

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: P476848

Luminaire Tested: **IFLD-S-SA6D-722-U-T2R**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P476848  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6D-722-U-T2R  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

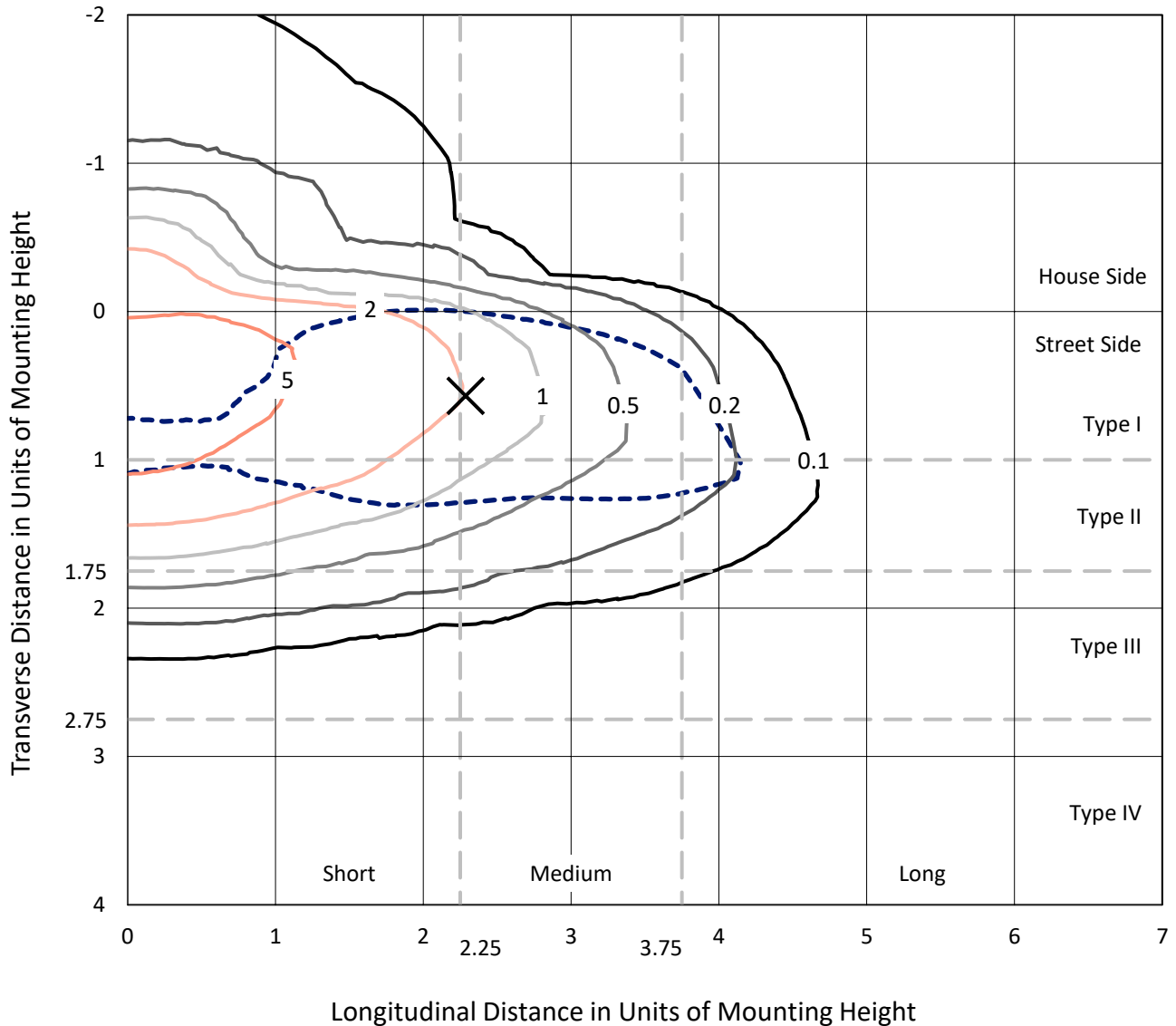
Lumens per Lamp: N/A  
Luminaire Lumens: 33868 lumens  
Efficiency: N/A  
Efficacy: 92.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

Input Watts (W): 368.2  
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

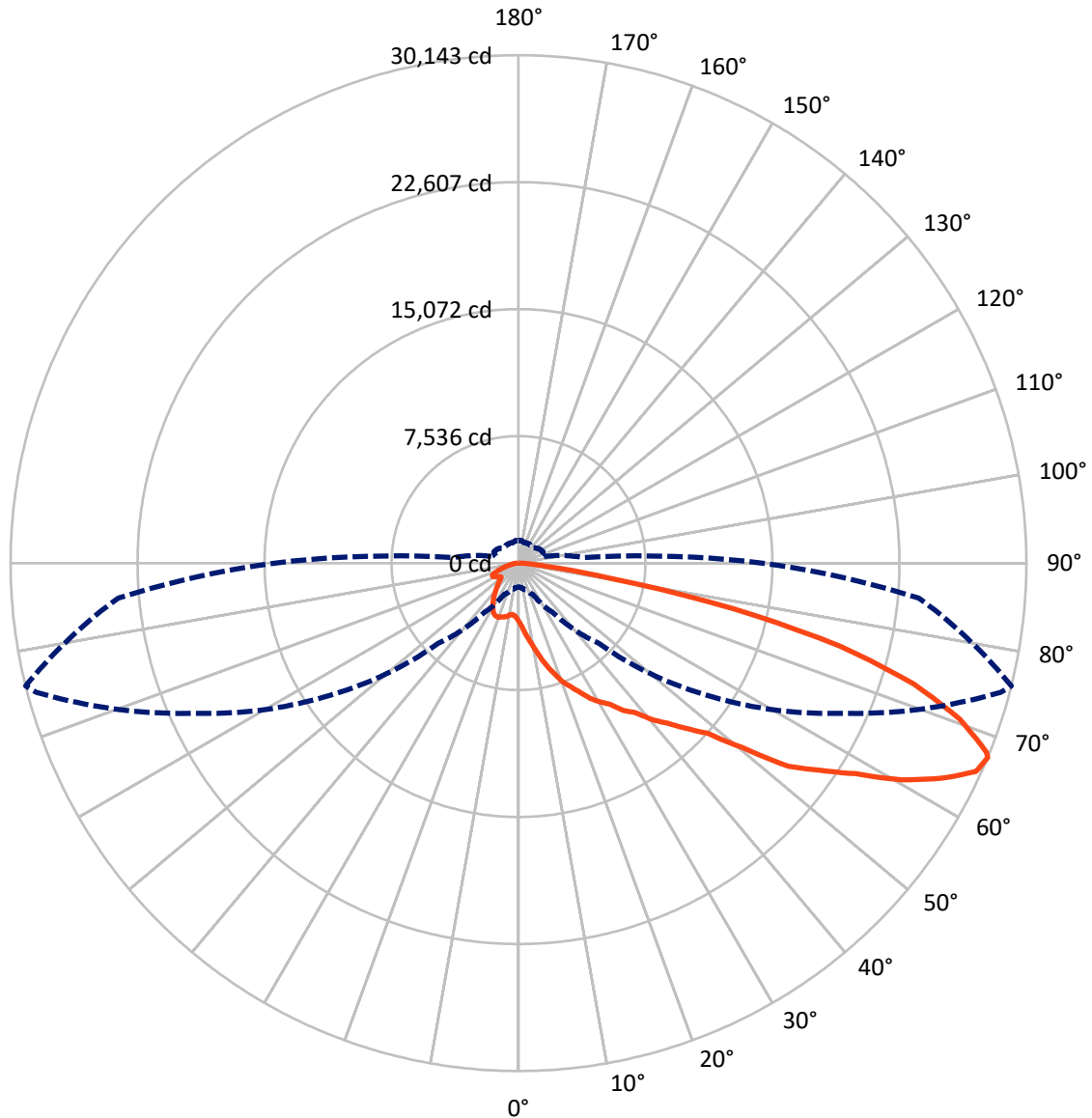
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral      - - - Horizontal Cone Through 67-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4818.2	0.0	4818.2
	% Fixture	14.2	0.0	14.2
<b>Street Side</b>	Lumens	29049.8	0.0	29049.8
	% Fixture	85.8	0.0	85.8
<b>Total</b>	Lumens	33868.0	0.0	33868.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	401.5	1.2
10°-20°	1505.7	4.4
20°-30°	2799.3	8.3
30°-40°	4437.6	13.1
40°-50°	6137.6	18.1
50°-60°	7549.6	22.3
60°-70°	7025.3	20.7
70°-80°	3525.3	10.4
80°-90°	486.1	1.4
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°	33868.0	100.0
0°-180°	33868.0	100.0

**Coefficient of Utilization**



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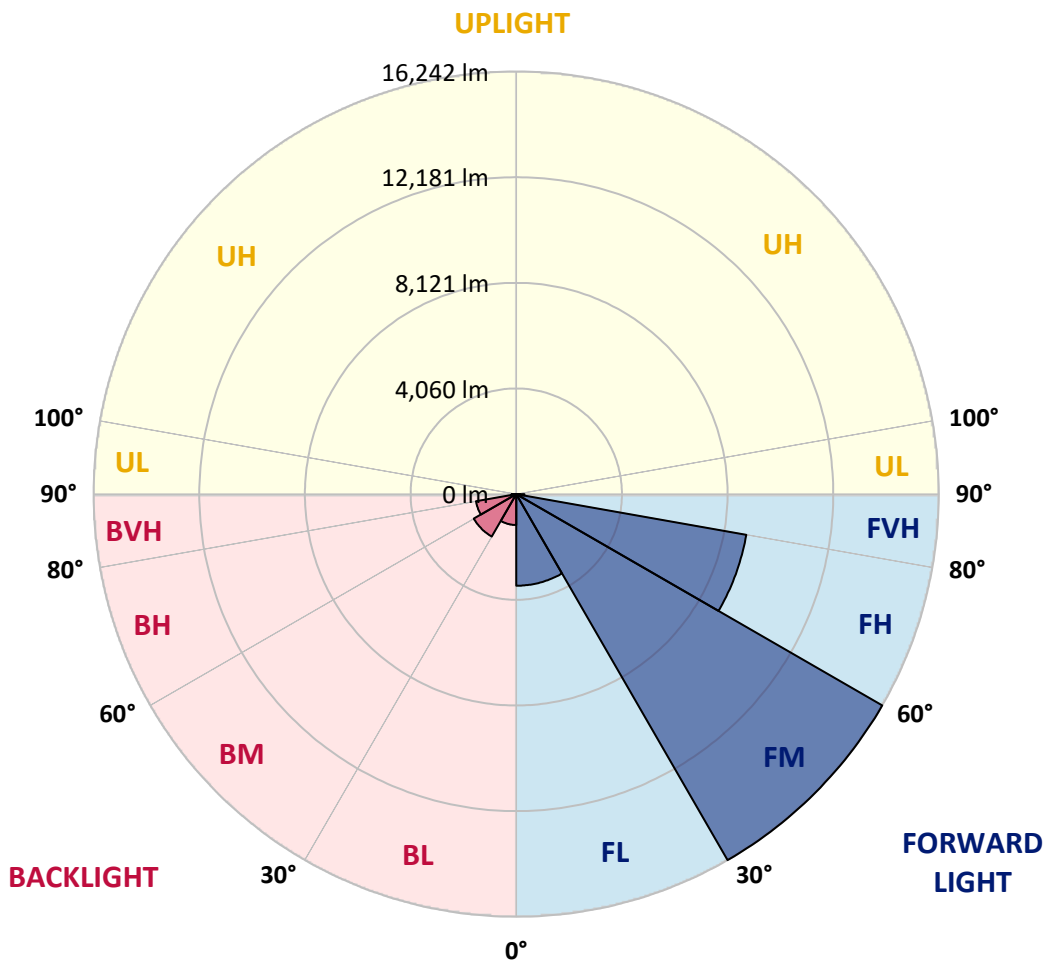
