

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: P478017

Luminaire Tested: **IFLD-S-SA6C-722-U-T4FT**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P478017
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-T4FT
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4FT distribution lens
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

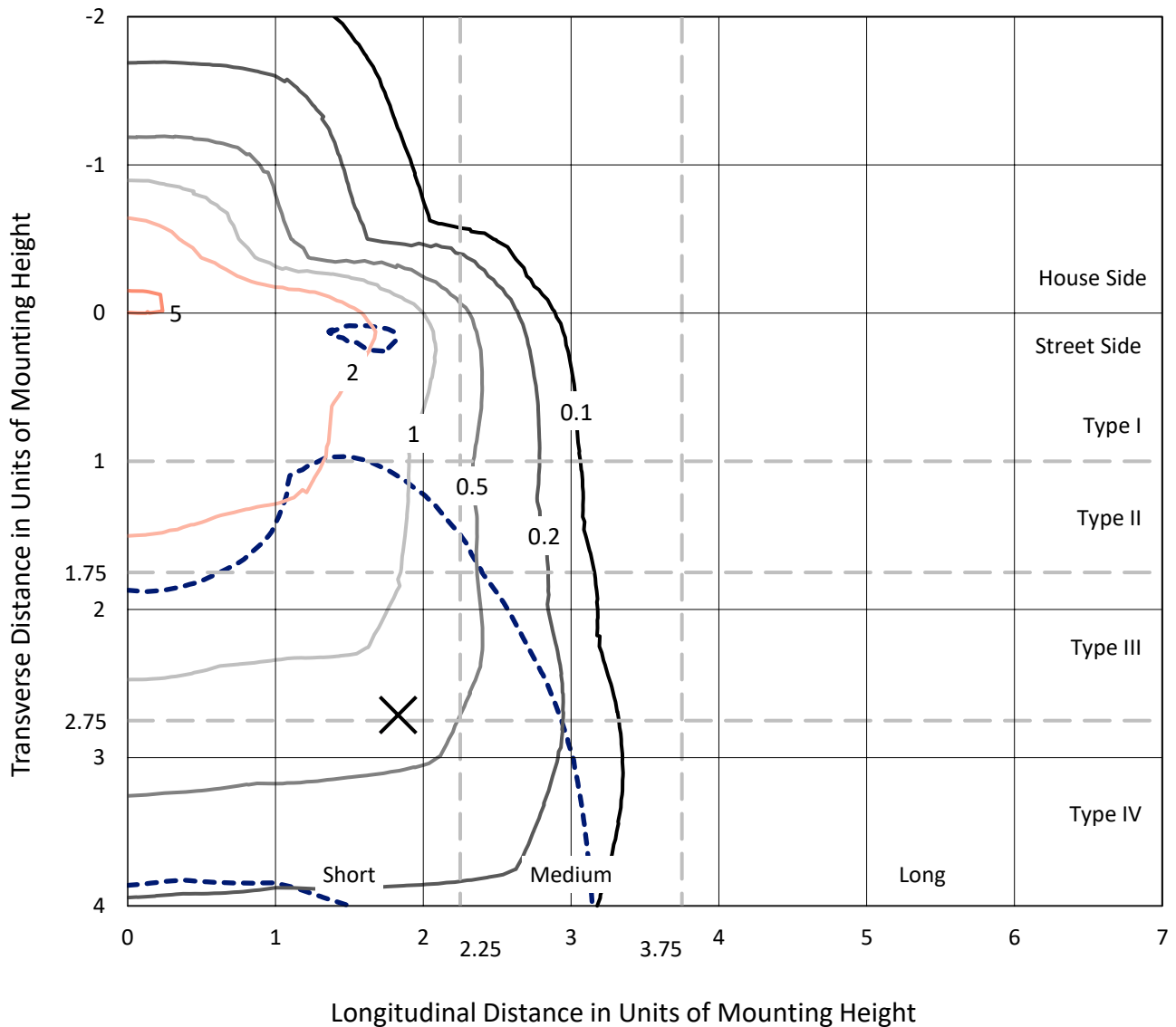
Lumens per Lamp: N/A
Luminaire Lumens: 31356.7 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

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

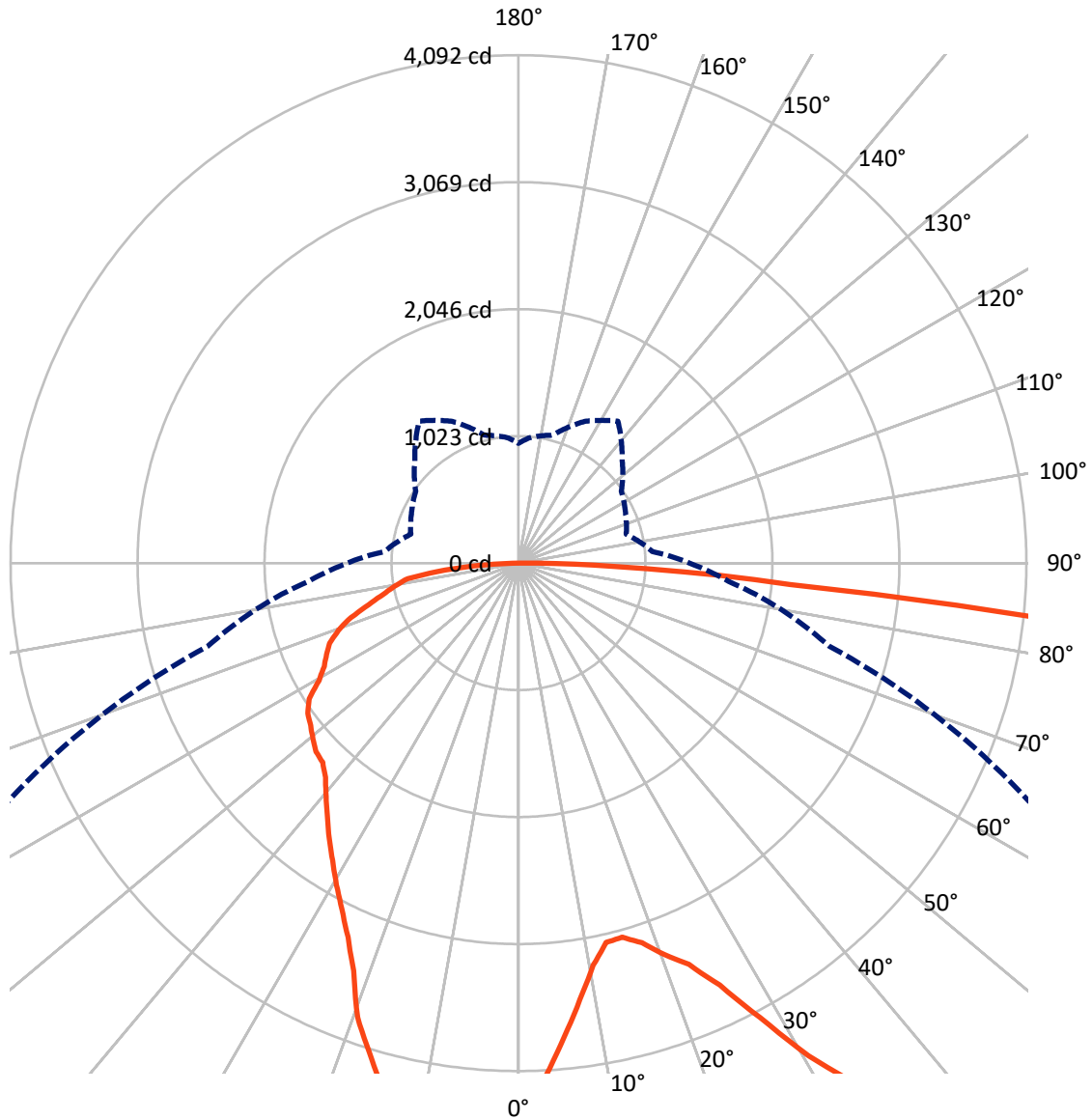
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 34-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6773.4	0.0	6773.4
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	24583.3	0.0	24583.3
	% Fixture	78.4	0.0	78.4
Total	Lumens	31356.7	0.0	31356.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.9	1.3
10°-20°	1161.2	3.7
20°-30°	1911.1	6.1
30°-40°	2858.0	9.1
40°-50°	4236.9	13.5
50°-60°	6105.9	19.5
60°-70°	7791.9	24.8
70°-80°	6063.4	19.3
80°-90°	813.4	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°	31356.7	100.0
0°-180°	31356.7	100.0

Coefficient of Utilization



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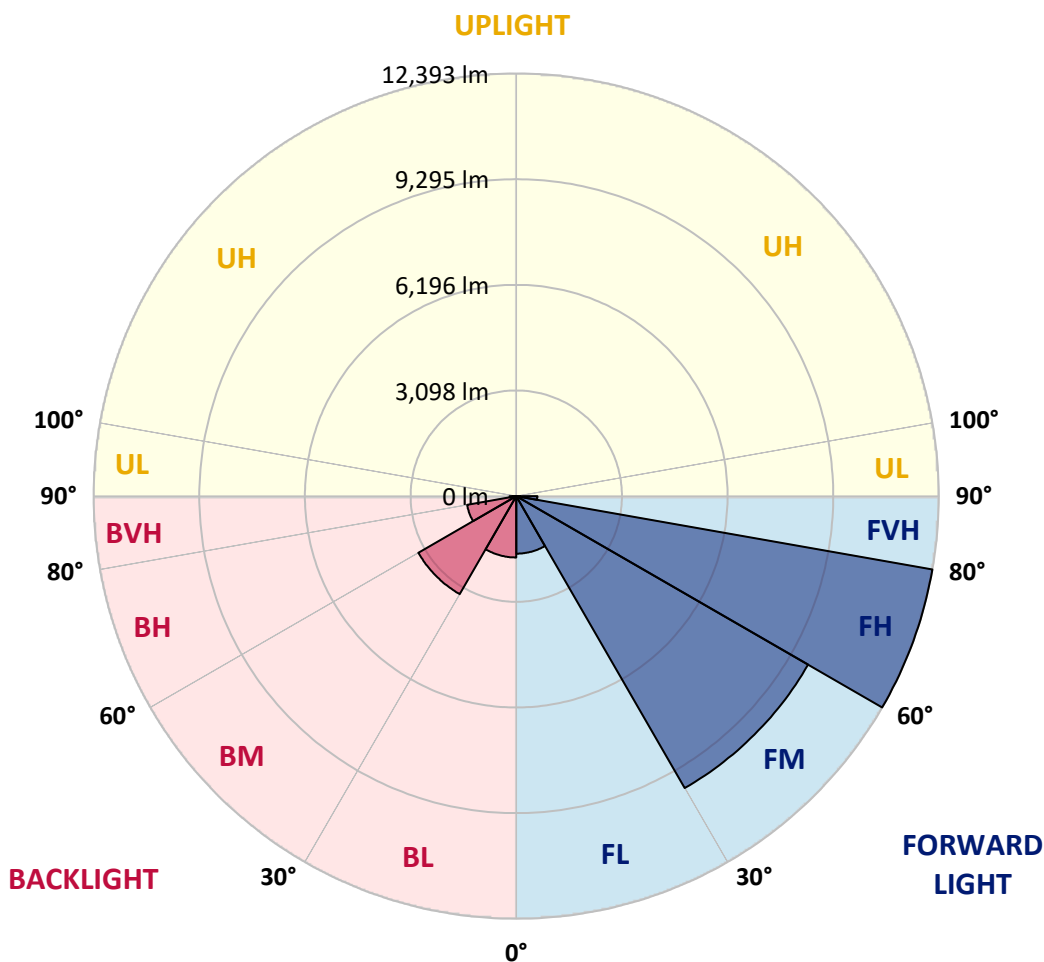
