

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: P478406

Luminaire Tested: **IFLD-S-SA6B-722-U-T4W**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P478406
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-722-U-T4W
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

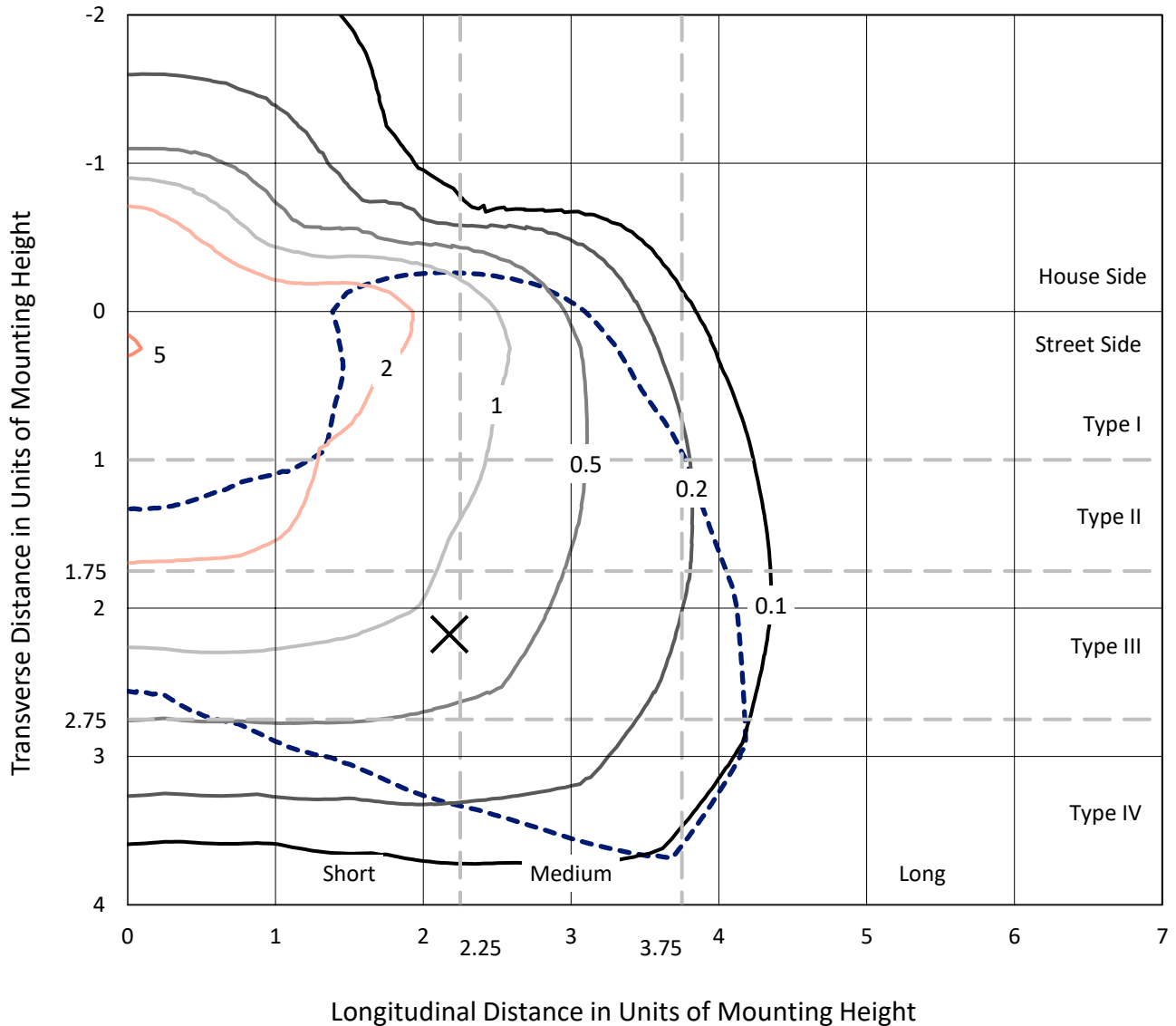
Lumens per Lamp: N/A
Luminaire Lumens: 24852.5 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

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

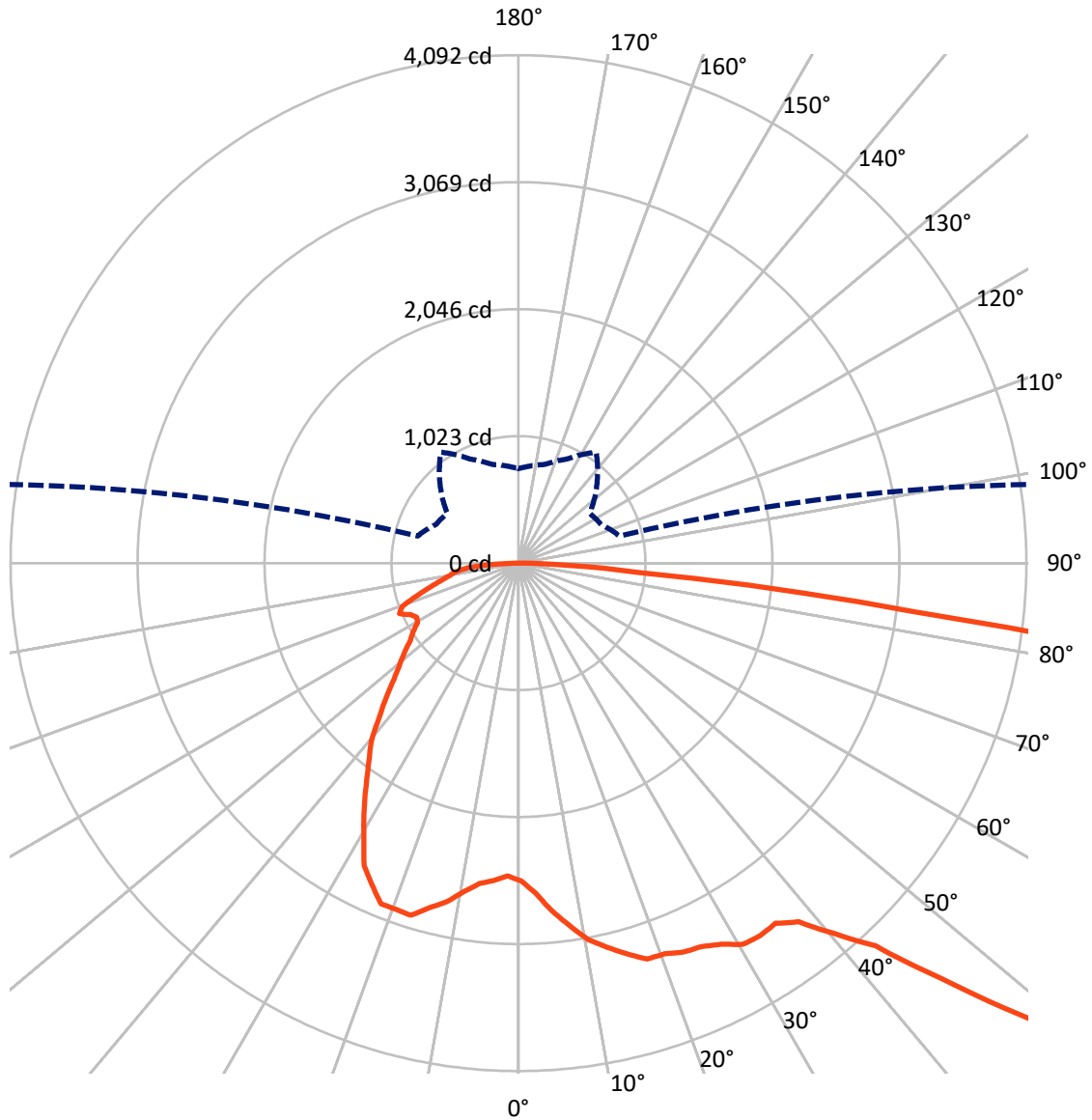
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5532.3	0.0	5532.3
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	19320.2	0.0	19320.2
	% Fixture	77.7	0.0	77.7
Total	Lumens	24852.5	0.0	24852.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	261.9	1.1
10°-20°	871.3	3.5
20°-30°	1471.4	5.9
30°-40°	2036.2	8.2
40°-50°	2912.6	11.7
50°-60°	4697.8	18.9
60°-70°	6928.5	27.9
70°-80°	5031.3	20.2
80°-90°	641.4	2.6
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°	24852.5	100.0
0°-180°	24852.5	100.0

Coefficient of Utilization



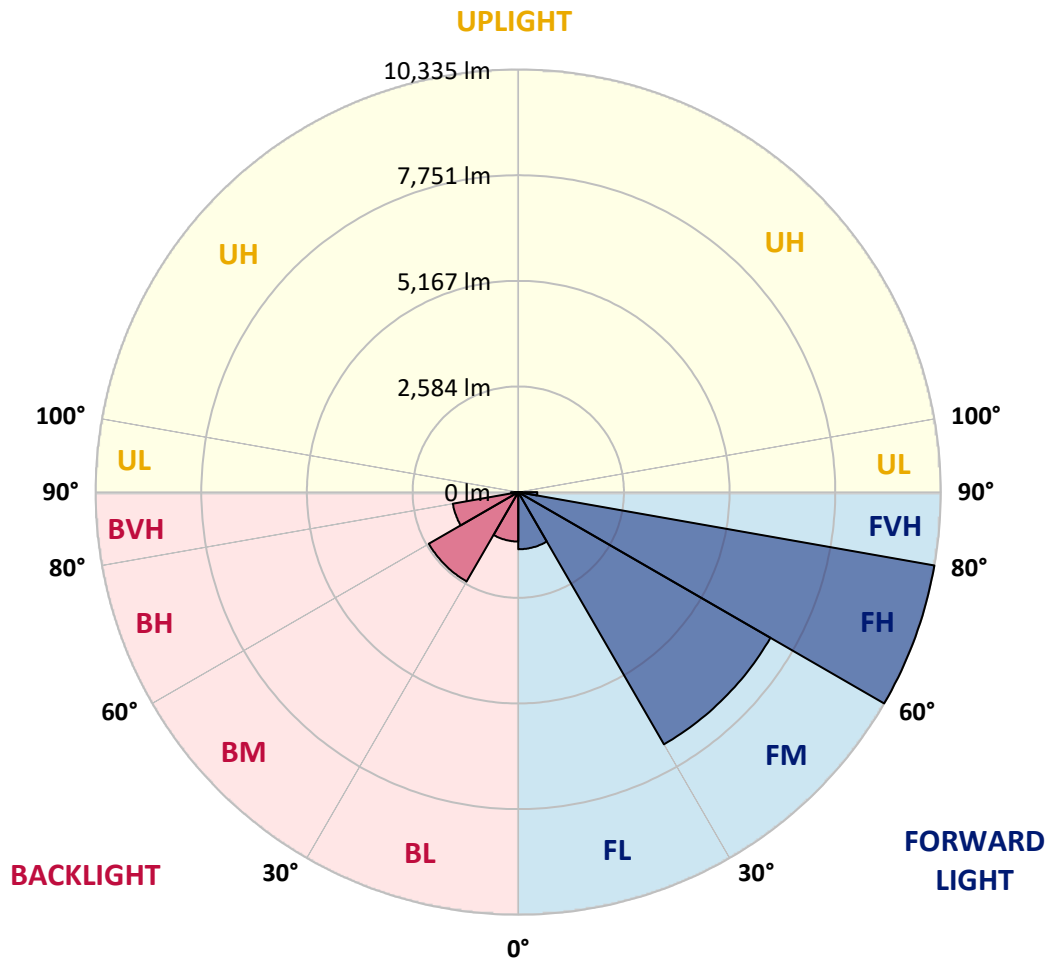
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1396.7	5.6			
FM (30°-60°)	7121.9	28.7			
FH (60°-80°)	10334.8	41.6			G4/12000
FVH (80°-90°)	466.8	1.9			G3/500
BL (0°-30°)	1207.9	4.9	B3/2500		
BM (30°-60°)	2524.8	10.2	B3/5000		
BH (60°-80°)	1625.0	6.5	B3/2500		G3/2500
BVH (80°-90°)	174.5	0.7			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	44°	45°	55°	65°	75°	85°
