

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: P482033

Luminaire Tested: **IFLD-S-SA6B-735-U-T2R-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P482033  
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-T2R-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens with House Side Shield  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

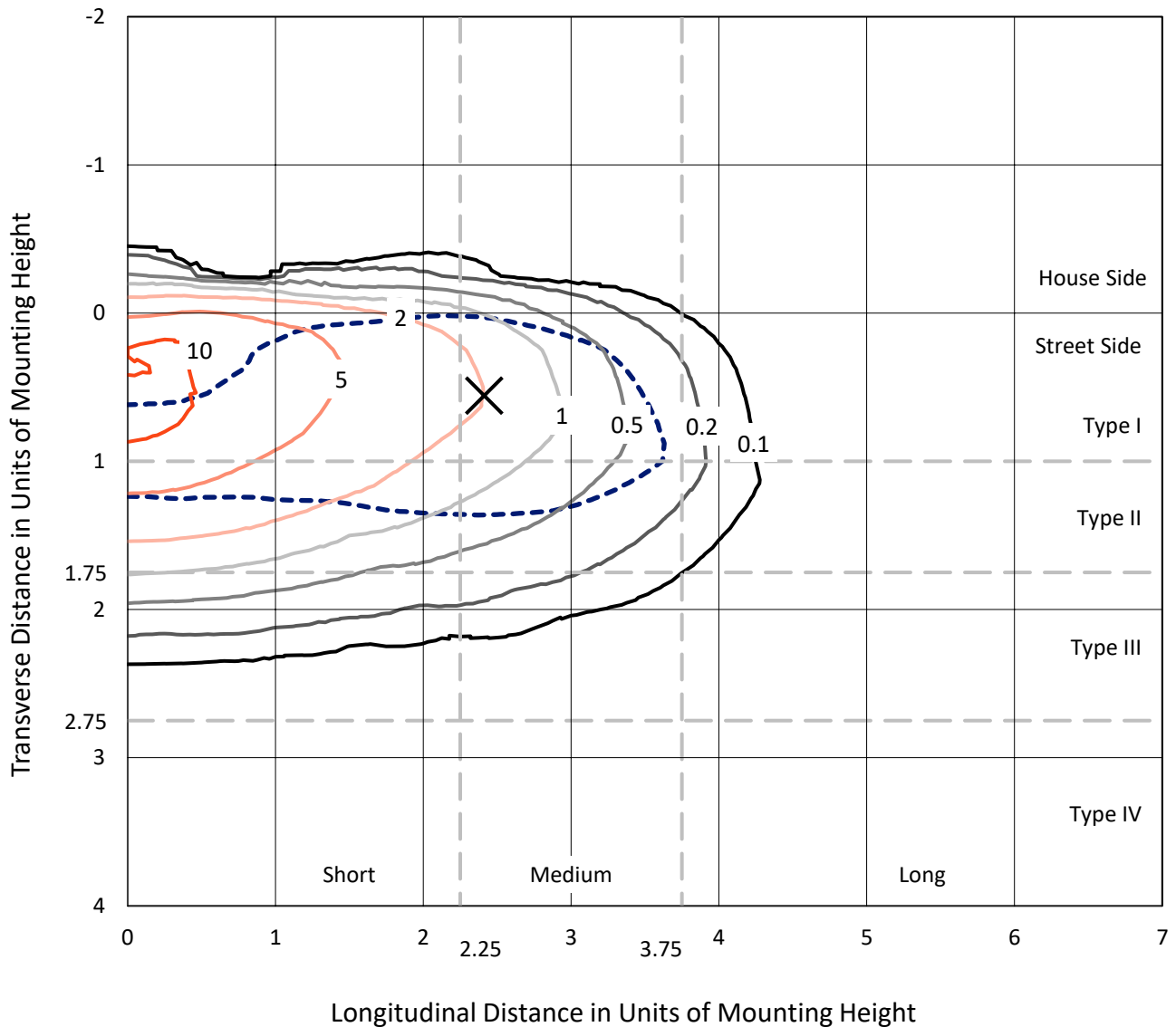
Lumens per Lamp: N/A  
Luminaire Lumens: 25883.8 lumens  
Efficiency: N/A  
Efficacy: 105.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G3

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

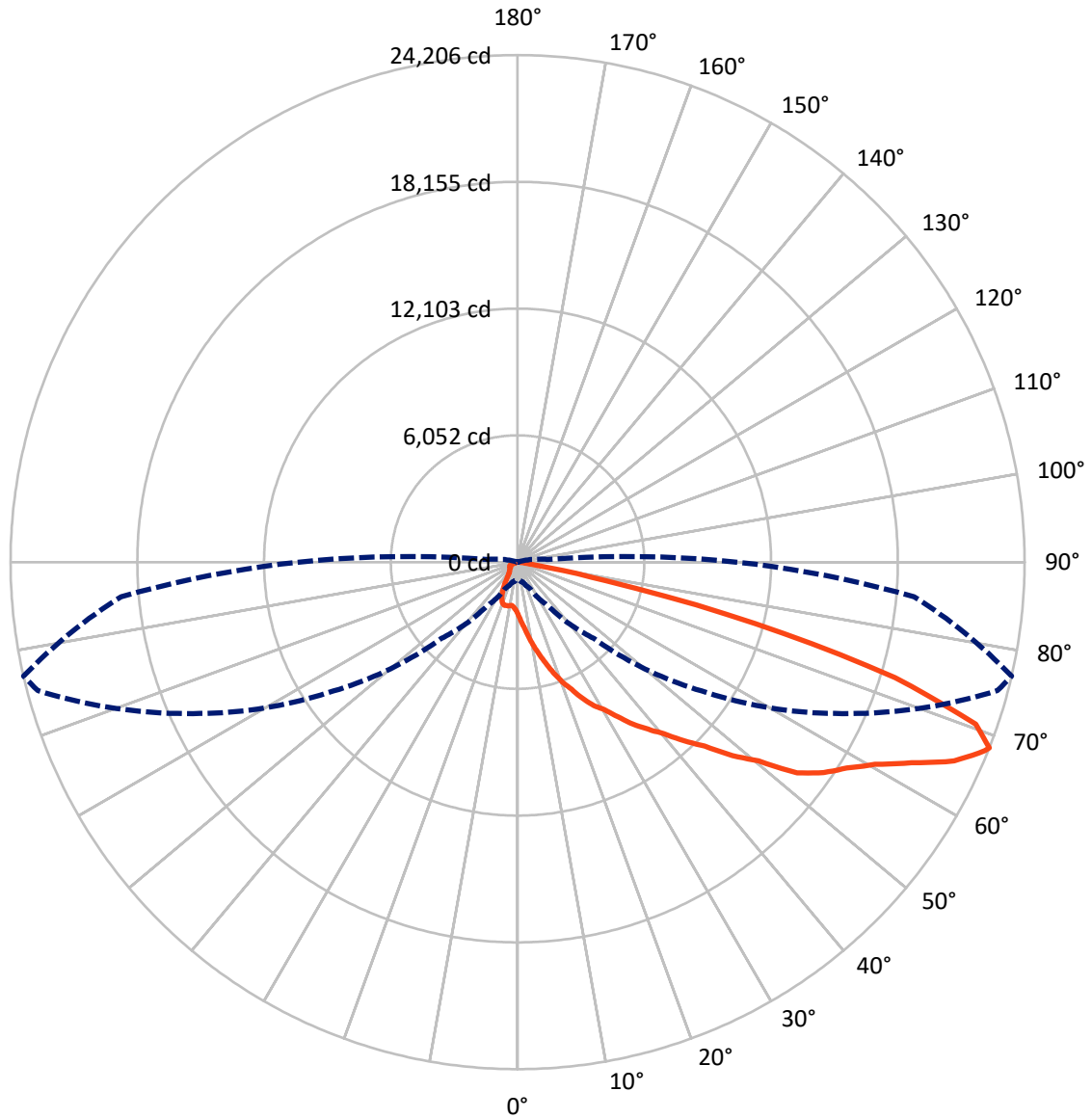
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 77-Deg Lateral      - - - Horizontal Cone Through 68-Deg Vertical

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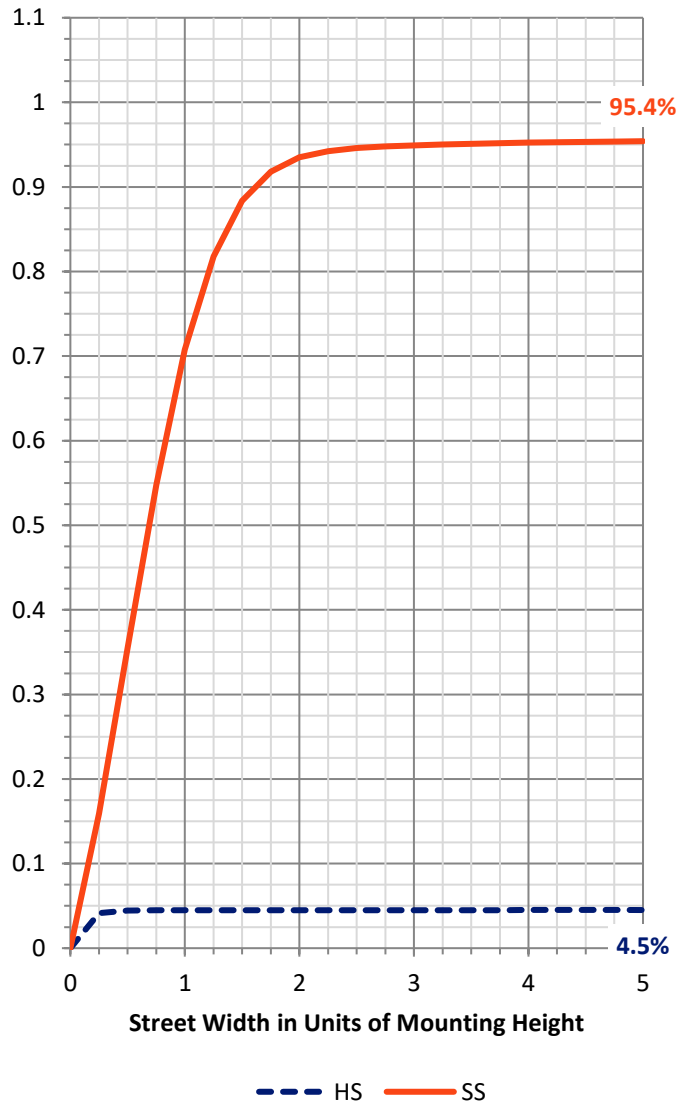
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1173.8	0.0	1173.8
	% Fixture	4.5	0.0	4.5
<b>Street Side</b>	Lumens	24710.0	0.0	24710.0
	% Fixture	95.5	0.0	95.5
<b>Total</b>	Lumens	25883.8	0.0	25883.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	289.5	1.1
10°-20°	1067.9	4.1
20°-30°	2069.5	8.0
30°-40°	3607.9	13.9
40°-50°	5284.1	20.4
50°-60°	6208.0	24.0
60°-70°	5242.1	20.3
70°-80°	2032.0	7.9
