

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: P193094

Luminaire Tested: **GAN-AF-06-LED-U-T2-7030-600**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P193094
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24139)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-AF-06-LED-U-T2-7030-600
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22262.7 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium - Full Cutoff
BUG Rating: B3 - U0 - G3

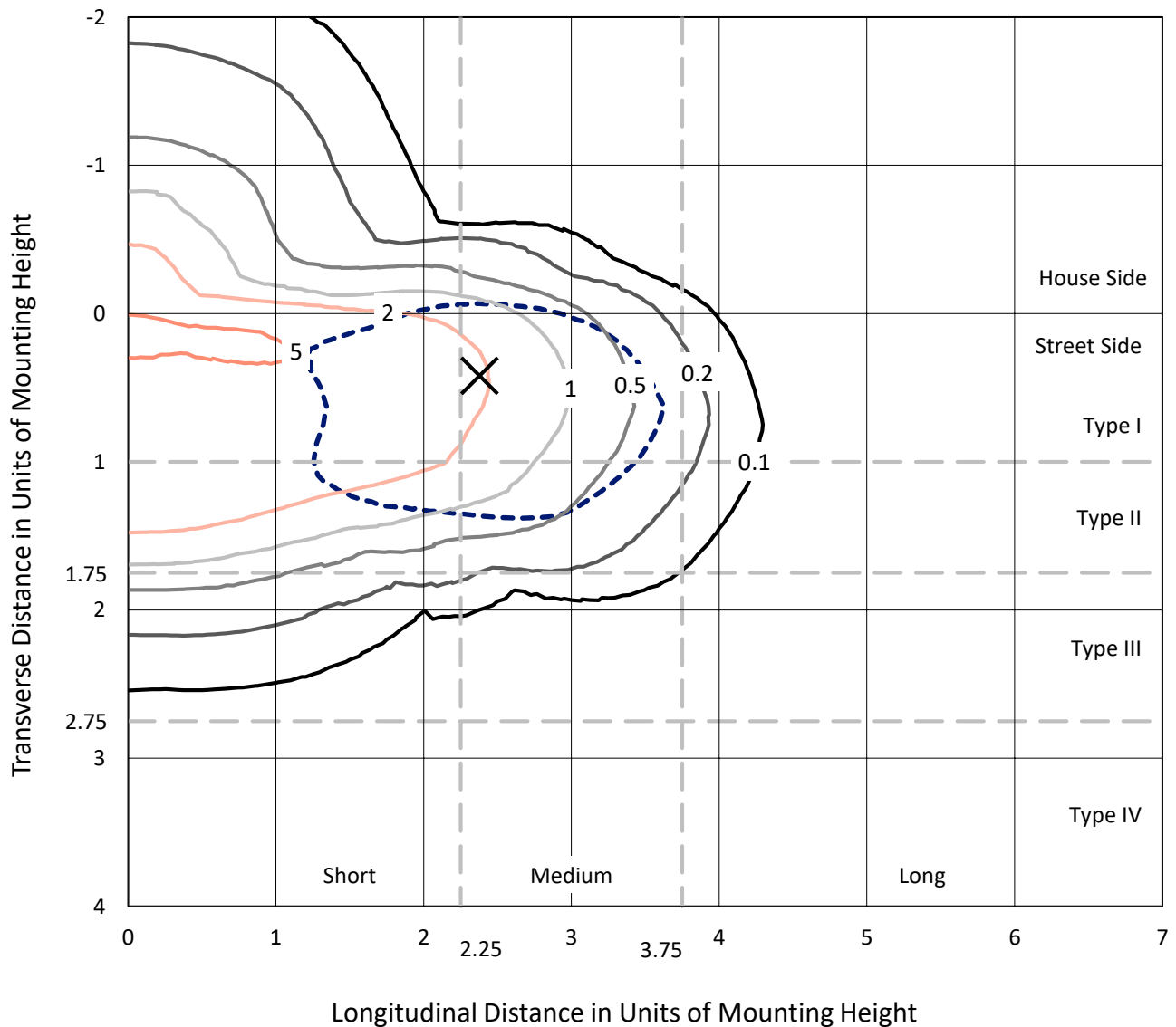
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

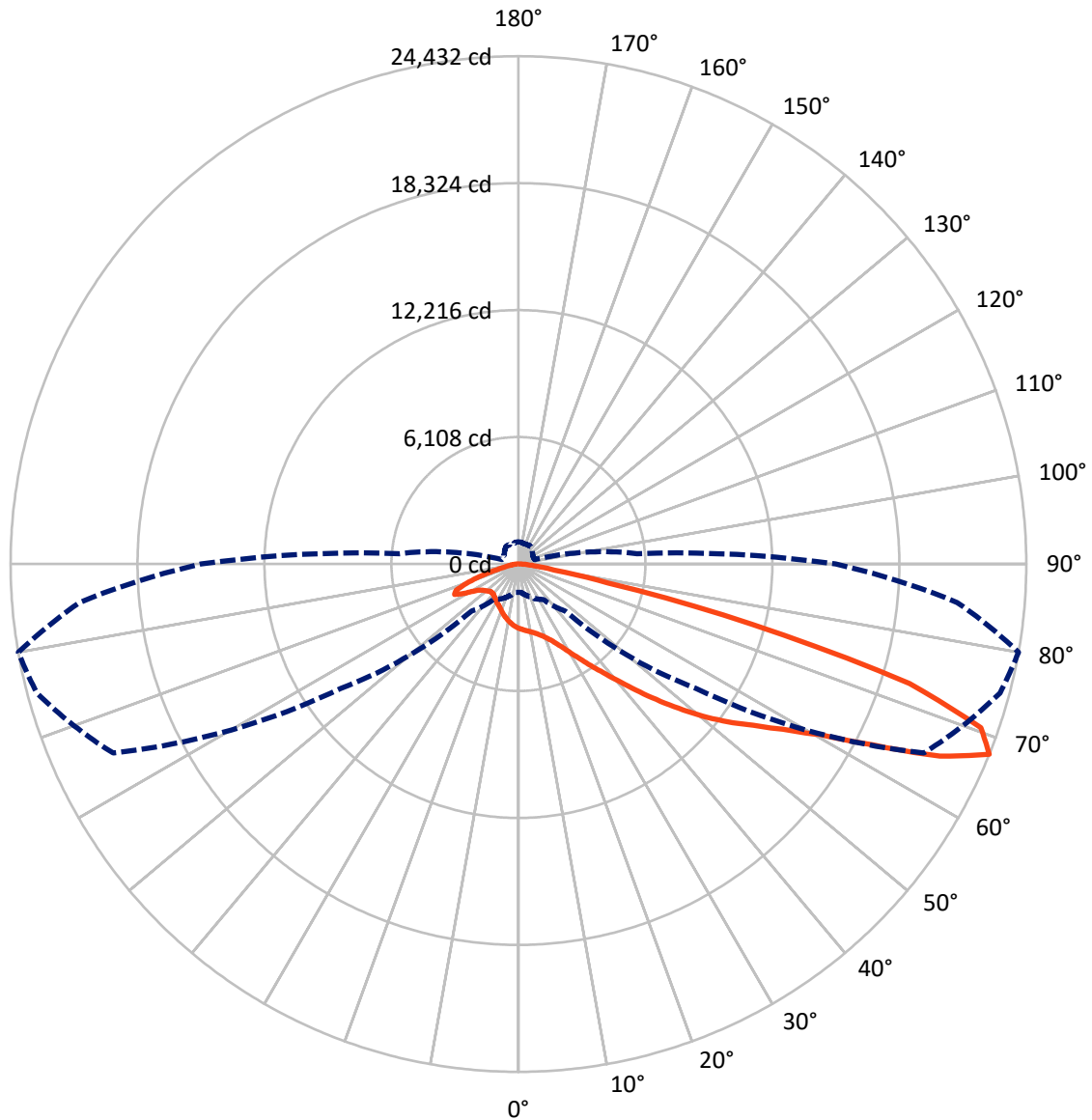
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type II - Medium - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 80-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4099.9	0.0	4099.9
	% Fixture	18.4	0.0	18.4
Street Side	Lumens	18162.7	0.0	18162.7
	% Fixture	81.6	0.0	81.6
Total	Lumens	22262.7	0.0	22262.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	285.3	1.3
10°-20°	821.9	3.7
20°-30°	1360.4	6.1
30°-40°	2225.3	10.0
40°-50°	3592.9	16.1
50°-60°	5187.2	23.3
60°-70°	5724.3	25.7
70°-80°	2638.6	11.9
80°-90°	426.8	1.9
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°	22262.7	100.0
0°-180°	22262.7	100.0



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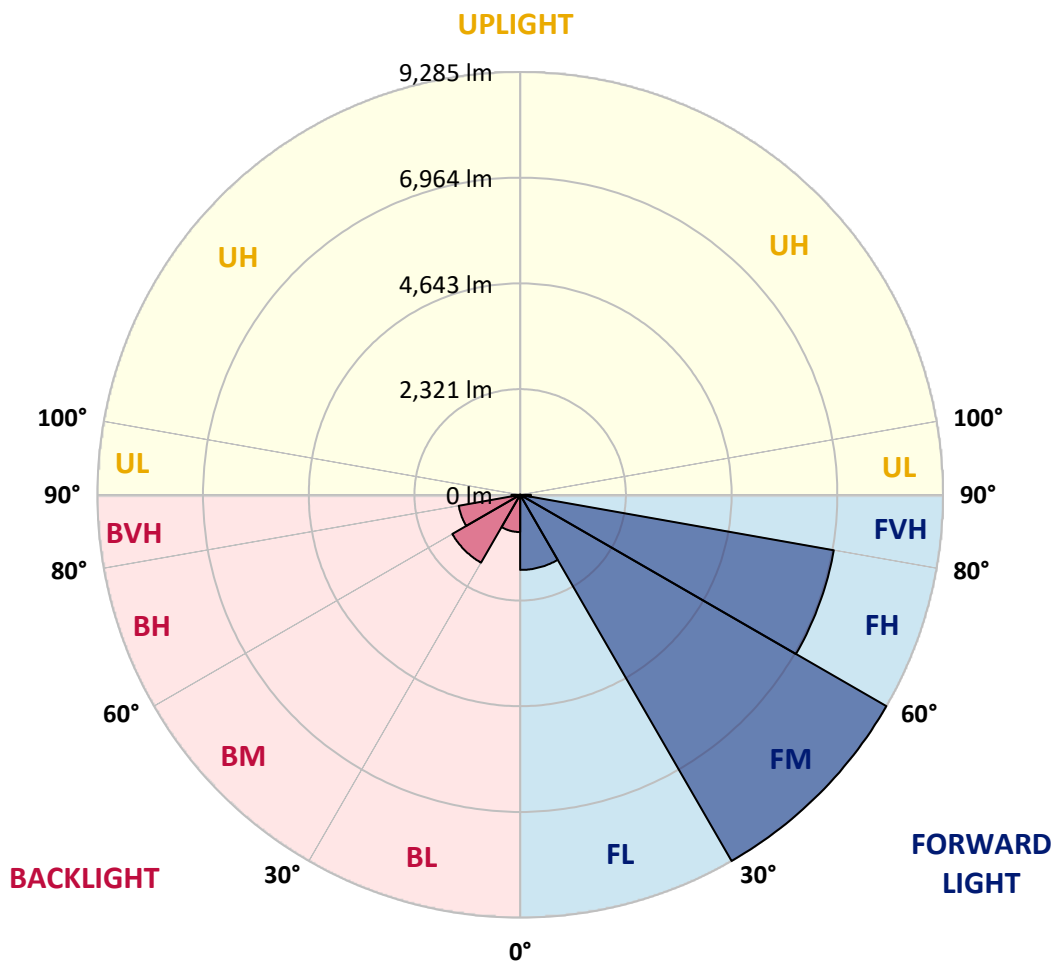
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1649.6	7.4			
FM	(30°-60°)	9285.2	41.7			
FH	(60°-80°)	6993.3	31.4			G3/7500
FVH	(80°-90°)	234.6	1.1			G3/500
