

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: P484413

Luminaire Tested: **IFLD-S-SA6C-740-U-SL3-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484413  
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-SL3-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens with House Side Shield  
Light Source: (96) 4000K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

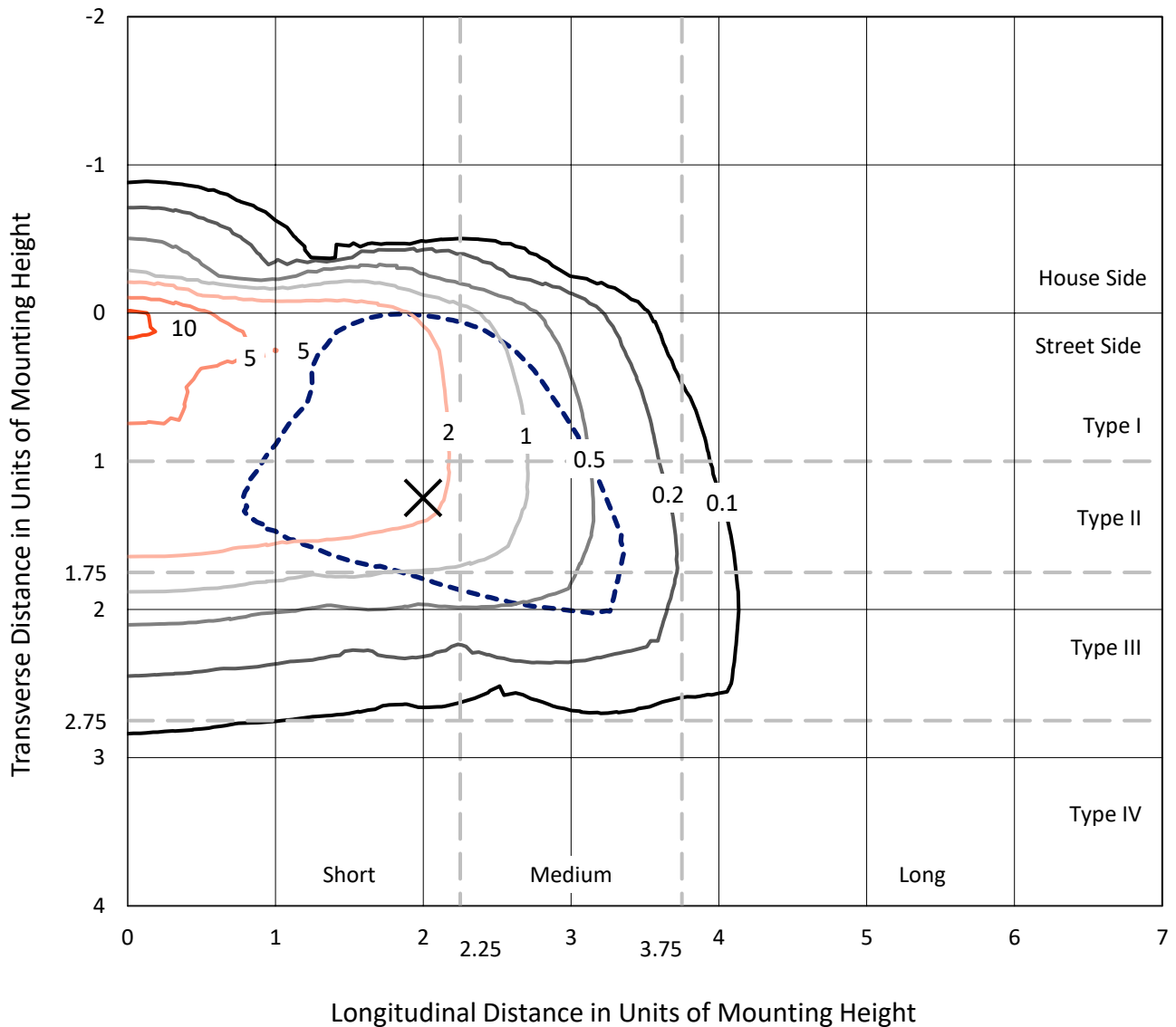
Lumens per Lamp: N/A  
Luminaire Lumens: 34749.6 lumens  
Efficiency: N/A  
Efficacy: 108.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 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

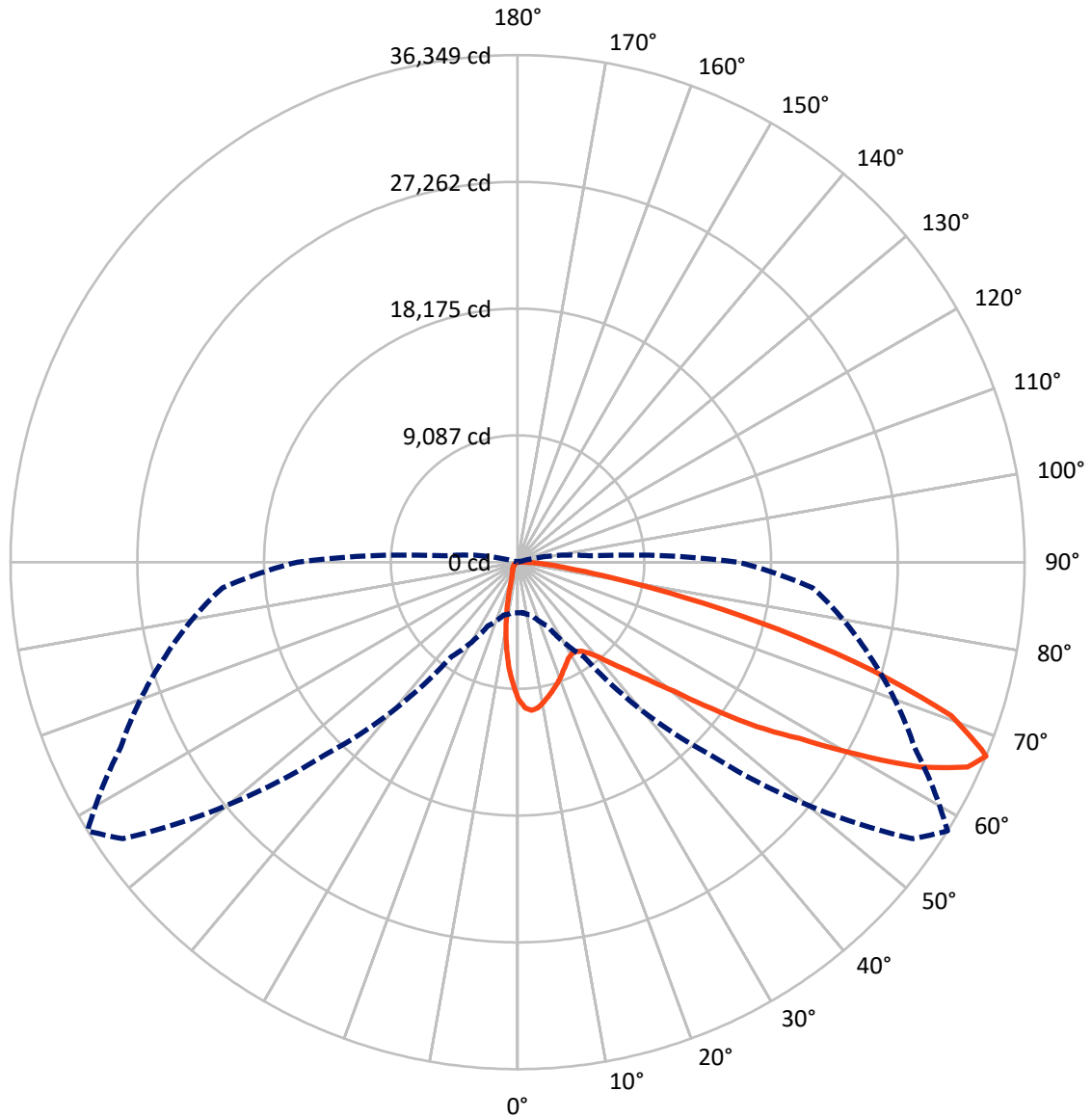
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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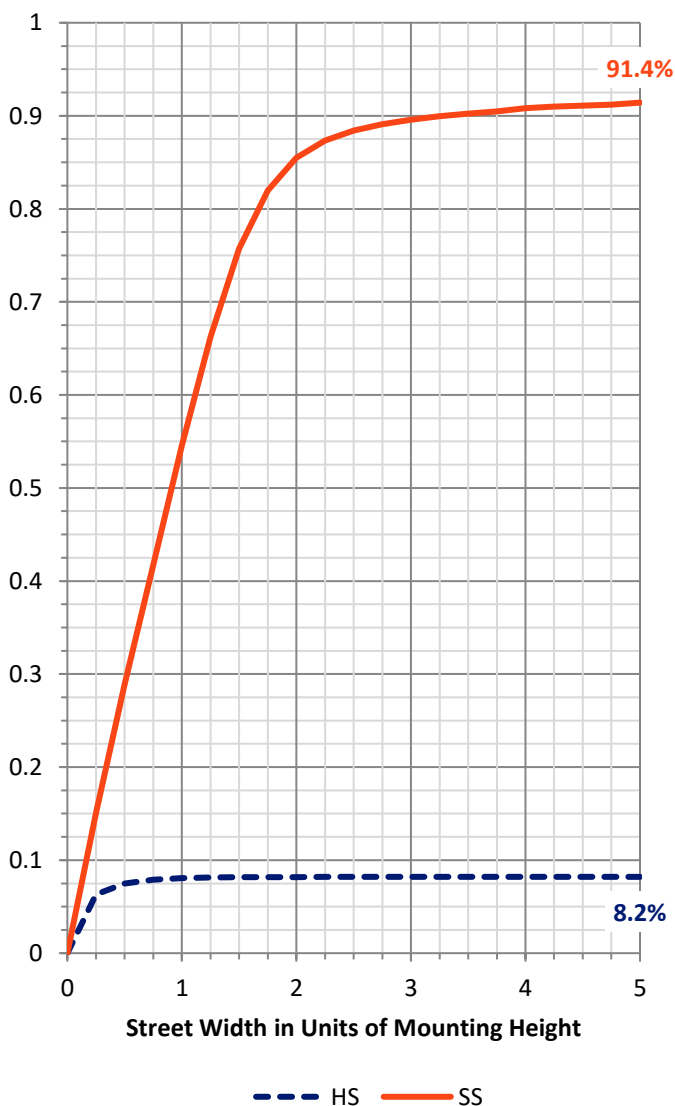
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2872.3	0.0	2872.3
	% Fixture	8.3	0.0	8.3
<b>Street Side</b>	Lumens	31877.3	0.0	31877.3
	% Fixture	91.7	0.0	91.7
<b>Total</b>	Lumens	34749.6	0.0	34749.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	781.2	2.2
10°-20°	1620.3	4.7
20°-30°	2149.7	6.2
30°-40°	2978.9	8.6
40°-50°	4860.6	14.0
50°-60°	8543.4	24.6
60°-70°	9462.5	27.2
70°-80°	3921.3	11.3
80°-90°	431.7	1.2
