

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: P319210

Luminaire Tested: **GAN-SA6C-830-U-T4W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319210
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-830-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33381 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

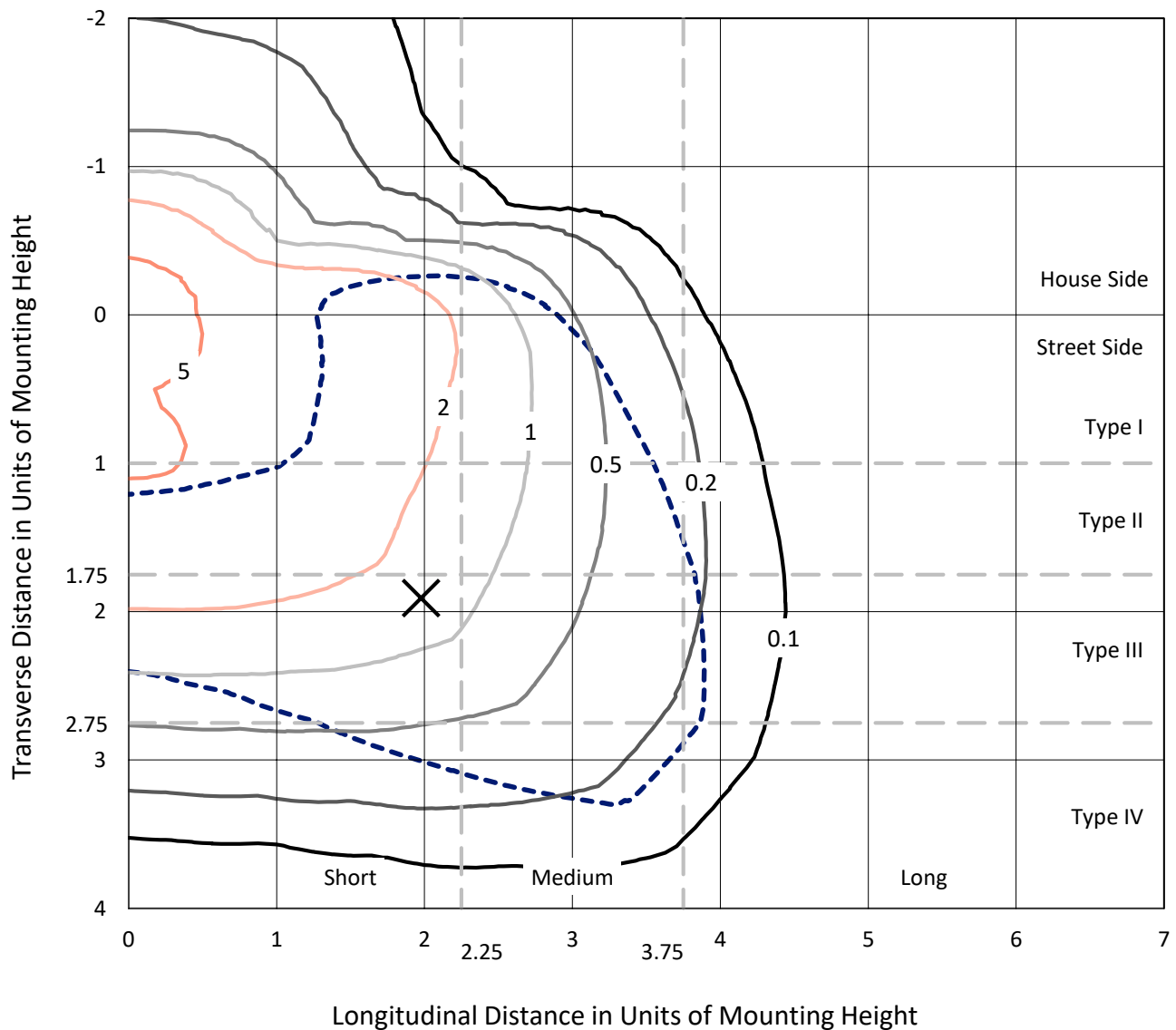
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

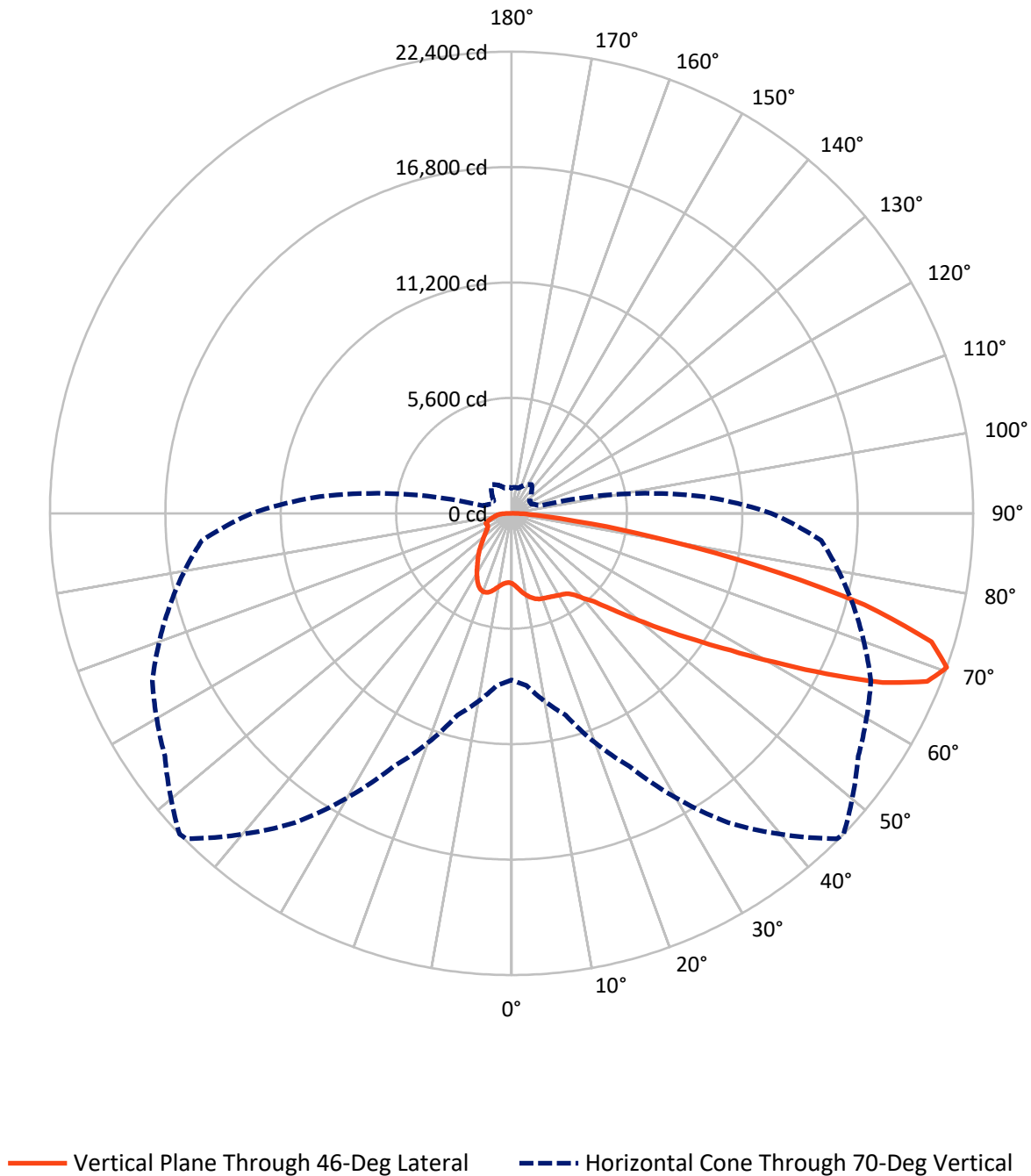
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7650.8	0.0	7650.8
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	25730.2	0.0	25730.2
	% Fixture	77.1	0.0	77.1
Total	Lumens	33381.0	0.0	33381.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.7	1.0
10°-20°	1155.1	3.5
20°-30°	1926.0	5.8
30°-40°	2733.1	8.2
40°-50°	4020.2	12.0
50°-60°	6808.2	20.4
60°-70°	9664.1	29.0
70°-80°	5871.0	17.6
80°-90°	856.8	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°	33381.0	100.0
0°-180°	33381.0	100.0

Coefficient of Utilization



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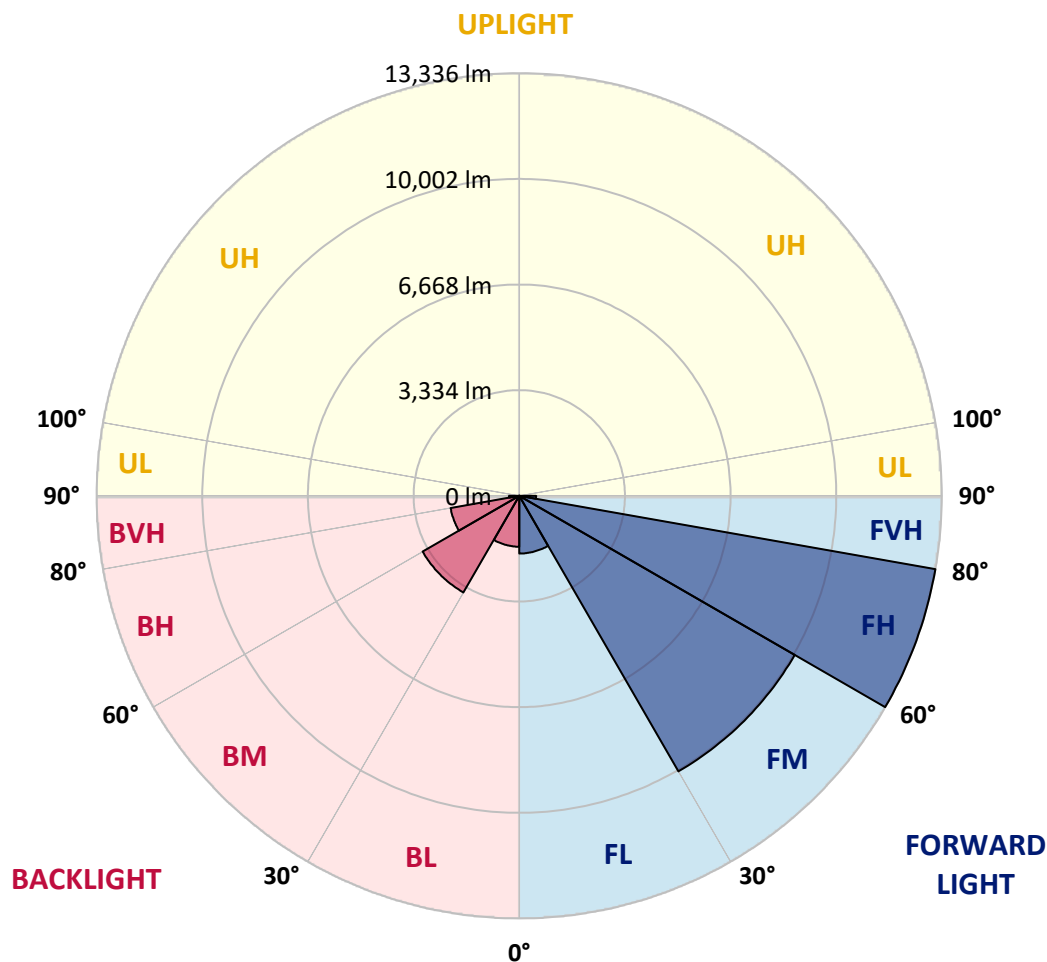
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1821.4	5.5			
FM	(30°-60°)	10039.5	30.1			
FH	(60°-80°)	13335.5	39.9			G5
FVH	(80°-90°)	533.7	1.6			G4/750
BL	(0°-30°)	1606.3	4.8	B3/2500		
BM	(30°-60°)	3521.9	10.6	B3/5000		
BH	(60°-80°)	2199.5	6.6	B3/2500		G3/2500
BVH	(80°-90°)	323.1	1.0			G3/500
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°	35°	45°	46°	55°	65°	75°	85°
0°	3400.9	3400.9	3400.9	3400.9	3400.9	3400.9	3400.9	3400.9	3400.9	3400.9	3400.9
