

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: P476847

Luminaire Tested: **IFLD-S-SA6C-722-U-T2R**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476847
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-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

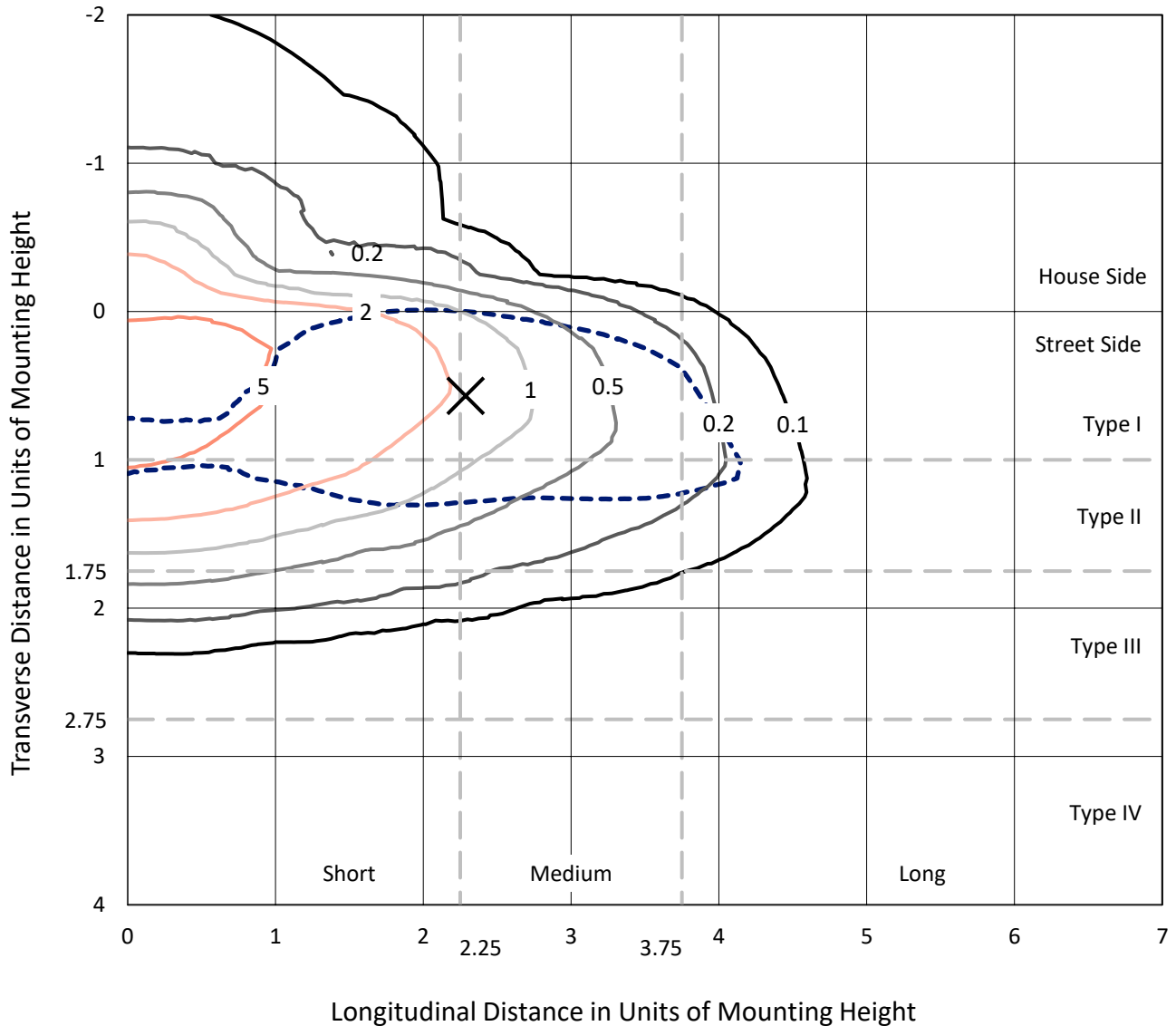
Lumens per Lamp: N/A
Luminaire Lumens: 30779.1 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 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

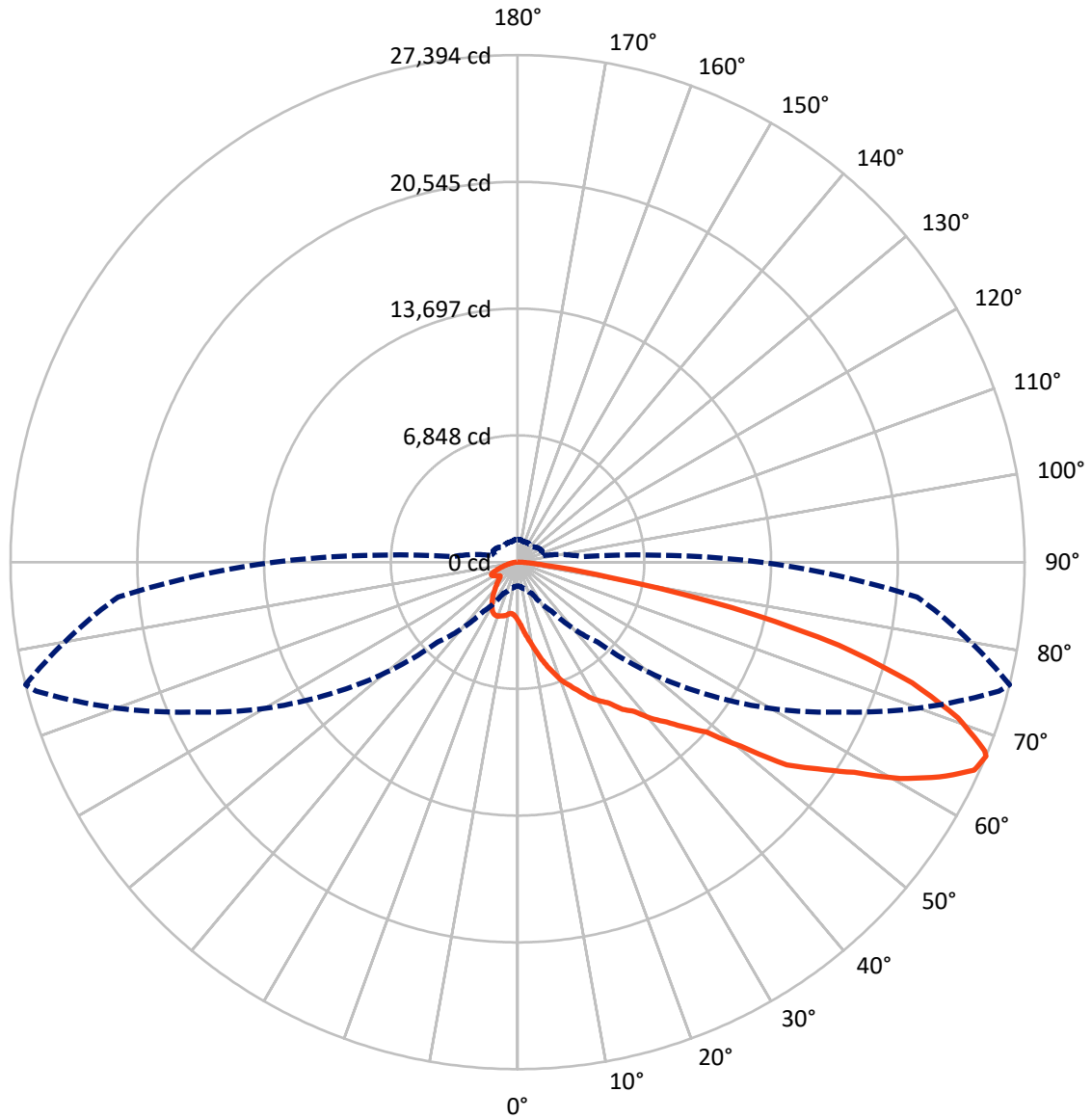
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.2 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
House Side	Lumens	4378.7	0.0	4378.7
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	26400.4	0.0	26400.4
	% Fixture	85.8	0.0	85.8
Total	Lumens	30779.1	0.0	30779.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.9	1.2
10°-20°	1368.4	4.4
20°-30°	2544.0	8.3
30°-40°	4032.9	13.1
40°-50°	5577.8	18.1
50°-60°	6861.1	22.3
60°-70°	6384.6	20.7
70°-80°	3203.7	10.4
80°-90°	441.8	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°	30779.1	100.0
0°-180°	30779.1	100.0

Coefficient of Utilization



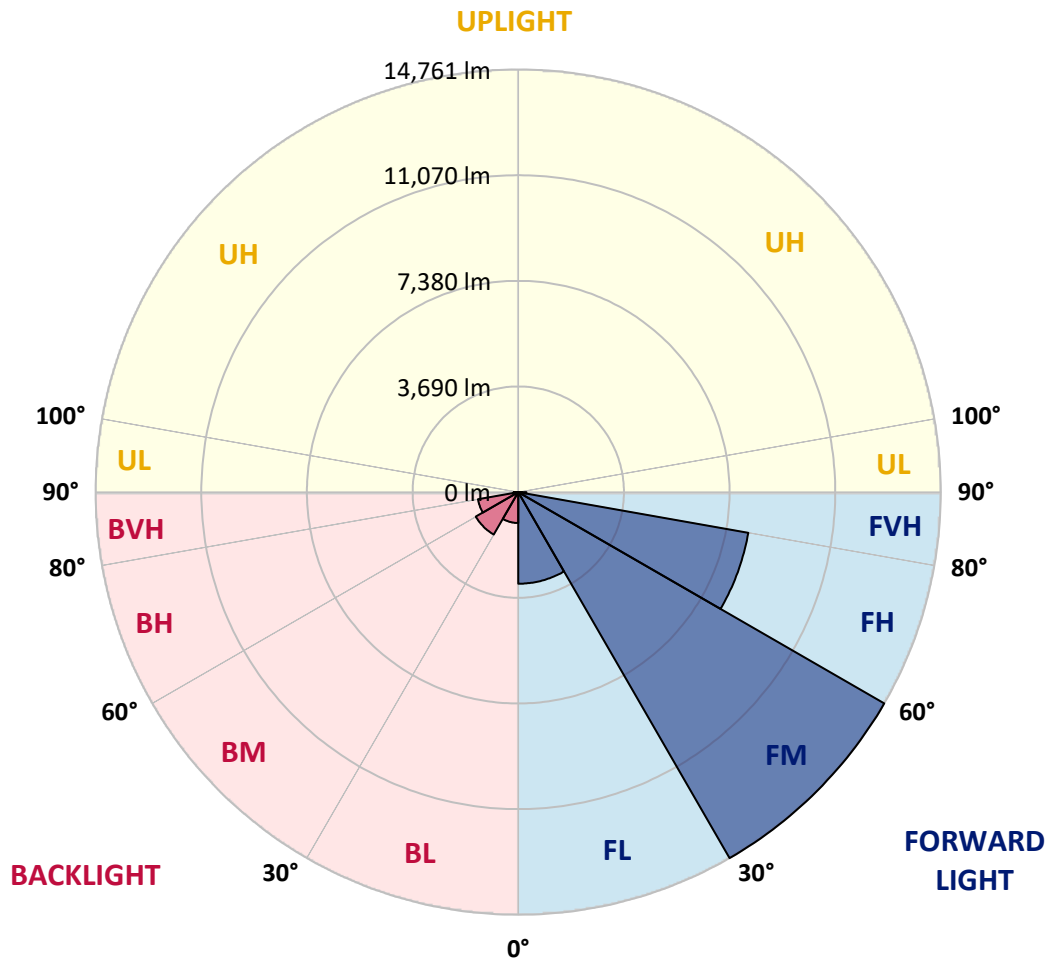
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3199.0	10.4			
FM (30°-60°)	14760.7	48.0			
FH (60°-80°)	8159.3	26.5			G4/12000
FVH (80°-90°)	281.4	0.9			G3/500
BL (0°-30°)	1078.3	3.5	B3/2500		
BM (30°-60°)	1711.1	5.6	B2/2500		
BH (60°-80°)	1429.0	4.6	B3/2500		G3/2500
BVH (80°-90°)	160.3	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°	3149.8	3149.8	3149.8	3149.8	3149.8	3149.8	3149.8	3149.8	3149.8	3149.8	3149.8