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3520.0	10.4			
FM (30°-60°)	16242.0	48.0			
FH (60°-80°)	8978.1	26.5			G4/12000
FVH (80°-90°)	309.7	0.9			G3/500
BL (0°-30°)	1186.5	3.5	B3/2500		
BM (30°-60°)	1882.8	5.6	B2/2500		
BH (60°-80°)	1572.4	4.6	B3/2500		G3/2500
BVH (80°-90°)	176.4	0.5			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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3465.9	3465.9	3465.9	3465.9	3465.9	3465.9	3465.9	3465.9	3465.9	3465.9	3465.9
2.5°	4809.0	4751.1	4693.2	4569.7	4527.2	4411.5	4199.2	3963.8	3770.8	3743.8	3608.7
5°	5966.9	5881.9	5862.6	5793.2	5573.2	5349.3	5002.0	4623.7	4152.9	4187.6	3724.5
7.5°	6835.3	6785.1	6680.9	6615.3	6484.0	6186.8	5827.9	5326.2	4727.9	4612.2	3983.0
10°	7491.4	7421.9	7418.0	7360.2	7290.7	6985.8	6711.7	6036.3	5268.3	5110.0	4299.5
12.5°	7823.3	7811.7	8016.3	8016.3	7989.3	7861.9	7391.0	6773.5	5781.6	5727.6	4666.2
15°	8182.2	8085.7	8263.3	8398.4	8467.8	8533.5	8143.6	7491.4	6437.7	6333.5	5059.9
17.5°	8182.2	8174.5	8352.1	8575.9	8938.7	9023.6	8811.3	8151.4	6981.9	6904.7	5492.1
20°	8043.3	8155.2	8278.7	8579.8	8973.4	9316.9	9378.7	8826.8	7584.0	7522.3	5982.3
22.5°	8691.7	8583.6	8711.0	8826.8	9131.7	9652.7	9822.5	9421.1	8217.0	7981.5	6426.1
25°	9780.1	9706.8	9614.1	9444.3	9571.7	9799.4	10058.0	9861.1	8757.3	8494.9	6854.6
