

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: P476768

Luminaire Tested: **IFLD-S-SA6B-830-U-T2**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P476768  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-830-U-T2  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens  
Light Source: (96) 3000K CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

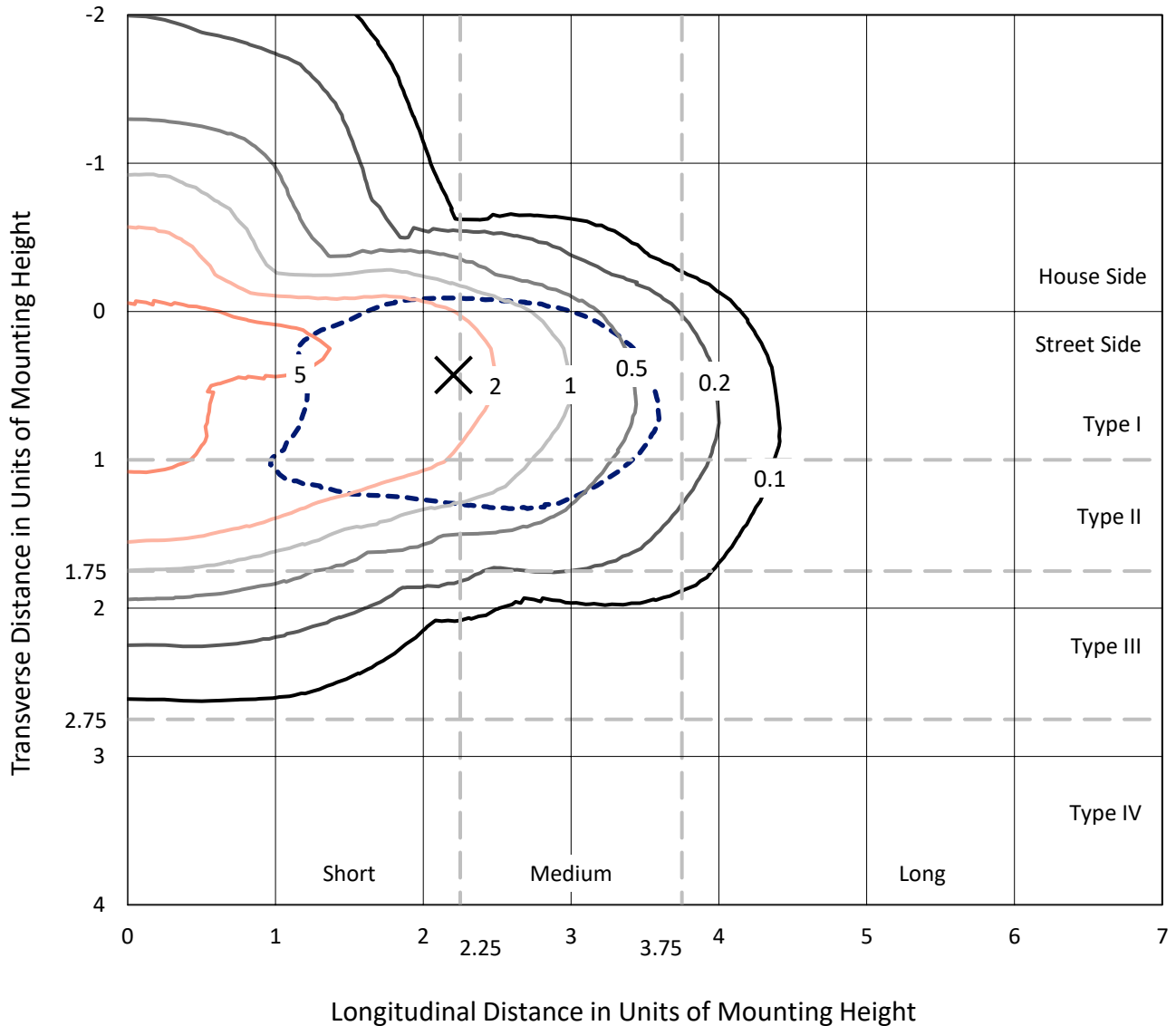
Lumens per Lamp: N/A  
Luminaire Lumens: 26491.5 lumens  
Efficiency: N/A  
Efficacy: 108.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G4

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

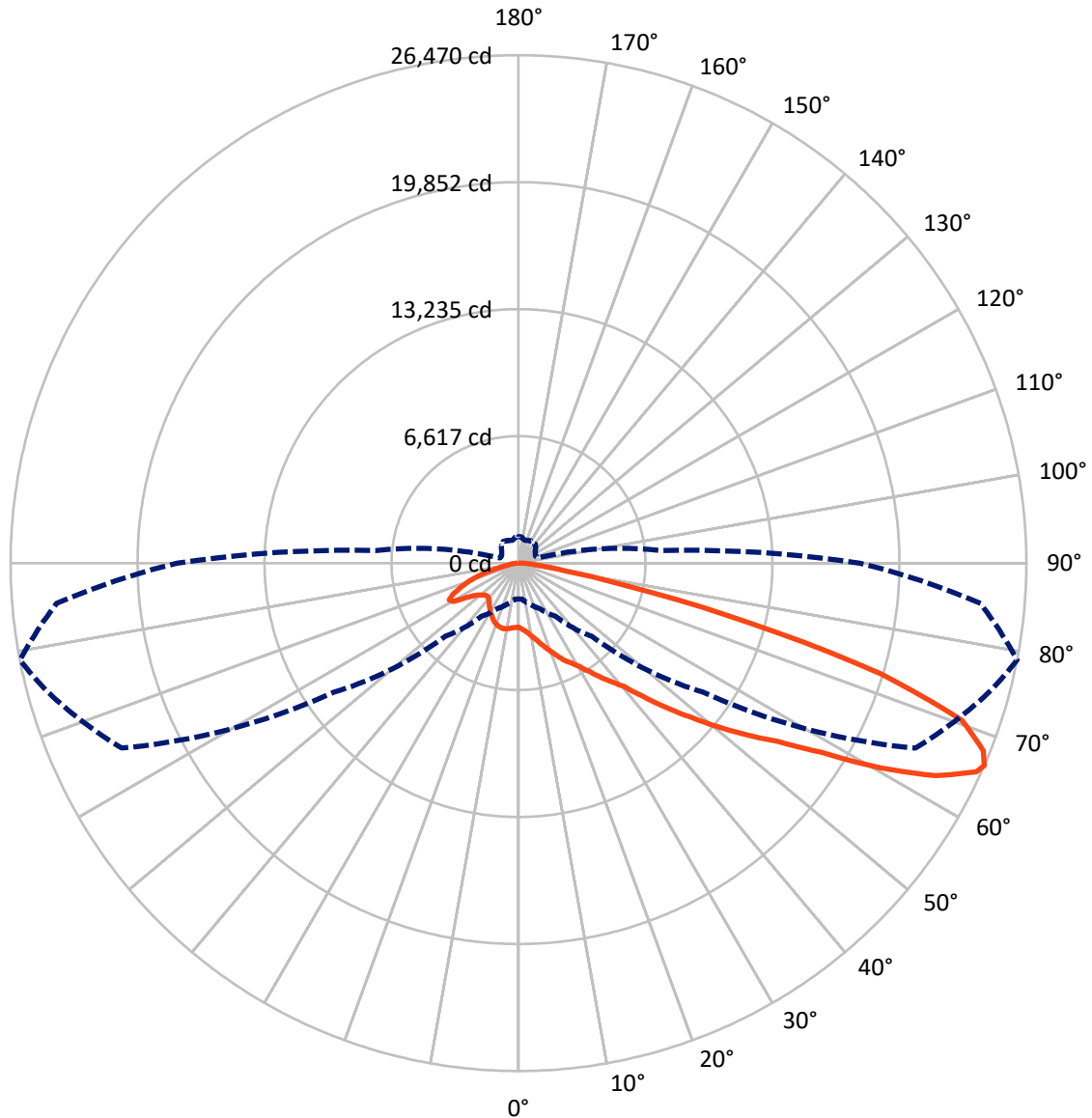
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5349.6	0.0	5349.6
	% Fixture	20.2	0.0	20.2
<b>Street Side</b>	Lumens	21141.9	0.0	21141.9
	% Fixture	79.8	0.0	79.8
<b>Total</b>	Lumens	26491.5	0.0	26491.5
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	328.9	1.2
10°-20°	1015.7	3.8
20°-30°	1743.5	6.6
30°-40°	2693.4	10.2
40°-50°	4314.1	16.3
50°-60°	6441.2	24.3
60°-70°	6618.4	25.0
70°-80°	2933.8	11.1
80°-90°	402.5	1.5
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°	26491.5	100.0
0°-180°	26491.5	100.0



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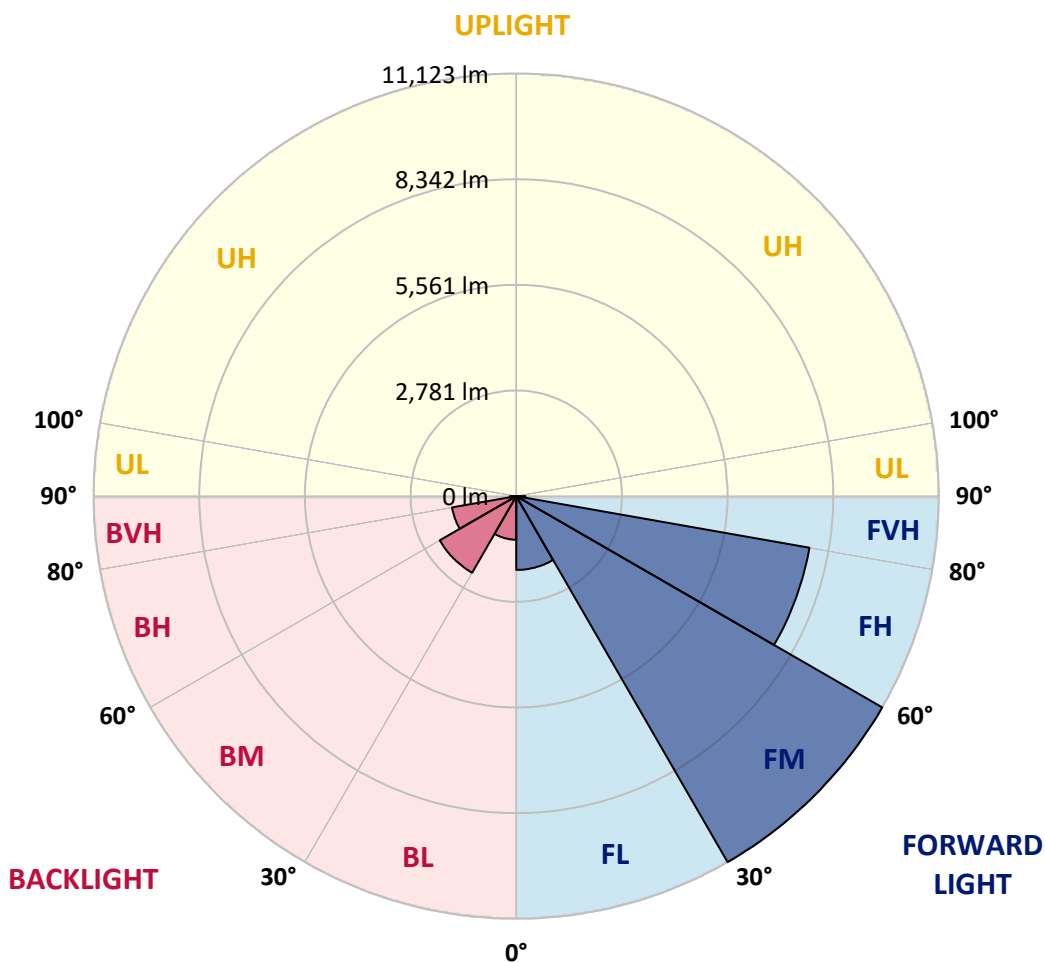