2.5°	4370.4	4317.8	4265.2	4152.9	4114.3	4009.1	3816.2	3602.2	3426.9	3402.3	3279.5
5°	5422.7	5345.5	5328.0	5264.8	5064.9	4861.4	4545.8	4202.0	3774.1	3805.7	3384.8
7.5°	6211.8	6166.3	6071.5	6011.9	5892.7	5622.6	5296.4	4840.4	4296.7	4191.5	3619.8
10°	6808.1	6745.0	6741.5	6688.9	6625.7	6348.6	6099.6	5485.8	4787.8	4644.0	3907.4
12.5°	7109.8	7099.3	7285.2	7285.2	7260.6	7144.9	6716.9	6155.7	5254.3	5205.2	4240.6
15°	7436.0	7348.3	7509.6	7632.4	7695.5	7755.2	7400.9	6808.1	5850.6	5755.9	4598.4
17.5°	7436.0	7429.0	7590.3	7793.7	8123.5	8200.6	8007.7	7407.9	6345.1	6275.0	4991.2
20°	7309.7	7411.4	7523.7	7797.3	8155.0	8467.2	8523.3	8021.7	6892.3	6836.2	5436.7
22.5°	7899.0	7800.8	7916.5	8021.7	8298.8	8772.4	8926.7	8561.9	7467.5	7253.6	5840.1
25°	8888.1	8821.5	8737.3	8582.9	8698.7	8905.6	9140.6	8961.8	7958.6	7720.1	6229.4
27.5°	9852.7	9856.2	9673.8	9337.1	9088.0	9130.1	9407.2	9312.5	8372.5	8267.3	6496.0
30°	11224.1	11139.9	10936.5	10480.5	9993.0	9593.1	9547.5	9638.7	8898.6	8695.2	6878.3
32.5°	12251.8	12269.4	11981.7	11325.8	10659.4	10333.2	9933.3	9971.9	9231.8	9081.0	7183.4
35°	13083.1	13062.1	12858.6	12315.0	11525.8	11132.9	10592.8	10371.8	10007.0	9768.5	7649.9
37.5°	13981.0	13809.2	13479.5	12865.6	12360.6	11816.9	11290.8	10792.7	10522.6	10235.0	8049.8
40°	14342.3	14342.3	13900.4	13619.8	13020.0	12609.6	12269.4	11346.9	11150.5	11094.3	8561.9
42.5°	14086.3	14244.1	14061.7	13742.5	13497.0	12977.9	12886.7	11922.1	11925.6	11813.4	9175.7