0°	2559.4	2559.4	2559.4	2559.4	2559.4	2559.4	2559.4	2559.4	2559.4	2559.4	2559.4
2.5°	2696.0	2712.1	2696.0	2693.4	2666.6	2647.8	2663.9	2639.8	2613.0	2602.2	2578.1
5°	2942.6	2945.3	2915.8	2918.5	2862.2	2803.2	2814.0	2741.6	2663.9	2634.4	2586.2
7.5°	3194.5	3165.0	3122.2	3108.8	3020.3	2956.0	2948.0	2883.6	2763.0	2696.0	2629.0
10°	3358.0	3368.7	3299.0	3240.1	3165.0	3087.3	3084.6	2964.0	2894.4	2795.2	2709.4
12.5°	3502.7	3505.4	3446.4	3352.6	3258.8	3162.3	3175.7	3122.2	3004.2	2910.4	2824.7
15°	3615.3	3599.2	3534.9	3449.1	3349.9	3274.9	3266.9	3221.3	3122.2	3044.4	2902.4
17.5°	3647.4	3639.4	3575.1	3483.9	3387.5	3331.2	3352.6	3277.6	3237.4	3167.7	3031.0
20°	3585.8	3567.0	3556.3	3454.5	3384.8	3379.4	3360.7	3376.7	3309.7	3245.4	3146.3
22.5°	3473.2	3465.2	3459.8	3379.4	3347.3	3371.4	3403.5	3427.7	3416.9	3355.3	3242.7
25°	3358.0	3395.5	3360.7	3323.1	3368.7	3430.3	3422.3	3500.0	3500.0	3481.3	3387.5
27.5°	3438.4	3414.3	3387.5	3368.7	3384.8	3481.3	3475.9	3569.7	3604.5	3569.7	3462.5
30°	3639.4	3615.3	3537.5	3454.5	3433.0	3537.5	3564.3	3647.4	3663.5	3577.7	3486.6
32.5°	4017.3	4003.9	3880.6	3636.7	3505.4	3564.3	3577.7	3671.5	3658.1	3604.5	3567.0
35°	4577.4	4531.8	4360.3	3947.6	3658.1	3599.2	3564.3	3639.4	3690.3	3663.5	3628.7
37.5°	5191.1	5140.2	4928.4	4405.8	3934.2	3693.0	3666.2	3727.8	3786.8	3773.4	3701.0
40°	5778.0	5778.0	5587.7	4979.4	4344.2	3920.8	3926.1	3856.5	3910.1	3885.9	3899.3
42.5°	6356.9	6335.4	6257.7	5652.0	4783.7	4301.3	4215.6	4041.4	4137.9	4129.8	4148.6
45°	6943.8	6927.7	6906.2	6279.1	5413.5	4815.9	4770.3	4456.8	4545.2	4507.7	4588.1