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1687.5	5.4			
FM (30°-60°)	9883.8	31.5			
FH (60°-80°)	12392.7	39.5			G5
FVH (80°-90°)	619.2	2.0			G4/750
BL (0°-30°)	1799.7	5.7	B3/2500		
BM (30°-60°)	3317.0	10.6	B3/5000		
BH (60°-80°)	1462.5	4.7	B3/2500		G3/2500
BVH (80°-90°)	194.3	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-G5

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	4495.5	4495.5	4495.5	4495.5	4495.5	4495.5	4495.5	4495.5	4495.5	4495.5	4495.5
2.5°	4028.0	4041.3	4084.4	4094.3	4140.7	4114.2	4170.6	4270.0	4326.4	4409.3	4508.7
5°	3709.8	3653.4	3679.9	3782.7	3835.7	3849.0	3908.7	4077.8	4183.8	4306.5	4492.2
7.5°	3335.1	3325.2	3378.2	3444.5	3550.6	3560.6	3693.2	3842.4	4061.2	4333.0	4551.8
10°	3079.9	3123.0	3152.8	3222.4	3295.4	3295.4	3464.4	3723.0	3971.7	4233.6	4565.1
12.5°	3066.6	3040.1	3046.7	3083.2	3136.2	3202.5	3361.7	3593.7	3908.7	4213.7	4621.5
15°	3109.7	3119.6	3060.0	3106.4	3126.3	3149.5	3325.2	3587.1	3868.9	4283.3	4717.6
17.5°	3338.5	3282.1	3189.3	3146.2	3215.8	3215.8	3335.1	3540.7	3875.5	4319.8	4856.8
20°	3517.5	3517.5	3365.0	3318.6	3368.3	3358.3	3441.2	3593.7	3908.7	4392.7	5012.7
22.5°	3819.2	3862.3	3610.3	3514.2	3510.8	3537.4	3610.3	3739.6	4001.5	4495.5	5161.8
25°	4253.5	4263.4	3971.7	3872.2	3766.1	3809.2	3822.5	3951.8	4084.4	4614.8	5330.9
27.5°	4737.5	4730.9	4462.3	4213.7	4144.1	4154.0	4081.1	4167.3	4207.0	4651.3	5572.9