BL	(0°-30°)	818.0	3.7	B2/1000		
BM	(30°-60°)	1720.2	7.7	B2/2500		
BH	(60°-80°)	1369.6	6.2	B3/2500		G3/2500
BVH	(80°-90°)	192.1	0.9			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	80°	85°
0°	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9
2.5°	3383.3	3363.6	3367.0	3361.5	3345.0	3316.6	3285.9	3229.9	3171.8	3141.2	3117.0
5°	3666.2	3660.6	3653.0	3635.5	3593.7	3534.6	3461.3	3362.6	3256.3	3200.3	3146.6
7.5°	3877.7	3874.4	3864.5	3853.6	3813.0	3741.8	3631.1	3490.9	3336.2	3259.5	3176.2
10°	3895.2	3900.7	3908.3	3937.9	3943.3	3905.0	3792.2	3622.3	3419.6	3320.9	3214.6
12.5°	3746.2	3758.2	3787.8	3863.4	3943.3	3990.5	3932.5	3760.3	3517.0	3397.6	3262.8
15°	3548.8	3555.4	3591.6	3695.7	3839.3	3985.1	4039.9	3912.8	3643.1	3496.3	3335.1
17.5°	3464.5	3467.8	3493.0	3562.1	3695.7	3904.0	4100.2	4078.2	3797.7	3619.0	3423.9
20°	3421.8	3429.4	3465.6	3533.6	3617.9	3799.8	4108.9	4256.8	3981.9	3772.5	3535.7
22.5°	3543.4	3540.1	3553.2	3587.2	3658.4	3768.1	4102.3	4441.1	4216.4	3969.7	3681.5
25°	3827.3	3839.3	3816.3	3777.9	3800.9	3877.7	4137.4	4640.5	4510.1	4222.9	3872.1
27.5°	4231.7	4219.6	4185.6	4095.8	4048.6	4081.5	4253.6	4855.3	4875.0	4556.1	4124.3
30°	4635.0	4625.2	4592.2	4482.7	4386.2	4358.8	4479.4	5101.9	5310.1	4956.1	4433.3
32.5°	5053.7	5042.8	5012.0	4902.5	4786.2	4722.7	4800.6	5386.9	5823.1	5434.0	4797.2
35°	5569.9	5549.1	5484.4	5332.1	5218.1	5168.7	5204.9	5745.3	6414.9	5999.5	5238.9
37.5°	6055.4	6087.3	6021.5	5811.1	5663.0	5645.5	5686.1	6182.6	7052.8	6631.9	5746.4
40°	6543.2	6548.7	6489.5	6317.4	6165.1	6136.5	6238.4	6713.0	7805.8	7388.2	6363.4