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1942.0	7.3			
FM (30°-60°)	11122.9	42.0			
FH (60°-80°)	7835.6	29.6			G4/12000
FVH (80°-90°)	241.4	0.9			G3/500
BL (0°-30°)	1146.1	4.3	B3/2500		
BM (30°-60°)	2325.8	8.8	B2/2500		
BH (60°-80°)	1716.6	6.5	B3/2500		G3/2500
BVH (80°-90°)	161.1	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	3345.1	3345.1	3345.1	3345.1	3345.1	3345.1	3345.1	3345.1	3345.1	3345.1	3345.1
2.5°	3557.9	3560.8	3560.8	3549.1	3552.0	3560.8	3528.7	3458.8	3458.8	3447.1	3426.7
5°	3776.4	3761.8	3741.4	3744.3	3732.7	3732.7	3697.7	3630.7	3572.4	3549.1	3487.9
7.5°	3805.5	3820.1	3817.2	3852.2	3869.6	3869.6	3887.1	3831.8	3744.3	3689.0	3627.8
10°	3863.8	3825.9	3823.0	3904.6	3930.8	3992.0	4062.0	4032.8	3960.0	3881.3	3799.7
12.5°	3898.8	3922.1	3922.1	3962.9	4024.1	4114.4	4236.8	4292.2	4178.5	4096.9	3971.6
15°	3951.2	3919.2	4012.4	4047.4	4163.9	4228.0	4402.9	4545.7	4469.9	4370.8	4172.7
17.5°	3974.5	3954.1	4006.6	4070.7	4268.8	4365.0	4577.7	4775.9	4711.8	4647.6	4443.7
20°	4094.0	4091.1	4114.4	4166.9	4309.6	4499.0	4764.2	5038.1	5061.4	4944.9	4668.0
22.5°	4385.4	4347.5	4347.5	4327.1	4388.3	4583.5	4941.9	5320.8	5425.7	5288.7	4921.6
25°	4653.5	4705.9	4673.9	4580.6	4557.3	4659.3	5070.2	5620.9	5760.7	5632.5	5265.4
27.5°	4997.3	5014.8	5070.2	4944.9	4784.6	4816.7	5210.0	5789.9	6078.4	5906.4	5460.6