2.5°	3571.1	3573.4	3577.9	3566.5	3534.5	3525.4	3522.0	3488.8	3467.1	3435.1	3407.7
5°	3856.7	3859.0	3852.1	3820.1	3749.3	3696.7	3692.2	3616.8	3548.2	3475.1	3420.3
7.5°	4154.8	4158.3	4136.6	4076.0	3976.6	3885.2	3879.5	3776.7	3672.8	3561.9	3479.7
10°	4418.7	4405.0	4369.6	4285.1	4167.4	4055.5	4050.9	3943.5	3823.6	3689.9	3580.2
12.5°	4594.7	4583.2	4537.5	4434.7	4305.6	4202.8	4193.7	4094.3	3977.8	3831.5	3700.2
15°	4691.8	4699.8	4638.1	4521.5	4395.9	4309.1	4301.1	4230.2	4126.3	3978.9	3828.1
17.5°	4704.3	4711.2	4651.8	4536.4	4433.6	4374.2	4370.8	4323.9	4248.5	4106.9	3949.2
20°	4631.2	4635.8	4586.7	4491.8	4424.4	4406.2	4405.0	4384.5	4328.5	4202.8	4049.7
22.5°	4525.0	4528.4	4493.0	4424.4	4401.6	4430.2	4438.2	4430.2	4390.2	4272.5	4128.6
25°	4498.7	4496.4	4459.9	4390.2	4409.6	4470.1	4480.4	4483.8	4456.4	4353.6	4229.1
27.5°	4625.5	4617.5	4547.8	4435.9	4448.4	4521.5	4535.3	4568.4	4551.2	4461.0	4343.3
30°	4992.2	4978.5	4835.7	4609.5	4547.8	4585.5	4602.7	4655.2	4658.6	4583.2	4495.3
32.5°	5611.4	5594.2	5338.4	4933.9	4715.8	4650.6	4666.6	4745.5	4787.7	4729.5	4634.6
35°	6393.9	6374.5	6038.6	5485.7	4996.8	4775.2	4786.6	4849.4	4933.9	4851.7	4726.0
37.5°	7209.6	7162.7	6839.4	6134.6	5443.4	5041.3	5041.3	5049.3	5089.3	4918.0	4833.4
40°	8020.7	7973.8	7681.4	6897.7	6021.5	5460.6	5434.3	5257.2	5225.3	5077.9	5049.3
42.5°	8774.6	8760.9	8588.4	7760.2	6700.1	5873.0	5836.4	5536.0	5542.8	5451.4	5452.6
45°	9576.6	9576.6	9436.1	8630.7	7490.6	6535.6	6499.0	6056.9	6125.5	6083.2	6184.9