47.5°	7412.8	7431.5	7431.5	6978.6	6086.2	5502.0	5435.0	4939.2	5108.0	5126.8	5145.5
50°	7812.1	7820.1	7812.1	7645.9	6836.6	6287.2	6150.5	5646.7	5815.5	5962.9	6134.4
52.5°	8364.1	8374.9	8337.3	8273.0	7855.0	7112.6	6959.8	6399.7	6745.5	6900.9	7209.1
55°	9044.9	8964.5	8894.8	8943.0	8833.1	8021.1	7863.0	7176.9	7696.8	7903.2	8519.6
57.5°	9170.8	9240.5	9417.4	9800.6	9958.7	8905.5	8814.4	8131.0	8771.5	8951.1	9980.2
60°	9615.7	9500.4	9934.6	10765.4	10942.3	10057.9	9964.1	9176.2	9840.8	10028.4	11328.2
62.5°	9907.8	9902.4	10545.6	11531.9	11933.8	11253.1	11062.9	10534.9	10995.9	11178.1	12796.8
65°	9822.0	9899.8	11041.4	11982.1	12762.0	12611.9	12502.0	11703.4	12311.7	12295.6	13753.5
67.5°	9039.5	9259.3	10727.9	12306.4	13994.7	14268.1	14233.3	13346.2	13381.0	13040.7	14179.7
70°	7954.1	7879.1	9401.3	11968.7	14611.1	16232.5	16224.5	14568.2	14343.1	13204.1	12957.6
72°	6110.3	6027.2	7278.8	10277.6	14286.9	17017.7	17258.9	15415.1	14332.4	12526.1	10703.7
72.5°	5547.5	5475.2	6721.3	9674.6	13927.7	17221.4	17108.8	15447.3	14219.9	12207.2	9998.9
75°	2554.0	2470.9	3358.0	5922.7	10864.5	15259.7	15642.9	14455.7	12418.9	9717.5	5989.7
77.5°	761.1	737.0	1080.0	2390.5	6314.0	11242.4	11389.8	10907.4	8669.7	5322.4	2221.7
80°	423.4	426.1	557.4	895.1	2776.4	6498.9	7029.5	6737.4	4253.1	1758.1	739.7
82.5°	235.8	249.2	348.4	530.6	1275.7	2982.8	3210.6	3095.4	1538.3	825.4	404.7
85°	123.3	128.6	182.2	284.1	723.6	943.3	970.1	1039.8	798.6	562.8	217.1
87.5°	48.2	48.2	67.0	117.9	268.0	292.1	262.6	318.9	458.3	364.5	107.2