80°-90°	82.6	0.3
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°	25883.8	100.0
0°-180°	25883.8	100.0

**Coefficient of Utilization**



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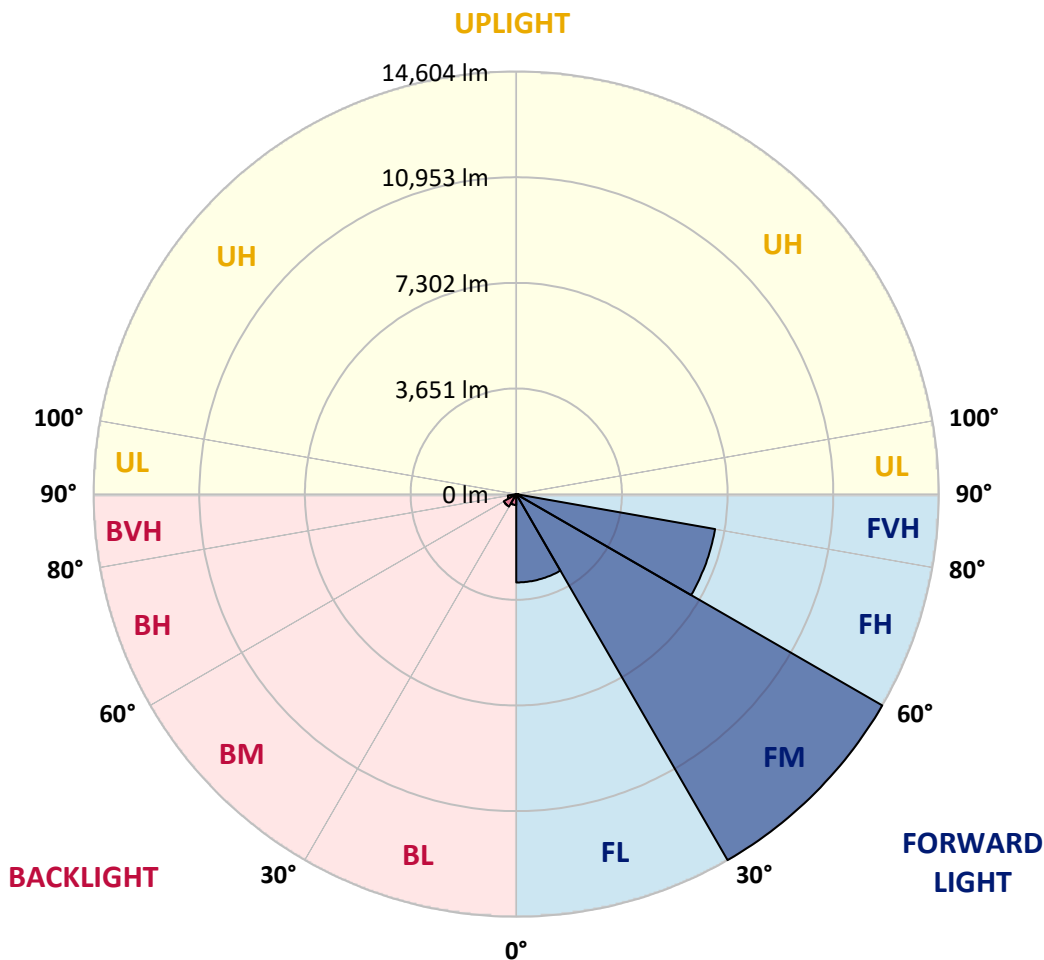
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3051.9	11.8			
FM (30°-60°)	14604.1	56.4			
FH (60°-80°)	6977.7	27.0			G3/7500
FVH (80°-90°)	76.2	0.3			G1/100
BL (0°-30°)	375.0	1.4	B1/500		
BM (30°-60°)	496.0	1.9	B1/1000		
BH (60°-80°)	296.4	1.1	B1/500		G1/500
BVH (80°-90°)	6.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G3**

Type II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2478.4	2478.4	2478.4	2478.4	2478.4	2478.4	2478.4	2478.4	2478.4	2478.4	2478.4
2.5°	3765.8	3694.4	3619.6	3598.2	3459.1	3302.2	3156.0	3013.3	2774.4	2778.0	2613.9
5°	4853.4	4764.3	4703.6	4689.4	4471.8	4200.8	3979.7	3576.8	3180.9	3091.8	2792.2
7.5°	5748.5	5720.0	5630.8	5555.9	5395.5	5063.8	4803.5	4225.8	3623.1	3523.3	3009.8
10°	6290.5	6333.3	6372.6	6276.3	6151.5	5912.5	5555.9	4931.9	4125.9	4001.1	3291.5
12.5°	6868.2	6796.9	6821.9	6900.3	6736.3	6682.8	6240.6	5659.3	4714.3	4475.4	3648.1
15°	7018.0	7046.5	7107.2	7335.4	7445.9	7292.6	6911.0	6247.7	5324.1	4992.5	3979.7
17.5°	7117.9	7103.6	7178.5	7520.8	7688.4	7834.6	7595.7	6903.9	5855.5	5559.5	4393.4