47.5°	10231.2	10251.7	10232.3	9537.7	8410.2	7377.5	7311.2	6778.9	6970.8	7115.9	7411.8
50°	10899.5	10931.5	10934.9	10532.8	9521.8	8378.2	8302.8	7737.4	8165.7	8581.6	9163.0
52.5°	11869.3	11941.3	11654.6	11525.5	10883.5	9566.3	9492.1	8970.0	9685.1	10268.9	11270.7
55°	12768.4	12705.6	12501.1	12581.1	12341.2	10918.9	10862.9	10404.8	11378.1	12136.7	13437.8
57.5°	13255.1	13250.5	13456.1	13798.8	13913.1	12586.8	12539.9	12094.4	13287.0	13857.1	15472.4
60°	13826.2	13834.2	14343.7	15121.7	15592.4	14663.6	14643.0	14304.9	15141.1	15463.3	17068.3
62.5°	13906.2	14050.2	14927.5	16266.4	17164.3	17090.0	17135.7	16296.1	16799.9	16745.0	18259.8
65°	12986.6	13176.2	14764.1	16612.5	18727.1	19743.8	19786.1	18298.7	18107.9	17840.6	18685.9
67.5°	11101.7	11382.7	13107.7	15859.7	19242.3	21705.3	21764.7	19851.2	19193.2	18211.9	17660.1
70°	8078.9	8390.8	10127.2	13545.2	18323.8	22332.4	22399.8	20537.7	19234.3	17155.1	15076.0
72.5°	4880.3	5124.7	6556.1	9971.9	15465.6	21190.0	21310.0	19667.2	17560.7	14531.1	11132.5
75°	2143.1	2303.0	3170.1	5746.2	11072.0	17532.1	17681.8	16834.1	14268.3	10560.2	6580.1
77.5°	912.8	958.5	1300.0	2496.1	6259.1	11980.2	12185.8	12300.0	9680.5	5746.2	2780.6
80°	568.9	587.2	735.7	1129.8	2929.1	6728.6	6950.3	7237.0	4807.1	2112.3	971.0
82.5°	346.1	366.7	488.9	683.1	1525.1	3050.2	3156.4	3358.6	1865.5	912.8	502.6
85°	207.9	222.8	299.3	431.8	868.2	1199.5	1198.4	1325.2	878.5	587.2	265.0
87.5°	99.4	110.8	159.9	223.9	437.5	450.1	421.5	477.5	533.5	385.0	133.7