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°	2559.4	2559.4	2559.4	2559.4	2559.4	2559.4	2559.4	2559.4	2559.4	2559.4	2559.4
2.5°	2599.6	2578.1	2575.4	2540.6	2551.3	2521.8	2524.5	2519.2	2521.8	2516.5	2503.1
5°	2586.2	2570.1	2524.5	2554.0	2527.2	2564.7	2594.2	2583.5	2591.5	2588.8	2591.5
7.5°	2604.9	2583.5	2578.1	2562.0	2586.2	2602.2	2626.4	2693.4	2688.0	2696.0	2712.1
10°	2661.2	2637.1	2621.0	2645.1	2631.7	2682.6	2709.4	2744.3	2805.9	2808.6	2776.4
12.5°	2771.1	2755.0	2722.8	2728.2	2773.8	2789.8	2805.9	2827.4	2867.6	2859.5	2889.0
15°	2897.0	2862.2	2843.4	2838.1	2848.8	2867.6	2864.9	2886.3	2907.8	2926.5	2918.5
17.5°	2988.2	2942.6	2948.0	2974.8	2972.1	2966.7	2931.9	2921.2	2931.9	2942.6	2937.2
20°	3082.0	3087.3	3047.1	3023.0	3012.3	2958.7	2931.9	2899.7	2867.6	2883.6	2907.8
22.5°	3199.9	3175.7	3116.8	3044.4	2990.8	2958.7	2875.6	2819.3	2819.3	2835.4	2827.4
25°	3333.9	3282.9	3181.1	3049.8	2982.8	2846.1	2787.2	2779.1	2757.7	2781.8	2792.5
27.5°	3438.4	3392.8	3253.5	3031.0	2846.1	2736.2	2701.4	2690.7	2725.5	2728.2	2771.1
30°	3481.3	3467.9	3264.2	2982.8	2706.8	2529.9	2508.4	2556.7	2594.2	2650.5	2653.2
32.5°	3537.5	3542.9	3280.3	2870.2	2524.5	2347.6	2315.5	2374.4	2481.6	2527.2	2562.0
35°	3631.3	3658.1	3266.9	2730.9	2331.6	2162.7	2157.4	2173.4	2278.0	2358.4	2403.9
37.5°	3794.8	3789.5	3264.2	2564.7	2178.8	2001.9	1959.0	1964.4	2034.1	2101.1	2093.0
40°	4014.6	3993.1	3256.1	2347.6	1980.5	1865.3	1792.9	1766.1	1760.7	1742.0	1747.3
42.5°	4314.7	4271.9	3253.5	2127.9	1800.9	1677.7	1626.7	1557.1	1506.1	1409.7	1415.0