45°	14061.7	13844.3	13693.4	13774.1	13658.4	13630.3	13861.8	12718.3	12739.4	12725.3	10000.0
47.5°	13356.7	13258.5	13483.0	13616.3	13711.0	14145.9	14812.3	13668.9	13819.7	13714.5	10950.5
50°	12655.2	12637.7	12778.0	13262.0	13672.4	14387.9	15717.3	15135.0	15629.6	15622.6	12672.7
52.5°	10733.1	10919.0	11469.6	12493.9	13507.5	14717.6	16401.2	17008.1	17951.6	18207.6	14100.3
55°	8895.1	8796.9	9610.7	11097.9	12788.5	14847.4	17165.9	18134.0	19523.0	19708.9	15566.5
57.5°	6920.4	7102.8	7744.6	9172.2	11301.3	14205.5	17727.1	19245.9	21297.8	21441.6	17267.6
60°	5163.1	5187.6	5892.7	7043.1	9323.0	12756.9	17909.5	20385.8	23332.1	23742.5	19049.4
62.5°	3248.0	3395.3	3932.0	5064.9	7018.6	10729.6	17092.2	21076.8	25464.7	25573.5	20845.3
65°	1750.3	1845.0	2248.3	2960.4	4903.5	8116.4	14924.6	20662.9	26467.9	27113.3	21645.0
67°	1294.3	1311.8	1497.7	1890.6	3279.5	6110.1	12444.7	19165.2	26923.9	27393.9	21676.6
67.5°	1213.6	1238.2	1385.5	1697.6	2907.7	5626.1	11795.9	18632.0	26720.4	27225.5	21431.1
70°	1038.2	1045.2	1080.3	1168.0	1631.0	3384.8	8032.3	15268.3	24766.7	25250.8	19708.9
72.5°	922.5	929.5	943.5	961.1	1104.9	1957.2	4886.0	11750.3	21525.8	22297.4	17004.5
75°	810.2	834.8	841.8	827.8	940.0	1273.2	2599.1	8635.6	17558.7	17934.0	13223.4
77.5°	687.5	698.0	712.0	726.1	838.3	950.5	1248.7	5829.5	12051.9	11823.9	7151.9
80°	578.7	582.3	592.8	603.3	726.1	726.1	708.5	3149.8	5264.8	5033.3	2416.7
82.5°	413.9	438.4	463.0	491.1	603.3	487.5	463.0	1403.0	1666.1	1585.4	817.3
85°	161.3	196.4	305.2	336.7	382.3	263.1	308.7	606.8	694.5	687.5	305.2