42.5°	7047.3	7058.2	6958.5	6799.6	6687.9	6693.3	6809.5	7334.5	8669.4	8279.2	7073.7
45°	7644.7	7661.0	7551.5	7343.2	7241.2	7446.2	7398.1	8031.5	9616.4	9292.0	7889.1
47.5°	8269.4	8294.6	8211.3	8016.3	7889.1	8170.7	7986.7	8804.2	10635.7	10378.1	8784.5
50°	8610.2	8646.4	8727.5	8713.2	8685.9	8638.7	8643.1	9632.9	11686.7	11509.2	9705.2
52.5°	8427.1	8426.1	8722.0	9081.5	9465.1	9493.6	9443.2	10506.4	12668.7	12615.1	10572.0
55°	7589.8	7646.8	8095.1	8791.1	9838.9	10493.1	10642.2	11506.9	13633.3	13695.7	11452.2
57.5°	6195.8	6242.8	6847.9	7817.8	9334.7	11087.2	12347.6	12961.4	14711.6	15003.3	12623.9
60°	4202.1	4259.0	4900.3	6065.3	7977.8	10756.2	13970.8	15556.8	16002.7	16665.9	14267.8
62.5°	2469.3	2520.8	3043.6	3826.2	5617.0	9218.5	14683.3	19249.2	18053.5	19174.7	16775.4
65°	1699.8	1734.9	1989.3	2381.7	3227.7	6208.8	13799.8	21798.6	21208.9	22282.9	19683.2
67.5°	1367.8	1363.4	1565.1	1832.5	2078.0	3201.4	10435.2	21510.2	23983.9	24432.2	21192.4
70°	1126.7	1122.3	1259.3	1480.7	1660.4	1802.9	5683.8	18152.2	23418.4	23600.3	19802.7
72.5°	942.6	947.0	1034.6	1199.0	1362.4	1358.0	2497.7	12769.5	18422.8	19681.0	15785.8
75°	795.7	797.9	855.9	972.2	1105.9	1093.8	1354.7	6918.0	10709.0	11584.8	8750.6
77.5°	677.3	679.5	716.7	781.4	876.8	872.4	988.6	2988.8	4467.3	4412.6	2993.1
80°	603.8	603.8	621.4	633.4	686.1	666.4	733.2	1435.7	1888.4	1743.8	1194.6
82.5°	473.5	475.8	583.1	578.7	540.3	515.1	515.1	846.1	1000.7	925.0	699.3
85°	266.4	265.3	376.0	453.8	475.8	362.7	359.5	473.5	544.7	480.0	338.7