30°	5274.6	5214.9	5012.7	4661.2	4604.9	4541.9	4382.8	4379.4	4462.3	4856.8	5907.8
32.5°	5626.0	5549.7	5410.5	5158.5	5002.7	5009.3	4757.4	4754.1	4681.1	5082.3	6199.5
35°	5970.8	5854.7	5818.3	5559.7	5403.8	5420.4	5218.2	5191.7	5059.1	5423.7	6680.2
37.5°	6385.2	6282.4	6338.7	6143.1	5950.9	5871.3	5778.5	5745.3	5572.9	5904.5	7336.6
40°	6842.7	6809.5	6773.0	6676.9	6560.9	6567.5	6468.0	6434.9	6179.6	6484.6	7966.5
42.5°	7459.3	7333.3	7144.4	7207.3	7267.0	7330.0	7296.9	7210.7	6945.4	7074.7	8669.4
45°	8032.8	7867.1	7519.0	7538.9	7784.2	7833.9	8235.1	8225.1	7691.4	7824.0	9468.3
47.5°	8420.7	8344.5	8135.6	8112.4	8463.8	8460.5	9183.2	9183.2	8477.1	8569.9	10327.0
50°	8997.6	8798.7	8709.1	8825.2	9004.2	9126.9	10151.3	10214.3	9249.5	9349.0	11450.9
52.5°	9673.9	9425.2	9199.8	9498.2	9816.4	9896.0	11109.4	11082.9	9843.0	10254.1	12767.0
55°	10234.2	10108.2	9952.4	10124.8	10645.3	10744.7	12070.8	11825.5	10436.4	11003.3	13400.2
57.5°	10887.3	10963.5	10996.7	10953.6	11573.5	11729.3	13168.2	12465.3	10946.9	11507.2	13771.5
60°	11871.9	11918.3	11961.4	12064.2	12720.6	12939.4	14036.7	13267.6	11268.5	11799.0	13801.4
62.5°	13370.4	13191.4	13287.5	13642.2	14169.4	14418.0	15316.4	13831.2	11513.8	11974.7	12826.7
65°	15084.4	14842.4	14742.9	15200.4	16566.3	16367.4	16914.4	14252.2	11159.1	11318.2	10877.3