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°	34749.6	100.0
0°-180°	34749.6	100.0



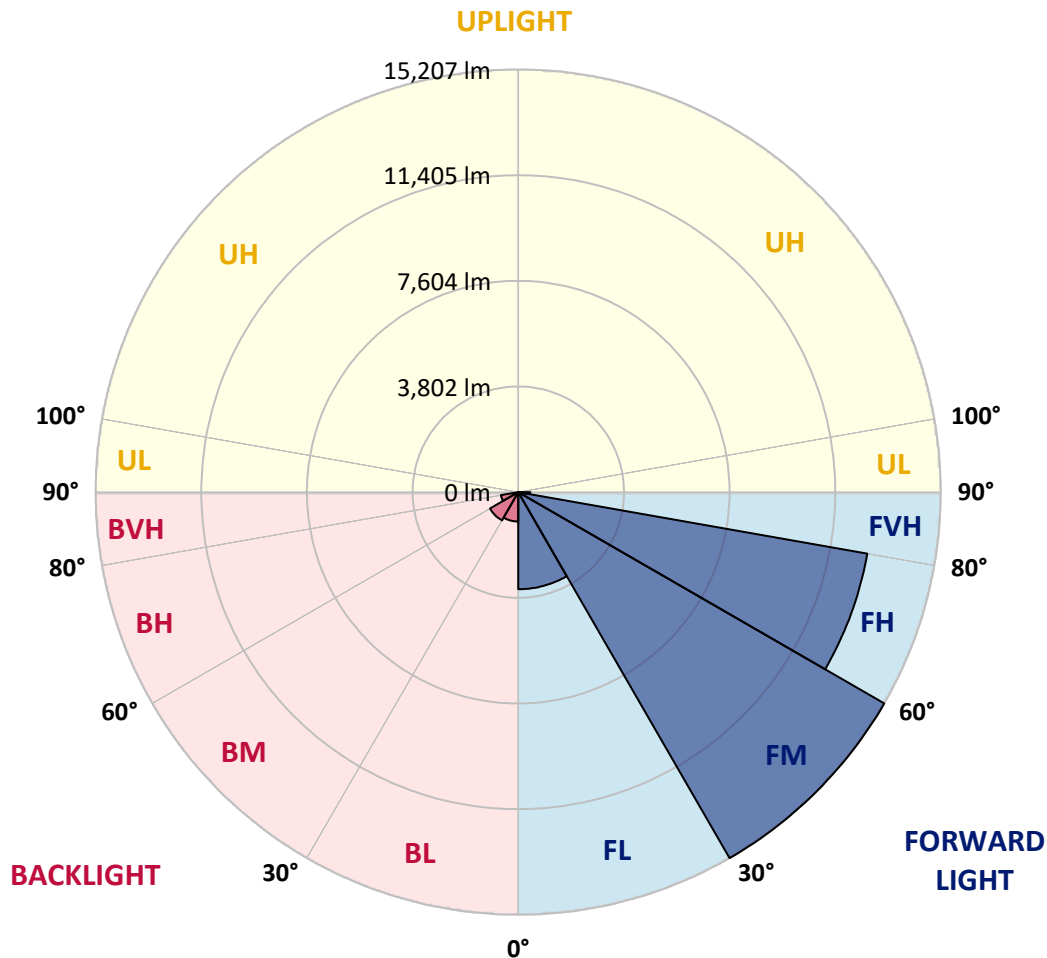
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3493.3	10.1			
FM (30°-60°)	15207.1	43.8			
FH (60°-80°)	12752.3	36.7			G5
FVH (80°-90°)	424.6	1.2			G3/500
BL (0°-30°)	1057.9	3.0	B3/2500		
BM (30°-60°)	1175.8	3.4	B2/2500		
BH (60°-80°)	631.5	1.8	B2/1000		G2/1000
BVH (80°-90°)	7.1	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°	58°	65°	75°	85°
0°	9845.0	9845.0	9845.0	9845.0	9845.0	9845.0	9845.0	9845.0	9845.0	9845.0	9845.0
2.5°	10712.4	10749.3	10781.6	10721.6	10772.3	10698.5	10509.4	10467.8	10435.5	10154.1	9992.7
5°	10707.7	10666.2	10698.5	10726.2	10657.0	10712.4	10666.2	10670.8	10546.3	10292.5	9840.4
7.5°	9992.7	9974.2	9992.7	10126.5	10278.7	10398.6	10467.8	10537.0	10454.0	10075.7	9637.4
10°	9028.5	9120.7	9171.5	9411.4	9646.7	9868.1	10084.9	10214.1	10191.0	10038.8	9416.0
12.5°	8354.9	8327.2	8511.8	8668.6	8903.9	9351.4	9729.7	9849.6	9988.0	9775.8	9125.3
15°	7732.1	7658.3	7769.0	8041.2	8442.6	8797.8	9328.3	9508.3	9683.6	9738.9	8968.5
17.5°	7137.0	7173.9	7289.2	7533.7	7912.0	8410.3	8908.5	9166.9	9586.7	9512.9	8733.2
20°	6850.9	6929.4	6970.9	7095.4	7358.4	7856.6	8599.4	8807.0	9254.5	9508.3	8502.5