30°	5492.7	5460.6	5449.0	5309.1	5099.3	5055.6	5370.3	6037.6	6495.0	6253.2	5690.8
32.5°	5827.8	5906.4	5903.5	5711.2	5457.7	5361.5	5568.4	6270.7	6940.9	6716.5	6116.2
35°	6492.1	6573.7	6509.6	6227.0	5929.8	5737.4	5854.0	6573.7	7450.8	7276.0	6477.6
37.5°	7340.1	7532.4	7395.4	6873.9	6454.3	6244.5	6250.3	6903.0	7972.4	7829.6	6865.1
40°	7925.8	8185.1	7995.7	7506.2	7060.3	6862.2	6783.5	7293.5	8596.0	8444.4	7471.2
42.5°	8651.3	8866.9	8767.9	8284.2	7762.6	7593.6	7436.2	7946.2	9548.8	9478.9	8249.2
45°	9443.9	9545.9	9513.8	9207.9	8628.0	8569.7	8223.0	8805.8	10670.6	10699.8	9222.4
47.5°	10181.1	10236.5	10297.7	10076.2	9714.9	9764.4	9129.2	9726.5	11760.4	11952.8	10306.4
50°	10370.5	10559.9	10702.7	10851.3	10930.0	11265.1	10128.7	10857.1	13013.4	13386.4	11512.8
52.5°	10178.2	10163.6	10597.8	11064.0	11850.8	12553.0	11489.4	12261.6	14120.7	14857.9	12617.1
55°	9304.0	9274.9	9974.2	10592.0	12127.6	13269.8	13433.0	14132.3	15458.2	16416.8	14111.9
57.5°	7774.2	7593.6	8357.0	9371.1	11527.3	13348.5	15385.3	16909.3	17515.4	18608.1	16393.5
60°	5224.6	5148.8	5880.2	7089.5	9359.4	12232.5	16553.8	20385.5	20414.7	21644.3	19933.9
62.5°	3216.9	3231.5	3700.6	4606.9	6553.3	9697.4	16049.7	23162.5	23168.3	24400.9	22847.8
65°	2103.8	2112.6	2491.4	2992.6	4094.0	6576.6	13272.7	23381.0	25082.7	26227.9	24182.3