67.5°	16821.6	16848.1	16592.8	17511.1	19185.3	19185.3	18399.6	14454.5	10197.7	9173.3	7628.4
70°	18200.7	18283.6	18422.8	20203.1	22855.3	23256.4	20239.6	13625.7	8238.4	6106.7	4170.6
72.5°	18180.8	17932.2	18644.9	21923.7	26190.4	25855.6	20624.1	10774.5	5141.9	2990.4	1912.9
73°	17773.0	17564.2	18343.3	21907.1	26326.4	26011.4	20342.3	9932.5	4535.3	2592.5	1700.7
75°	14514.1	14136.2	15462.3	19841.7	24357.1	24599.1	17282.4	6478.0	2486.4	1597.9	1196.8
77.5°	6617.2	6783.0	8510.2	13310.7	18770.9	19056.0	11361.3	2801.4	1362.6	1120.6	881.9
80°	2125.1	2231.2	3311.9	6617.2	11765.8	12279.7	5251.3	1273.1	971.4	858.6	659.7
82.5°	812.2	808.9	1389.1	2751.7	5576.2	5904.5	1919.5	775.8	722.7	633.2	467.4
85°	285.1	298.4	523.8	1087.4	2194.7	2297.5	666.4	431.0	500.6	424.4	268.5
87.5°	99.5	102.8	185.7	394.5	755.9	799.0	185.7	172.4	248.6	245.3	135.9
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°	4495.5	4495.5	4495.5	4495.5	4495.5	4495.5	4495.5	4495.5	4495.5	4495.5	4495.5
2.5°	4541.9	4571.7	4581.7	4701.0	4701.0	4701.0	4747.4	4747.4	4734.2	4701.0	4780.6
5°	4561.8	4614.8	4717.6	4820.4	4846.9	4870.1	4933.1	4880.0	4899.9	4866.8	4896.6
7.5°	4618.1	4691.1	4883.4	4946.3	4903.2	4953.0	4886.7	4850.2	4813.7	4827.0	4780.6
10°	4714.3	4807.1	4896.6	5012.7	4929.8	4880.0	4744.1	4711.0	4594.9	4555.1	4591.6