45°	4732.8	4657.8	3183.8	1921.5	1624.1	1522.2	1444.5	1393.6	1283.7	1163.1	1163.1
47.5°	5378.7	5134.8	3186.5	1693.7	1452.5	1369.5	1315.9	1227.4	1109.5	1013.0	1002.3
50°	6330.1	5772.6	3095.4	1514.2	1313.2	1256.9	1200.6	1098.8	986.2	919.2	927.3
52.5°	7557.5	6724.0	3092.7	1353.4	1203.3	1163.1	1101.5	1010.3	927.3	884.4	868.3
55°	9020.7	7983.6	3189.1	1222.1	1090.7	1069.3	1042.5	967.5	887.1	849.5	846.9
57.5°	10518.8	9213.7	3344.6	1128.3	994.3	1010.3	991.6	932.6	868.3	825.4	820.1
60°	11850.8	10189.2	3031.0	1015.7	908.5	943.3	970.1	919.2	884.4	881.7	862.9
62.5°	12855.8	10607.3	2304.8	929.9	862.9	927.3	999.6	1031.8	1015.7	1037.1	1039.8
65°	13222.9	10355.4	1586.5	884.4	828.1	964.8	1125.6	1114.9	1021.1	980.9	1002.3
67.5°	12708.4	9334.3	1176.5	830.8	804.0	1042.5	1197.9	1063.9	921.9	916.5	900.5
70°	10928.9	7911.2	959.4	774.5	763.8	999.6	1165.8	986.2	868.3	833.5	817.4
72°	8707.2	6161.2	841.5	734.3	699.5	892.4	1090.7	924.6	822.7	779.9	761.1
72.5°	7948.8	5711.0	825.4	715.5	686.1	868.3	1053.2	905.8	812.0	774.5	745.0
75°	4360.3	2923.8	726.3	656.6	578.9	750.4	975.5	849.5	766.5	712.9	707.5
77.5°	1621.4	1133.6	627.1	581.6	501.2	648.5	887.1	806.7	696.8	629.8	616.4
80°	621.8	597.6	511.9	490.4	420.8	568.2	817.4	723.6	592.3	525.3	503.8
82.5°	377.9	348.4	388.6	383.2	321.6	517.2	769.1	678.0	525.3	426.1	412.7
85°	206.4	206.4	270.7	260.0	225.1	412.7	581.6	450.2	332.3	273.4	278.7
87.5°	91.1	107.2	144.7	136.7	123.3	233.2	284.1	238.5	166.2	112.6	120.6
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)