20°	7242.7	7164.2	7328.3	7545.8	7934.5	8241.2	8230.5	7563.6	6411.8	6098.0	4803.5
22.5°	7706.3	7645.6	7777.6	7799.0	8070.0	8497.9	8601.3	8102.1	6982.4	6597.2	5245.7
25°	8562.1	8672.7	8515.8	8380.3	8462.3	8744.0	8818.9	8580.0	7556.5	7203.4	5687.9
27.5°	9813.8	9799.5	9489.3	9314.6	9118.4	9082.8	9136.3	9025.7	8009.4	7756.2	6051.6
30°	11158.2	11040.5	10755.2	10334.5	9903.0	9635.5	9560.6	9446.5	8540.7	8173.4	6411.8
32.5°	12228.0	12292.2	11974.8	11425.7	10708.9	10348.7	9988.5	9863.7	9125.6	8801.0	6825.4
35°	13212.3	13126.7	12873.5	12409.9	11768.0	11186.7	10623.3	10355.9	9828.1	9507.1	7281.9
37.5°	13939.7	14046.7	13565.3	13123.1	12484.8	12003.4	11450.6	10865.8	10552.0	10124.1	7838.2
40°	14628.0	14460.4	14135.9	13729.3	13137.4	12770.1	12406.3	11493.4	11322.3	10769.5	8465.8
42.5°	14506.7	14517.4	14339.1	14011.1	13583.1	13372.7	13247.9	12256.6	12021.2	11668.2	9079.2
45°	14011.1	14053.9	14114.5	13954.0	13989.7	13779.3	14114.5	13133.8	12902.0	12527.6	9785.3
47.5°	13465.5	13536.8	13522.5	13814.9	14146.6	14217.9	15055.9	14107.4	14007.5	13800.7	10762.4
50°	12559.7	12588.2	12862.8	13394.1	13847.0	14592.3	15762.0	15170.0	15323.4	14916.8	11924.9
52.5°	11012.0	11115.4	11821.5	12581.1	13494.0	14781.3	16239.9	16749.8	17138.5	16721.3	13041.1