27.5°	10841.5	10845.3	10644.6	10274.1	10000.1	10046.4	10351.3	10247.1	9212.7	9096.9	7147.9
30°	12350.5	12257.9	12034.1	11532.3	10995.8	10555.9	10505.7	10606.0	9791.7	9567.8	7568.6
32.5°	13481.4	13500.7	13184.2	12462.5	11729.2	11370.2	10930.2	10972.7	10158.3	9992.4	7904.3
35°	14396.1	14372.9	14149.1	13550.9	12682.5	12250.2	11655.8	11412.7	11011.3	10748.8	8417.7
37.5°	15384.1	15195.0	14832.2	14156.8	13601.0	13002.8	12423.9	11875.8	11578.6	11262.2	8857.7
40°	15781.7	15781.7	15295.4	14986.6	14326.6	13875.1	13500.7	12485.6	12269.5	12207.7	9421.1
42.5°	15499.9	15673.6	15472.9	15121.7	14851.5	14280.3	14180.0	13118.6	13122.5	12998.9	10096.6
45°	15472.9	15233.6	15067.7	15156.4	15029.1	14998.2	15252.9	13994.7	14017.9	14002.4	11003.6
47.5°	14697.1	14589.1	14836.1	14982.8	15087.0	15565.5	16298.9	15040.6	15206.6	15090.8	12049.5
50°	13925.2	13905.9	14060.3	14592.9	15044.5	15831.9	17294.6	16653.9	17198.1	17190.4	13944.5
52.5°	11810.2	12014.8	12620.7	13747.7	14863.1	16194.6	18047.2	18714.9	19753.1	20034.9	15515.4
55°	9787.8	9679.7	10575.2	12211.6	14071.9	16337.5	18888.6	19953.8	21482.2	21686.8	17128.7
57.5°	7614.9	7815.6	8521.9	10092.7	12435.5	15631.2	19506.1	21177.3	23435.2	23593.4	19000.5
60°	5681.2	5708.3	6484.0	7750.0	10258.7	14037.2	19706.8	22431.7	25673.7	26125.3	20961.2