22.5°	6864.8	6864.8	6767.9	6841.7	7081.6	7469.1	8179.6	8410.3	9120.7	9268.4	8294.9
25°	7012.4	6920.1	6924.7	6837.1	6938.6	7150.8	7801.3	8082.7	8848.5	9291.4	8184.2
27.5°	7123.1	7104.7	7077.0	7053.9	6924.7	6957.0	7552.2	7782.8	8742.4	9263.7	8013.5
30°	7524.5	7441.4	7413.8	7363.0	7192.3	7035.5	7353.8	7644.4	8659.4	9328.3	7916.6
32.5°	7861.3	7875.1	7898.2	7750.5	7602.9	7215.4	7409.1	7639.8	8599.4	9476.0	8013.5
35°	8285.7	8345.7	8354.9	8308.8	8151.9	7769.0	7639.8	7838.2	8700.9	9738.9	8022.7
37.5°	8931.6	8867.0	9042.3	9060.8	8950.0	8442.6	8175.0	8253.4	9000.8	10158.7	8373.4
40°	9351.4	9429.8	9757.4	9960.4	9771.2	9309.9	8950.0	8936.2	9434.4	10818.5	8807.0
42.5°	9817.4	9992.7	10352.5	10790.8	10767.7	10338.7	9974.2	9914.2	10204.9	11773.4	9494.4
45°	10454.0	10610.9	11113.7	11773.4	12133.3	11768.8	11219.8	11099.9	11141.4	13074.4	10666.2
47.5°	11510.5	11469.0	12193.3	12843.8	13434.3	13152.9	12917.6	12566.9	12534.7	14606.1	12285.5
50°	12705.4	12696.1	13342.0	14080.1	14762.9	15311.9	14919.8	14536.9	14546.1	16686.7	14190.9
52.5°	13840.3	14020.2	14716.8	15450.3	16622.1	17212.7	17591.0	17438.7	16705.2	18545.9	16230.0
55°	14440.0	14596.9	15288.9	16552.9	18402.9	19920.7	20944.9	20815.7	19399.4	20640.4	18241.5
57.5°	13872.5	13978.7	14915.2	16571.4	19648.5	23034.8	24017.4	23856.0	22185.9	22241.3	20672.7