66°	1873.6	1876.5	2202.9	2610.8	3391.8	5381.9	11722.6	22812.8	25514.0	26469.7	24164.8
67.5°	1579.3	1617.2	1879.5	2194.2	2645.8	3866.7	9301.1	21169.4	25292.5	26131.7	23617.0
70°	1235.5	1255.9	1462.8	1783.3	1984.4	2237.9	5527.6	17256.0	23150.8	24511.6	21623.9
72.5°	990.7	1008.2	1165.6	1448.2	1611.4	1474.4	3010.0	12521.0	18287.5	19738.7	17008.3
75°	836.3	839.2	915.0	1139.3	1325.8	1107.3	1602.6	8036.5	11734.2	12410.2	10420.0
77.5°	676.0	687.7	740.1	868.3	1066.5	871.3	955.8	4502.0	5891.9	5941.4	4816.7
80°	550.7	556.6	588.6	632.3	813.0	644.0	646.9	2197.1	2526.3	2468.1	1958.1
82.5°	434.2	440.0	477.9	469.1	597.3	460.4	402.1	1057.7	1162.6	1139.3	900.4
85°	244.8	244.8	375.9	375.9	378.8	291.4	244.8	498.3	614.8	574.0	422.5
87.5°	78.7	81.6	113.6	119.5	189.4	131.1	119.5	186.5	291.4	256.4	151.5
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°	3345.1	3345.1	3345.1	3345.1	3345.1	3345.1	3345.1	3345.1	3345.1	3345.1	3345.1
2.5°	3415.1	3368.5	3348.1	3281.0	3263.6	3219.8	3199.4	3173.2	3164.5	3126.6	3161.6
5°	3441.3	3426.7	3345.1	3260.6	3196.5	3167.4	3123.7	3065.4	3059.6	3007.1	3001.3
7.5°	3552.0	3502.5	3359.7	3269.4	3141.2	3068.3	2972.2	2943.0	2905.1	2887.7	2925.5
10°	3723.9	3598.6	3385.9	3158.7	3001.3	2913.9	2844.0	2823.6	2826.5	2814.8	2797.3