55°	9054.2	9196.9	9892.3	11315.1	12652.4	14496.1	16674.9	17584.3	18372.4	17741.2	13718.6
57.5°	7285.5	7299.7	7923.8	9393.0	11457.8	13936.2	16896.0	17990.8	19049.9	18543.5	14546.0
60°	5552.4	5495.3	6055.2	7328.3	9446.5	12559.7	16343.3	18197.6	19895.1	19602.7	15540.9
62.5°	3573.2	3484.0	4093.8	5334.8	7378.2	10266.7	15237.8	18201.2	21214.5	21104.0	17206.3
65°	1768.8	1708.1	2232.4	3270.1	5106.6	7852.5	13661.6	18133.4	22826.4	22897.7	18828.8
67.5°	934.3	955.7	1123.3	1658.2	2945.6	5548.8	11286.6	17338.2	23650.1	24049.5	19221.1
68°	859.4	866.6	998.5	1380.1	2556.9	5145.8	10723.2	17106.4	23714.3	24206.4	19003.6
70°	698.9	709.6	756.0	866.6	1383.6	3348.5	8273.3	15137.9	22747.9	23197.2	17202.7
72.5°	556.3	588.4	616.9	663.3	813.1	1758.1	5145.8	11796.5	18793.2	18843.1	13390.6
75°	424.4	449.3	506.4	545.6	634.8	966.4	2449.9	7192.8	12331.5	11725.2	7888.1
77.5°	328.1	349.5	374.4	427.9	531.3	652.6	748.9	3052.6	5238.5	4311.4	2228.8
80°	196.1	210.4	292.4	335.2	463.6	442.2	296.0	848.7	1062.7	838.0	406.5
82.5°	114.1	124.8	167.6	256.8	324.5	238.9	174.7	263.9	260.3	228.2	135.5
85°	3.6	7.1	92.7	153.3	114.1	64.2	107.0	110.5	92.7	85.6	60.6
87.5°	0.0	3.6	25.0	21.4	25.0	14.3	21.4	28.5	35.7	32.1	25.0
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°	2478.4	2478.4	2478.4	2478.4	2478.4	2478.4	2478.4	2478.4	2478.4	2478.4	2478.4