60°	11496.6	11662.7	13056.0	14998.2	19164.1	25433.8	28248.0	28003.4	24723.3	24266.6	22236.7
62.5°	7962.8	8073.5	9217.6	11635.0	16866.7	26268.8	32243.2	32377.0	27399.1	25844.4	22702.6
65°	5157.8	5148.6	5803.7	7441.4	11953.4	23740.6	34605.2	35435.7	29982.6	26084.3	22559.6
67°	3644.6	3630.8	3939.9	5047.1	8276.5	19560.9	34563.7	36349.1	31385.1	26153.5	21235.6
67.5°	3363.2	3349.3	3644.6	4641.1	7469.1	18190.7	34047.0	35878.5	31878.7	26056.6	20654.3
70°	2611.2	2574.3	2685.0	3197.1	4350.5	11764.2	29138.3	32958.3	30854.5	23639.1	16493.0
72.5°	1886.9	1928.4	2103.7	2625.0	3413.9	6329.6	22209.0	26651.7	25770.5	17817.0	10481.7
75°	1314.8	1351.7	1633.1	2140.6	3132.5	3838.4	15016.7	19330.2	17950.8	9835.8	4465.8
77.5°	687.4	733.5	1042.6	1711.6	2846.5	2971.0	8973.1	12257.8	9512.9	3501.6	1231.8
80°	318.3	341.4	521.3	1213.3	2380.5	2611.2	5231.6	6818.6	3806.1	784.3	424.4
82.5°	138.4	152.2	239.9	696.6	1688.5	2283.6	3238.6	3575.4	1379.4	253.7	263.0
85°	27.7	32.3	92.3	369.1	816.6	1384.0	2274.4	2122.2	692.0	124.6	207.6
87.5°	0.0	0.0	23.1	106.1	221.4	410.6	964.2	964.2	212.2	64.6	78.4
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°	9845.0	9845.0	9845.0	9845.0	9845.0	9845.0	9845.0	9845.0	9845.0	9845.0	9845.0