87.5°	113.9	116.2	174.3	201.7	269.7	225.7	222.5	244.4	277.3	240.1	156.7
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°	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9	3092.9
2.5°	3094.0	3065.5	3003.1	2925.2	2855.1	2809.0	2767.4	2707.1	2710.4	2668.7	2638.1
5°	3091.8	3032.6	2887.9	2715.8	2550.4	2430.9	2341.1	2259.9	2240.3	2201.9	2178.8
7.5°	3094.0	2997.5	2754.3	2479.2	2274.2	2123.0	2046.2	2003.5	1993.7	1980.5	1981.6
10°	3101.7	2965.9	2607.4	2257.8	2042.9	1943.1	1924.6	1937.7	1953.1	1957.5	1958.6
12.5°	3119.3	2937.3	2446.4	2060.5	1898.3	1867.6	1899.4	1944.3	1973.9	1988.2	1987.1
15°	3158.6	2915.4	2291.7	1905.9	1818.3	1834.7	1893.9	1957.5	2000.2	2019.9	2021.1
17.5°	3201.4	2883.6	2132.8	1787.6	1759.1	1800.7	1874.2	1948.7	2001.3	2023.3	2027.7
20°	3257.3	2844.1	1966.2	1698.8	1703.3	1750.4	1819.3	1893.9	1952.0	1970.6	1979.3
22.5°	3330.8	2801.4	1820.5	1626.5	1639.7	1675.8	1729.5	1794.1	1844.7	1853.4	1861.0
25°	3429.4	2755.4	1704.3	1560.8	1566.2	1587.0	1623.1	1661.5	1696.6	1686.8	1694.4
27.5°	3562.1	2715.8	1617.7	1500.4	1490.7	1495.0	1513.6	1525.7	1544.3	1516.8	1520.2
30°	3717.6	2673.1	1550.8	1447.8	1420.5	1412.7	1417.1	1423.7	1438.0	1400.7	1395.2
32.5°	3898.5	2621.6	1488.3	1401.8	1363.4	1348.0	1350.3	1367.8	1422.7	1399.6	1387.6
35°	4108.9	2563.5	1422.7	1351.4	1325.1	1303.1	1301.0	1355.8	1519.0	1504.8	1493.9
37.5°	4355.5	2505.5	1356.9	1294.4	1296.6	1272.5	1264.7	1327.3	1537.8	1481.8	1474.1
40°	4668.9	2474.8	1301.0	1234.1	1261.5	1258.2	1242.9	1274.6	1414.9	1313.0	1299.8