62.5°	3573.9	3736.0	4326.5	5573.2	7722.9	11806.3	18807.6	23192.0	28020.3	28139.9	22937.3
65°	1925.9	2030.1	2474.0	3257.5	5395.6	8931.0	16422.4	22736.6	29124.1	29834.3	23817.2
67°	1424.2	1443.5	1648.0	2080.3	3608.7	6723.3	13693.7	21088.5	29625.9	30143.0	23852.0
67.5°	1335.4	1362.4	1524.5	1868.0	3199.6	6190.7	12979.6	20501.9	29402.0	29957.8	23581.8
70°	1142.4	1150.1	1188.7	1285.2	1794.7	3724.5	8838.4	16800.6	27252.2	27784.9	21686.8
72.5°	1015.1	1022.8	1038.2	1057.5	1215.8	2153.6	5376.3	12929.5	23686.0	24535.1	18711.1
75°	891.6	918.6	926.3	910.9	1034.4	1401.0	2859.9	9502.2	19320.9	19733.8	14550.5
77.5°	756.5	768.0	783.5	798.9	922.4	1045.9	1374.0	6414.6	13261.4	13010.5	7869.6
80°	636.8	640.7	652.3	663.8	798.9	798.9	779.6	3465.9	5793.2	5538.4	2659.2
82.5°	455.4	482.4	509.5	540.3	663.8	536.5	509.5	1543.8	1833.3	1744.5	899.3
85°	177.5	216.1	335.8	370.5	420.7	289.5	339.6	667.7	764.2	756.5	335.8
87.5°	30.9	34.7	92.6	142.8	154.4	100.3	162.1	239.3	285.6	308.8	123.5
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°	3465.9	3465.9	3465.9	3465.9	3465.9	3465.9	3465.9	3465.9	3465.9	3465.9	3465.9
2.5°	3496.7	3377.1	3234.3	3091.5	2998.9	2852.2	2840.6	2751.9	2740.3	2709.4	2724.8
5°	3523.8	3381.0	3091.5	2863.8	2759.6	2674.7	2694.0	2655.4	2643.8	2624.5	2593.6
7.5°	3736.0	3454.3	3022.0	2825.2	2748.0	2709.4	2709.4	2663.1	2628.3	2651.5	2674.7