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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CATALOG NUMBER: GAN-SA6C-830-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3400.9	3400.9	3400.9	3400.9	3400.9	3400.9	3400.9	3400.9	3400.9	3400.9	3400.9
2.5°	3398.6	3394.0	3379.2	3367.7	3365.5	3358.6	3352.9	3356.3	3360.9	3362.0	3362.0
5°	3397.4	3384.9	3365.5	3357.5	3367.7	3381.5	3398.6	3421.4	3435.1	3445.4	3452.3
7.5°	3452.3	3428.3	3406.6	3402.0	3422.6	3459.1	3498.0	3546.0	3579.1	3601.9	3606.5
10°	3543.7	3514.0	3492.3	3496.8	3533.4	3585.9	3640.8	3702.5	3752.7	3783.6	3785.9
12.5°	3648.8	3620.2	3599.6	3619.1	3679.6	3743.6	3800.7	3854.4	3900.1	3930.9	3930.9
15°	3769.9	3749.3	3725.3	3769.9	3852.1	3909.2	3933.2	3959.5	3984.6	4007.5	4002.9
17.5°	3886.4	3867.0	3854.4	3906.9	3992.6	4018.9	4002.9	3983.5	3983.5	3996.1	3998.3
20°	3986.9	3969.8	3977.8	4029.2	4073.7	4046.3	3986.9	3925.2	3900.1	3906.9	3913.8
22.5°	4074.9	4066.9	4090.9	4114.9	4082.9	3986.9	3877.2	3793.8	3763.0	3760.7	3763.0
25°	4177.7	4176.5	4206.2	4162.8	4021.2	3844.1	3696.7	3615.6	3598.5	3612.2	3635.1
27.5°	4305.6	4318.2	4333.1	4174.3	3895.5	3628.2	3478.6	3422.6	3439.7	3472.8	3494.5
30°	4469.0	4503.3	4471.3	4145.7	3715.0	3381.5	3238.7	3222.7	3269.5	3316.3	3339.2
32.5°	4627.8	4681.5	4603.8	4071.4	3482.0	3119.8	3009.0	3004.5	3061.6	3107.3	3139.3
35°	4755.7	4862.0	4703.2	3924.1	3212.4	2878.8	2797.7	2766.8	2787.4	2841.1	2877.7
37.5°	4922.5	5099.6	4771.7	3699.0	2919.9	2680.0	2585.2	2514.4	2496.1	2517.8	2536.1
40°	5227.5	5461.7	4803.7	3384.9	2634.3	2481.3	2385.3	2281.3	2209.4	2156.8	2158.0
42.5°	5725.6	5933.5	4783.2	3003.3	2370.4	2287.0	2178.5	2058.6	1942.0	1823.2	1814.1