12.5°	4833.6	4946.3	5098.8	5055.7	4896.6	4754.1	4608.2	4469.0	4399.3	4299.9	4326.4
15°	4953.0	5082.3	5105.5	5032.5	4833.6	4654.6	4389.4	4193.8	4124.2	4034.7	4081.1
17.5°	5082.3	5204.9	5165.2	4976.2	4707.6	4435.8	4134.1	3941.8	3796.0	3739.6	3739.6
20°	5274.6	5334.2	5271.2	4883.4	4555.1	4197.1	3905.4	3686.6	3540.7	3517.5	3481.0
22.5°	5423.7	5519.9	5238.1	4747.4	4333.0	3885.5	3550.6	3467.7	3424.6	3388.2	3341.8
25°	5616.0	5612.7	5178.4	4621.5	3951.8	3514.2	3311.9	3305.3	3285.4	3272.1	3335.1
27.5°	5798.4	5722.1	5108.8	4309.8	3557.3	3232.4	3123.0	3195.9	3225.7	3205.8	3232.4
30°	6086.8	5960.8	5009.3	3978.3	3209.2	2947.3	2967.1	3066.6	3116.3	3146.2	3106.4
32.5°	6391.8	6199.5	4803.8	3633.5	2900.8	2768.2	2814.6	2917.4	2977.1	3010.2	3046.7
35°	6832.7	6385.2	4594.9	3182.6	2678.7	2658.8	2685.3	2741.7	2827.9	2851.1	2861.1
37.5°	7376.4	6667.0	4313.1	2821.3	2506.3	2529.5	2556.1	2575.9	2579.3	2622.4	2605.8
40°	7920.1	6905.7	3902.0	2476.5	2327.3	2453.3	2440.0	2403.6	2373.7	2333.9	2324.0
42.5°	8397.5	7114.5	3444.5	2184.7	2168.2	2373.7	2330.6	2237.8	2168.2	2138.3	2088.6
45°	8934.6	7409.6	2983.7	2002.4	2045.5	2277.6	2264.3	2121.8	2032.2	1926.2	1912.9
47.5°	9630.8	7717.9	2542.8	1813.4	1929.5	2241.1	2247.7	2065.4	1936.1	1793.5	1773.7
50°	10522.6	8162.1	2208.0	1733.9	1859.9	2188.1	2198.0	1989.1	1820.1	1674.2	1660.9