10°	3875.0	3489.0	3076.1	2879.2	2817.5	2732.6	2763.4	2705.5	2724.8	2678.5	2678.5
12.5°	4098.8	3685.9	3188.0	2960.3	2859.9	2782.7	2813.6	2748.0	2732.6	2736.4	2724.8
15°	4399.9	3817.1	3238.2	3006.6	2937.1	2840.6	2817.5	2759.6	2701.7	2682.4	2705.5
17.5°	4681.6	3979.2	3272.9	3033.6	2921.7	2813.6	2786.6	2713.3	2694.0	2636.1	2589.8
20°	5017.4	4172.2	3319.2	3056.8	2863.8	2755.7	2686.2	2612.9	2547.3	2512.6	2528.0
22.5°	5241.3	4272.5	3342.4	3010.4	2778.9	2678.5	2531.9	2481.7	2389.1	2350.5	2319.6
25°	5607.9	4396.0	3284.5	2883.1	2628.3	2466.2	2335.0	2265.6	2199.9	2149.8	2134.3
27.5°	5700.5	4488.6	3149.4	2666.9	2389.1	2219.2	2107.3	2022.4	1979.9	1902.8	1887.3
30°	5970.7	4396.0	2948.7	2404.5	2161.3	1987.7	1875.7	1814.0	1713.6	1694.3	1651.9
32.5°	6144.4	4423.0	2694.0	2149.8	1898.9	1744.5	1671.2	1609.4	1582.4	1489.8	1466.6
35°	6433.9	4330.4	2435.4	1914.3	1682.8	1563.1	1501.4	1482.1	1393.3	1350.8	1312.2
37.5°	6619.1	4276.4	2176.8	1648.0	1447.3	1397.2	1416.5	1335.4	1227.3	1146.3	1119.3
40°	6943.3	4257.1	1883.5	1428.0	1285.2	1273.6	1335.4	1181.0	984.2	914.7	876.1
42.5°	7410.3	4125.9	1655.7	1231.2	1157.9	1208.0	1219.6	984.2	872.3	814.4	787.3
45°	7858.0	4152.9	1431.9	1018.9	1007.3	1080.7	1053.7	833.7	768.0	725.6	748.8
47.5°	8718.7	4288.0	1211.9	849.1	907.0	976.5	818.2	744.9	683.1	652.3	656.1
50°	10050.3	4419.2	1018.9	775.8	856.8	883.8	702.4	675.4	671.6	609.8	605.9