2.5°	9849.6	9683.6	9319.1	8982.3	8742.4	8470.2	8110.4	7948.9	7888.9	7805.9	7681.3
5°	9591.3	9388.3	8765.5	8138.1	7450.7	6929.4	6375.7	6052.8	5808.3	5656.0	5605.3
7.5°	9226.8	8811.6	7972.0	6966.3	6075.9	5300.8	4461.2	3893.7	3529.3	3381.6	3243.2
10°	8936.2	8396.4	7118.5	5868.3	4682.6	3547.7	2602.0	2103.7	1725.4	1582.4	1563.9
12.5°	8557.9	7912.0	6320.4	4747.2	3257.1	2112.9	1439.4	1250.2	1144.1	1125.7	1111.8
15°	8244.2	7473.7	5563.8	3676.9	2108.3	1319.4	1121.1	1074.9	1047.2	1038.0	1042.6
17.5°	8032.0	7003.2	4788.7	2675.8	1388.6	1079.5	1033.4	1005.7	991.9	987.3	973.4
20°	7612.1	6606.4	4022.9	1873.0	1084.2	996.5	959.6	936.5	922.7	918.1	913.5
22.5°	7372.2	6103.6	3257.1	1305.6	964.2	904.2	876.5	858.1	835.0	821.2	816.6
25°	7132.3	5734.5	2574.3	1015.0	876.5	835.0	793.5	770.4	733.5	715.1	710.5
27.5°	6850.9	5370.0	1983.8	881.2	788.9	747.4	705.9	668.9	622.8	604.4	595.1
30°	6689.5	5014.8	1494.7	788.9	724.3	668.9	618.2	572.1	521.3	489.0	479.8
32.5°	6606.4	4691.8	1121.1	719.7	655.1	595.1	530.5	475.2	429.0	401.4	396.8
35°	6504.9	4378.1	881.2	655.1	590.5	525.9	461.3	406.0	359.8	336.8	327.6
37.5°	6611.0	4193.6	733.5	604.4	539.8	466.0	396.8	341.4	304.5	281.4	276.8
40°	6901.7	4041.4	636.7	558.2	489.0	410.6	346.0	290.6	258.4	239.9	230.7
42.5°	7349.2	4041.4	576.7	512.1	442.9	359.8	295.3	253.7	221.4	203.0	198.4