87.5°	28.1	31.6	84.2	129.8	140.3	91.2	147.3	217.5	259.6	280.6	112.2
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°	3149.8	3149.8	3149.8	3149.8	3149.8	3149.8	3149.8	3149.8	3149.8	3149.8	3149.8
2.5°	3177.8	3069.1	2939.3	2809.5	2725.4	2592.1	2581.5	2500.9	2490.4	2462.3	2476.3
5°	3202.4	3072.6	2809.5	2602.6	2507.9	2430.7	2448.3	2413.2	2402.7	2385.1	2357.1
7.5°	3395.3	3139.2	2746.4	2567.5	2497.4	2462.3	2462.3	2420.2	2388.6	2409.7	2430.7
10°	3521.6	3170.8	2795.5	2616.6	2560.5	2483.3	2511.4	2458.8	2476.3	2434.2	2434.2
12.5°	3725.0	3349.7	2897.2	2690.3	2599.1	2528.9	2557.0	2497.4	2483.3	2486.8	2476.3
15°	3998.6	3469.0	2942.8	2732.4	2669.2	2581.5	2560.5	2507.9	2455.3	2437.7	2458.8
17.5°	4254.6	3616.3	2974.4	2756.9	2655.2	2557.0	2532.4	2465.8	2448.3	2395.6	2353.6
20°	4559.8	3791.6	3016.5	2778.0	2602.6	2504.4	2441.2	2374.6	2315.0	2283.4	2297.4
22.5°	4763.2	3882.8	3037.5	2735.9	2525.4	2434.2	2300.9	2255.3	2171.2	2136.1	2108.0
25°	5096.5	3995.1	2984.9	2620.1	2388.6	2241.3	2122.1	2058.9	1999.3	1953.7	1939.7
27.5°	5180.6	4079.3	2862.2	2423.7	2171.2	2016.8	1915.1	1837.9	1799.4	1729.2	1715.2
30°	5426.2	3995.1	2679.8	2185.2	1964.2	1806.4	1704.7	1648.5	1557.3	1539.8	1501.2
32.5°	5584.0	4019.6	2448.3	1953.7	1725.7	1585.4	1518.8	1462.6	1438.1	1353.9	1332.9
35°	5847.1	3935.5	2213.3	1739.7	1529.3	1420.6	1364.4	1346.9	1266.2	1227.6	1192.6
37.5°	6015.4	3886.4	1978.3	1497.7	1315.3	1269.7	1287.3	1213.6	1115.4	1041.7	1017.2
40°	6310.1	3868.8	1711.7	1297.8	1168.0	1157.5	1213.6	1073.3	894.4	831.3	796.2
42.5°	6734.5	3749.6	1504.7	1118.9	1052.3	1097.9	1108.4	894.4	792.7	740.1	715.5