2.5°	2503.4	2424.9	2250.2	2118.2	1975.6	1890.0	1804.4	1750.9	1722.4	1704.6	1718.8
5°	2567.6	2403.5	2121.8	1872.2	1708.1	1597.6	1487.0	1430.0	1376.5	1348.0	1365.8
7.5°	2710.2	2464.2	1997.0	1726.0	1533.4	1362.2	1223.2	1112.6	1048.4	991.4	1002.1
10°	2884.9	2499.8	2000.6	1640.4	1362.2	1091.2	895.1	756.0	677.6	627.6	624.1
12.5°	3063.2	2638.9	2014.8	1554.8	1151.8	820.2	588.4	485.0	438.6	413.7	413.7
15°	3334.3	2763.7	1979.2	1397.9	873.7	534.9	403.0	367.3	349.5	328.1	331.6
17.5°	3569.6	2963.4	1961.3	1162.5	599.1	385.1	335.2	296.0	278.2	256.8	256.8
20°	3887.0	3088.2	1865.1	898.6	413.7	320.9	271.0	235.4	206.8	189.0	192.6
22.5°	4175.9	3184.5	1693.9	613.4	317.4	253.2	199.7	164.0	139.1	117.7	121.2
25°	4489.7	3280.8	1444.3	378.0	224.7	156.9	107.0	78.5	53.5	39.2	39.2
27.5°	4714.3	3309.3	1119.7	224.7	135.5	71.3	25.0	3.6	0.0	0.0	0.0
30°	4942.6	3320.0	773.8	121.2	53.5	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	5202.9	3316.4	485.0	64.2	3.6	0.0	0.0	0.0	0.0	0.0	0.0
35°	5402.6	3255.8	231.8	7.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	5705.7	3166.7	71.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	6051.6	3006.2	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	6361.9	2842.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	6714.9	2638.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	7335.4	2553.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	8144.9	2485.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	8644.1	2285.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	8904.5	2079.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	9289.6	1979.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	9860.2	1986.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	10751.7	2086.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	11243.8	1986.3	14.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	10826.6	1590.5	67.8	17.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0
68°	10466.4	1462.1	67.8	17.8	3.6	0.0	0.0	0.0	0.0	0.0	0.0
70°	8651.3	952.1	64.2	17.8	7.1	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	6301.2	527.8	53.5	14.3	7.1	0.0	0.0	0.0	0.0	0.0	0.0
75°	3665.9	263.9	39.2	14.3	7.1	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	955.7	131.9	32.1	17.8	10.7	3.6	0.0	0.0	0.0	0.0	0.0
80°	189.0	85.6	28.5	21.4	14.3	7.1	0.0	0.0	0.0	0.0	0.0
82.5°	89.2	60.6	28.5	21.4	17.8	10.7	3.6	0.0	0.0	0.0	0.0
85°	46.4	28.5	28.5	21.4	21.4	14.3	7.1	0.0	0.0	0.0	0.0
87.5°	21.4	10.7	10.7	10.7	10.7	7.1	3.6	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)