52.5°	10849.2	4369.0	984.2	868.4	918.6	883.8	764.2	744.9	714.0	687.0	656.1
55°	12119.0	4515.7	1057.5	1015.1	1042.1	849.1	856.8	849.1	825.9	756.5	775.8
57.5°	13130.2	4612.2	1154.0	1134.7	1119.3	883.8	895.4	899.3	883.8	853.0	880.0
60°	14519.6	4805.1	1254.4	1258.2	1262.1	961.0	980.3	1003.5	999.6	988.0	995.8
62.5°	15372.6	4716.4	1366.3	1428.0	1408.7	1119.3	1115.4	1130.8	1130.8	1150.1	1161.7
65°	15245.2	4388.3	1424.2	1578.6	1478.2	1235.1	1235.1	1242.8	1246.6	1285.2	1289.1
67°	14481.0	3801.7	1393.3	1601.7	1478.2	1281.4	1281.4	1289.1	1262.1	1362.4	1331.5
67.5°	14125.9	3628.0	1366.3	1582.4	1466.6	1277.5	1277.5	1281.4	1258.2	1354.7	1323.8
70°	12284.9	2694.0	1177.2	1401.0	1358.6	1242.8	1242.8	1219.6	1200.3	1327.7	1300.7
72.5°	10486.4	1956.8	945.6	1192.6	1227.3	1196.5	1204.2	1146.3	1092.3	1181.0	1157.9
75°	8031.7	1439.6	737.2	918.6	1038.2	1119.3	1169.4	1022.8	953.3	976.5	934.0
77.5°	4480.9	937.9	582.8	679.3	791.2	1042.1	1123.1	922.4	779.6	752.6	752.6
80°	1520.7	548.1	428.4	505.6	544.2	922.4	1049.8	748.8	613.7	586.7	567.4
82.5°	575.1	335.8	293.3	347.4	347.4	729.5	856.8	575.1	463.1	598.2	609.8
85°	262.4	200.7	193.0	200.7	200.7	447.7	605.9	374.4	416.8	358.9	316.5
87.5°	104.2	96.5	88.8	84.9	69.5	77.2	208.4	100.3	189.1	50.2	46.3
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)