52.5°	11377.9	8616.3	1929.5	1611.2	1813.4	2125.1	2148.3	1919.5	1723.9	1541.6	1551.5
55°	11808.9	8450.6	1690.8	1521.7	1707.4	2022.3	2108.5	1869.8	1578.1	1452.1	1448.8
57.5°	11905.0	8042.8	1501.8	1428.9	1617.8	1912.9	2042.2	1720.6	1511.8	1405.7	1392.4
60°	11590.1	7330.0	1352.6	1329.4	1505.1	1800.2	1889.7	1641.0	1445.4	1359.3	1339.4
62.5°	10814.3	6590.7	1249.8	1283.0	1409.0	1677.5	1793.5	1584.7	1382.5	1322.8	1279.7
65°	8868.3	5420.4	1167.0	1193.5	1309.5	1558.2	1733.9	1521.7	1326.1	1269.7	1266.4
67.5°	6143.1	3736.3	1100.7	1150.4	1230.0	1472.0	1674.2	1452.1	1253.2	1233.3	1206.7
70°	3146.2	1992.5	1014.5	1054.2	1143.8	1362.6	1568.1	1379.1	1176.9	1173.6	1140.4
72.5°	1594.6	1167.0	915.0	974.7	1037.7	1220.0	1435.5	1283.0	1080.8	1044.3	991.3
73°	1379.1	1080.8	898.4	951.5	1011.1	1180.2	1395.7	1259.8	1067.5	1014.5	964.7
75°	1004.5	852.0	805.6	858.6	905.1	1064.2	1263.1	1153.7	981.3	925.0	878.5
77.5°	752.6	656.4	669.7	729.4	769.1	918.3	1123.9	1044.3	888.5	812.2	792.3
80°	553.6	500.6	553.6	610.0	639.8	808.9	1024.4	905.1	749.2	663.0	646.5
82.5°	394.5	364.7	427.7	464.1	477.4	669.7	921.6	722.7	566.9	454.2	417.7
85°	225.4	222.1	288.4	285.1	295.1	391.2	606.7	480.7	364.7	278.5	271.9
87.5°	99.5	109.4	145.9	116.0	122.7	185.7	258.6	179.0	149.2	82.9	63.0
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)