45°	6534.4	6635.0	4721.5	2598.9	2138.5	2083.7	1982.0	1862.1	1706.7	1571.9	1559.4
47.5°	7828.7	7606.0	4625.5	2245.9	1934.1	1911.2	1817.5	1679.3	1514.8	1406.3	1397.1
50°	9593.7	9007.7	4578.7	1964.9	1753.6	1760.4	1683.9	1537.6	1382.3	1302.3	1293.2
52.5°	11704.8	10640.1	4668.9	1747.8	1608.5	1632.5	1575.3	1438.3	1308.0	1245.2	1236.1
55°	13894.8	12330.9	4766.0	1590.2	1471.4	1518.2	1498.8	1385.7	1268.0	1209.8	1201.8
57.5°	15769.4	13593.2	4571.8	1462.2	1349.2	1422.3	1439.4	1352.6	1247.5	1194.9	1185.8
60°	16949.5	14101.6	4062.3	1342.3	1252.1	1345.7	1405.1	1343.4	1255.5	1250.9	1244.1
62.5°	17509.3	14057.0	3298.1	1247.5	1191.5	1312.6	1430.3	1394.8	1346.9	1388.0	1391.4
65°	17258.0	13385.3	2456.1	1184.6	1148.1	1325.2	1505.7	1492.0	1373.1	1414.3	1420.0
67.5°	15603.8	11782.5	1818.7	1129.8	1100.1	1360.6	1642.7	1523.9	1321.7	1351.4	1333.2
70°	12611.9	9341.3	1402.8	1068.1	1051.0	1356.0	1704.4	1504.5	1265.8	1272.6	1223.5
72.5°	8697.0	6369.9	1141.2	1011.0	980.2	1236.1	1661.0	1456.5	1218.9	1166.4	1101.3
75°	4729.5	3419.1	969.9	951.6	855.6	1085.3	1581.1	1422.3	1176.7	1107.0	1070.4
77.5°	1860.9	1418.8	841.9	870.5	748.3	958.5	1492.0	1357.1	1118.4	1027.0	1008.7
80°	759.7	724.3	698.0	752.8	643.2	838.5	1384.6	1280.6	1048.7	952.7	916.2
82.5°	430.7	450.1	542.6	594.0	522.1	772.3	1333.2	1218.9	965.3	853.4	809.9
85°	220.5	263.9	378.1	426.1	383.8	656.9	1228.1	1067.0	774.5	653.4	656.9
87.5°	106.2	147.4	238.8	267.3	249.0	475.2	917.3	773.4	603.2	477.5	462.7
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)