12.5°	3846.3	3726.9	3342.2	3065.4	2861.4	2776.9	2771.1	2791.5	2823.6	2809.0	2829.4
15°	4021.2	3796.8	3310.2	2911.0	2747.8	2724.5	2721.6	2782.8	2779.8	2779.8	2776.9
17.5°	4184.3	3866.7	3193.6	2776.9	2628.3	2645.8	2666.2	2663.3	2692.4	2704.1	2724.5
20°	4391.2	3948.3	3030.4	2642.9	2538.0	2532.2	2529.3	2532.2	2561.3	2578.8	2564.2
22.5°	4571.9	3965.8	2893.5	2514.7	2430.2	2406.9	2369.0	2406.9	2392.3	2398.1	2415.6
25°	4729.2	3968.7	2698.3	2418.5	2322.4	2269.9	2240.8	2237.9	2211.6	2208.7	2208.7
27.5°	4860.4	3869.6	2526.3	2284.5	2194.2	2144.6	2141.7	2109.7	2042.6	1998.9	2004.8
30°	4962.3	3793.9	2406.9	2167.9	2080.5	2071.8	2045.5	1972.7	1885.3	1829.9	1829.9
32.5°	5143.0	3642.4	2243.7	2048.5	2004.8	1993.1	1931.9	1867.8	1786.2	1733.8	1725.0
35°	5277.0	3502.5	2135.9	1946.5	1926.1	1902.8	1850.3	1780.4	1757.1	1745.4	1754.2
37.5°	5428.6	3345.1	2004.8	1859.1	1879.5	1835.7	1774.6	1742.5	1824.1	1803.7	1812.4
40°	5670.4	3234.4	1876.5	1806.6	1827.0	1777.5	1698.8	1687.1	1789.1	1716.3	1698.8
42.5°	6113.3	3231.5	1797.9	1727.9	1742.5	1704.6	1634.7	1628.9	1669.7	1582.2	1556.0
45°	6664.1	3333.5	1739.6	1669.7	1658.0	1652.2	1628.9	1602.6	1567.7	1454.0	1424.9
47.5°	7322.6	3499.6	1727.9	1582.2	1596.8	1646.3	1617.2	1550.2	1459.9	1387.0	1372.4
50°	8121.0	3843.4	1698.8	1518.1	1544.4	1623.0	1599.7	1506.5	1424.9	1378.3	1369.5