45°	8161.1	4165.9	525.9	466.0	387.5	309.1	253.7	212.2	179.9	161.5	156.9
47.5°	9300.6	4451.9	484.4	424.4	346.0	272.2	221.4	179.9	147.6	129.2	124.6
50°	10832.3	5102.4	442.9	373.7	309.1	235.3	184.5	143.0	115.3	96.9	92.3
52.5°	12742.3	6025.1	401.4	346.0	263.0	198.4	147.6	115.3	87.7	73.8	69.2
55°	14762.9	7155.4	350.6	309.1	226.1	166.1	119.9	87.7	64.6	55.4	50.7
57.5°	16797.5	8027.3	309.1	267.6	184.5	133.8	96.9	69.2	46.1	36.9	32.3
60°	17877.0	8110.4	267.6	221.4	147.6	106.1	73.8	50.7	32.3	23.1	18.5
62.5°	18043.1	7372.2	230.7	179.9	119.9	83.0	50.7	36.9	18.5	9.2	9.2
65°	17189.6	6145.1	198.4	143.0	92.3	60.0	36.9	23.1	9.2	4.6	0.0
67°	15805.6	5148.6	170.7	119.9	73.8	46.1	27.7	13.8	4.6	0.0	0.0
67.5°	15270.4	4871.8	161.5	110.7	69.2	41.5	23.1	13.8	4.6	0.0	0.0
70°	11851.9	3478.5	119.9	78.4	50.7	32.3	18.5	9.2	0.0	0.0	0.0
72.5°	7261.5	2034.5	92.3	55.4	36.9	23.1	13.8	4.6	0.0	0.0	0.0
75°	3044.9	701.2	78.4	41.5	27.7	13.8	9.2	4.6	0.0	0.0	0.0
77.5°	793.5	263.0	55.4	27.7	18.5	13.8	9.2	4.6	0.0	0.0	0.0
80°	322.9	119.9	36.9	18.5	18.5	13.8	9.2	4.6	0.0	0.0	0.0
82.5°	212.2	55.4	23.1	18.5	13.8	9.2	4.6	0.0	0.0	0.0	0.0
85°	161.5	32.3	13.8	13.8	9.2	4.6	0.0	0.0	0.0	0.0	0.0
87.5°	69.2	18.5	13.8	9.2	9.2	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)