45°	7141.3	3774.1	1301.3	926.0	915.5	982.1	957.6	757.6	698.0	659.4	680.5
47.5°	7923.5	3896.9	1101.4	771.7	824.3	887.4	743.6	677.0	620.8	592.8	596.3
50°	9133.6	4016.1	926.0	705.0	778.7	803.2	638.4	613.8	610.3	554.2	550.7
52.5°	9859.7	3970.5	894.4	789.2	834.8	803.2	694.5	677.0	648.9	624.3	596.3
55°	11013.7	4103.8	961.1	922.5	947.0	771.7	778.7	771.7	750.6	687.5	705.0
57.5°	11932.6	4191.5	1048.8	1031.2	1017.2	803.2	813.7	817.3	803.2	775.2	799.7
60°	13195.4	4366.9	1139.9	1143.5	1147.0	873.4	890.9	912.0	908.5	897.9	904.9
62.5°	13970.5	4286.2	1241.7	1297.8	1280.3	1017.2	1013.7	1027.7	1027.7	1045.2	1055.8
65°	13854.8	3988.1	1294.3	1434.6	1343.4	1122.4	1122.4	1129.4	1132.9	1168.0	1171.5
67°	13160.3	3454.9	1266.2	1455.6	1343.4	1164.5	1164.5	1171.5	1147.0	1238.2	1210.1
67.5°	12837.6	3297.1	1241.7	1438.1	1332.9	1161.0	1161.0	1164.5	1143.5	1231.1	1203.1
70°	11164.5	2448.3	1069.8	1273.2	1234.7	1129.4	1129.4	1108.4	1090.8	1206.6	1182.0
72.5°	9530.0	1778.3	859.3	1083.8	1115.4	1087.3	1094.4	1041.7	992.6	1073.3	1052.3
75°	7299.2	1308.3	669.9	834.8	943.5	1017.2	1062.8	929.5	866.4	887.4	848.8
77.5°	4072.3	852.3	529.6	617.3	719.0	947.0	1020.7	838.3	708.5	684.0	684.0
80°	1382.0	498.1	389.3	459.5	494.6	838.3	954.1	680.5	557.7	533.1	515.6
82.5°	522.6	305.2	266.6	315.7	315.7	662.9	778.7	522.6	420.9	543.7	554.2
85°	238.5	182.4	175.4	182.4	182.4	406.9	550.7	340.2	378.8	326.2	287.6
87.5°	94.7	87.7	80.7	77.2	63.1	70.2	189.4	91.2	171.9	45.6	42.1
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)