52.5°	9003.9	4277.6	1660.9	1419.1	1477.3	1602.6	1614.3	1526.9	1407.4	1366.6	1360.8
55°	10044.2	4918.6	1617.2	1311.2	1398.7	1582.2	1614.3	1468.6	1384.1	1384.1	1378.3
57.5°	12098.4	6072.5	1526.9	1212.2	1328.7	1544.4	1567.7	1471.5	1387.0	1387.0	1375.4
60°	15111.4	7873.3	1355.0	1136.4	1261.7	1491.9	1532.7	1427.8	1355.0	1372.4	1369.5
62.5°	17468.7	8421.1	1209.3	1063.6	1194.7	1395.8	1486.1	1381.2	1317.1	1381.2	1387.0
65°	17972.8	7867.5	1060.7	984.9	1101.4	1302.5	1419.1	1314.2	1261.7	1387.0	1392.8
66°	17792.2	7436.2	1008.2	961.6	1060.7	1255.9	1378.3	1290.9	1232.6	1381.2	1384.1
67.5°	16987.9	6789.4	949.9	912.0	1005.3	1188.9	1331.6	1258.8	1186.0	1363.7	1337.5
70°	15239.6	5757.8	850.9	824.6	926.6	1078.1	1223.8	1177.2	1113.1	1255.9	1209.3
72.5°	11737.1	4601.0	746.0	748.9	836.3	964.5	1116.0	1084.0	1028.6	1101.4	1072.3
75°	7147.8	2940.1	649.8	655.6	728.5	856.7	1014.0	990.7	923.7	964.5	949.9
77.5°	3167.4	1456.9	547.8	559.5	617.7	754.7	882.9	845.0	775.1	783.8	778.0
80°	1229.7	690.6	445.8	460.4	498.3	603.2	731.4	696.4	635.2	623.6	617.7
82.5°	591.5	384.6	343.8	349.7	364.2	480.8	629.4	585.7	504.1	451.7	451.7
85°	297.2	238.9	241.9	221.5	241.9	326.4	425.4	355.5	294.3	262.2	268.1
87.5°	119.5	119.5	119.5	102.0	107.8	154.4	198.1	134.0	122.4	72.8	72.8
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)