778.8	6889.3	8244.4	11628.4	15772.0	18375.1	19904.9	19052.6	19940.5	20689.4	17294.6
65°	5434.4	5734.0	6853.7	9931.0	14288.6	18617.6	21117.3	20115.3	20974.6	21466.7	17540.7
66°	4945.9	5163.4	6190.4	9032.4	13443.5	18214.6	20914.0	20336.3	21124.4	21573.7	17162.7
67.5°	4104.4	4293.3	5109.9	7752.3	11714.0	17326.7	21056.7	20186.6	21238.5	20963.9	16656.3
70°	2717.2	2838.5	3494.6	5241.9	8158.8	14174.5	19530.4	19017.0	18671.1	17640.5	13022.7
72.5°	1269.5	1444.2	2182.3	3177.2	4785.4	9916.8	15925.3	15237.1	13094.0	11446.5	8215.8
75°	574.1	652.6	1198.1	1822.2	2146.7	5138.5	10273.4	9278.5	6518.5	5413.0	3598.0
77.5°	310.2	353.0	584.8	866.5	780.9	1800.8	5085.0	4229.2	2054.0	1504.8	1044.8
80°	238.9	281.7	488.5	495.7	288.8	467.1	1889.9	1308.7	513.5	388.7	249.6
82.5°	124.8	178.3	385.1	320.9	146.2	189.0	584.8	363.7	160.5	128.4	107.0
85°	49.9	78.4	217.5	214.0	85.6	64.2	164.0	110.5	64.2	53.5	49.9
87.5°	3.6	3.6	117.7	82.0	53.5	17.8	25.0	25.0	32.1	28.5	35.7
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°	3779.9	3779.9	3779.9	3779.9	3779.9	3779.9	3779.9	3779.9	3779.9	3779.9	3779.9
2.5°	3872.6	3915.4	3922.5	4040.2	4065.1	4040.2	4104.4	4093.7	4122.2	4100.8	4061.6
5°	3961.7	4022.3	4140.0	4229.2	4229.2	4157.8	4100.8	4025.9	3915.4	3886.8	3865.4
7.5°	4115.1	4307.6	4414.6	4357.5	4243.4	3976.0	3605.1	3334.1	3105.9	3020.3	2981.1
10°	4386.1	4493.0	4617.8	4386.1	3911.8	3344.8	2720.8	2310.7	1989.8	1918.5	1865.0
12.5°	4560.8	4732.0	4803.3	4229.2	3298.5	2453.3	1775.8	1312.3	1087.6	916.4	887.9
15°	4789.0	4985.1	4838.9	3804.8	2599.5	1608.2	920.0	574.1	467.1	438.6	438.6
17.5°	4945.9	5159.9	4692.7	3277.1	1843.6	855.8	456.4	395.8	388.7	392.2	385.1
20°	5220.5	5348.9	4471.6	2663.7	1101.9	438.6	367.3	353.0	345.9	356.6	349.5
22.5°	5323.9	5441.6	4111.5	1929.2	495.7	292.4	274.6	263.9	271.0	267.4	263.9
25°	5316.8	5377.4	3519.5	1105.4	146.2	114.1	103.4	103.4	96.3	99.8	96.3
27.5°	5370.2	5220.5	2856.3	328.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	5398.8	4967.3	2032.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	5413.0	4835.4	1308.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	5523.6	4571.5	559.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	5598.5	4232.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	5908.7	4125.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	6311.6	3926.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	6871.5	3630.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	7613.2	3455.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	8165.9	3180.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	8868.4	3016.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	9702.8	3023.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	10462.4	2974.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	10851.0	2542.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	10769.0	2057.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	10483.8	1615.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	10287.6	1429.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	9692.1	1144.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	7713.0	784.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	4906.7	481.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	2260.8	221.1	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	709.6	135.5	28.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	185.4	85.6	28.5	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	96.3	60.6	25.0	10.7	7.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	60.6	25.0	10.7	7.1	7.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	53.5	14.3	7.1	7.1	3.6	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)