42.5°	5056.9	2479.2	1259.3	1169.4	1219.9	1255.0	1230.8	1231.9	1282.3	1205.5	1193.5
45°	5535.9	2530.7	1229.7	1117.9	1172.7	1251.7	1226.4	1208.9	1213.4	1172.7	1166.2
47.5°	6094.9	2637.0	1208.9	1075.2	1127.8	1239.5	1225.4	1202.3	1192.4	1170.5	1165.0
50°	6716.3	2791.6	1193.5	1034.6	1087.2	1219.9	1226.4	1195.8	1184.8	1176.0	1172.7
52.5°	7326.8	2968.0	1170.5	999.6	1055.5	1195.8	1229.7	1189.2	1177.2	1170.5	1167.2
55°	8007.4	3188.3	1135.4	970.0	1029.1	1165.0	1229.7	1179.4	1166.2	1167.2	1166.2
57.5°	8927.0	3544.5	1093.8	944.8	997.3	1127.8	1208.9	1168.3	1151.9	1153.0	1154.1
60°	10363.9	4172.5	1043.4	919.5	957.8	1084.0	1180.4	1144.3	1127.8	1132.2	1133.2
62.5°	12477.0	5094.2	977.7	882.3	916.2	1036.9	1141.0	1113.6	1097.1	1108.1	1108.1
65°	14673.3	5907.4	896.6	835.2	872.4	985.3	1091.6	1075.2	1058.7	1084.0	1082.9
67.5°	15264.1	5725.5	815.4	783.6	828.6	928.2	1032.4	1023.6	1014.9	1058.7	1056.5
70°	13559.8	4596.6	740.9	731.1	780.3	867.0	968.9	968.9	963.3	996.2	988.6
72.5°	10331.0	3259.5	669.6	675.1	725.6	800.1	899.9	907.5	898.7	915.1	908.6
75°	5530.4	1865.4	598.4	613.8	657.6	732.1	823.0	830.8	825.4	824.3	827.5
77.5°	1838.0	911.9	523.9	548.1	586.4	662.0	743.1	755.2	742.0	739.8	738.7
80°	818.7	573.2	441.7	473.5	507.4	582.1	658.8	668.5	654.4	674.0	648.9
82.5°	526.1	377.1	354.0	389.1	422.0	501.9	574.2	576.5	563.3	654.4	557.9
85°	255.3	233.5	266.4	298.2	326.5	394.5	475.8	476.8	443.9	404.5	390.2
87.5°	127.2	135.9	177.5	206.1	220.2	270.8	346.4	339.8	325.5	295.9	272.9
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)