

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: P322324

Luminaire Tested: **GAN-SA0B-760-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0B-760-U-T3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41219 lumens
Efficiency: N/A
Efficacy: 98.4 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 419
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

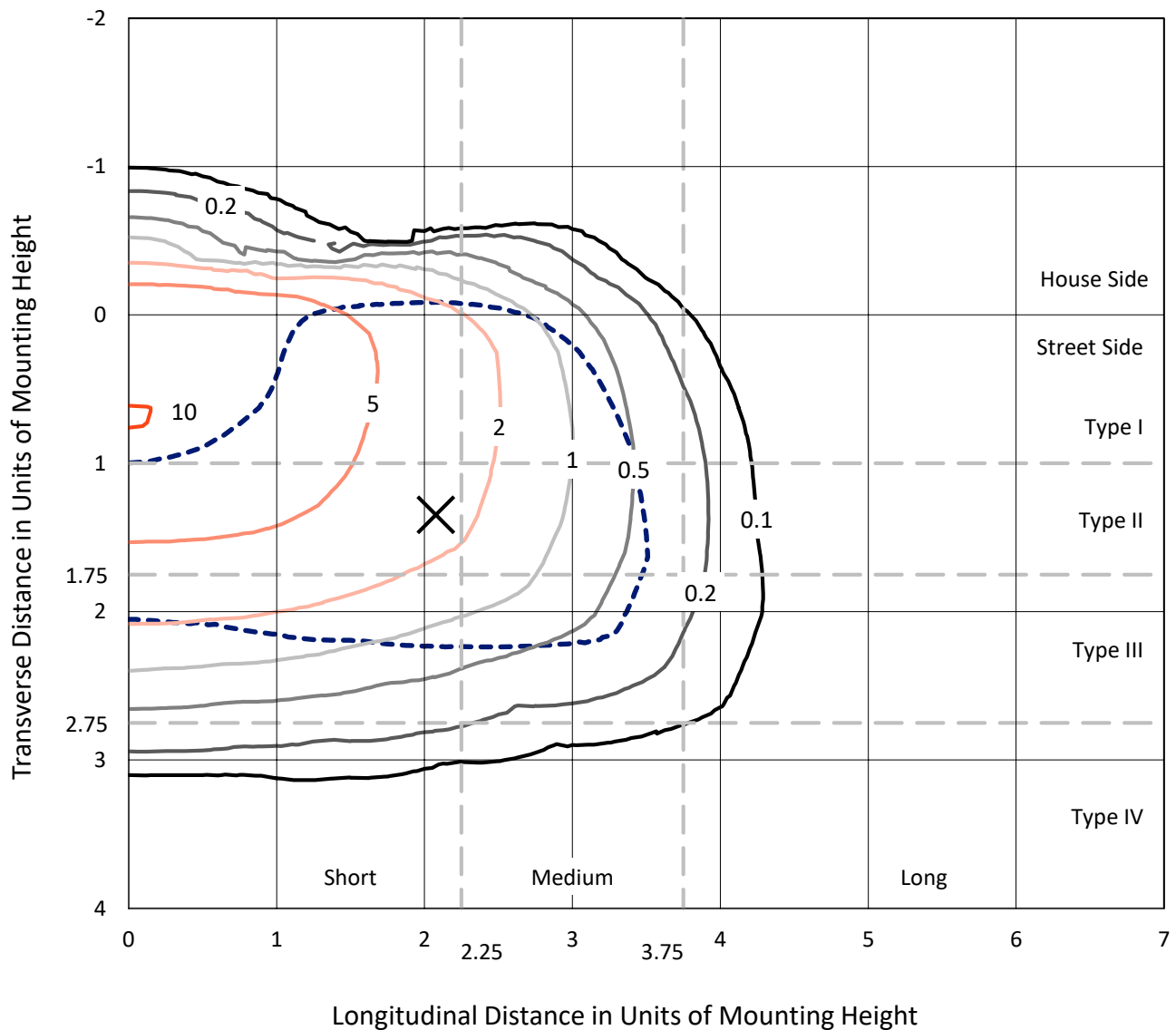


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Iso-Footcandle Lines of Horizontal Illumination

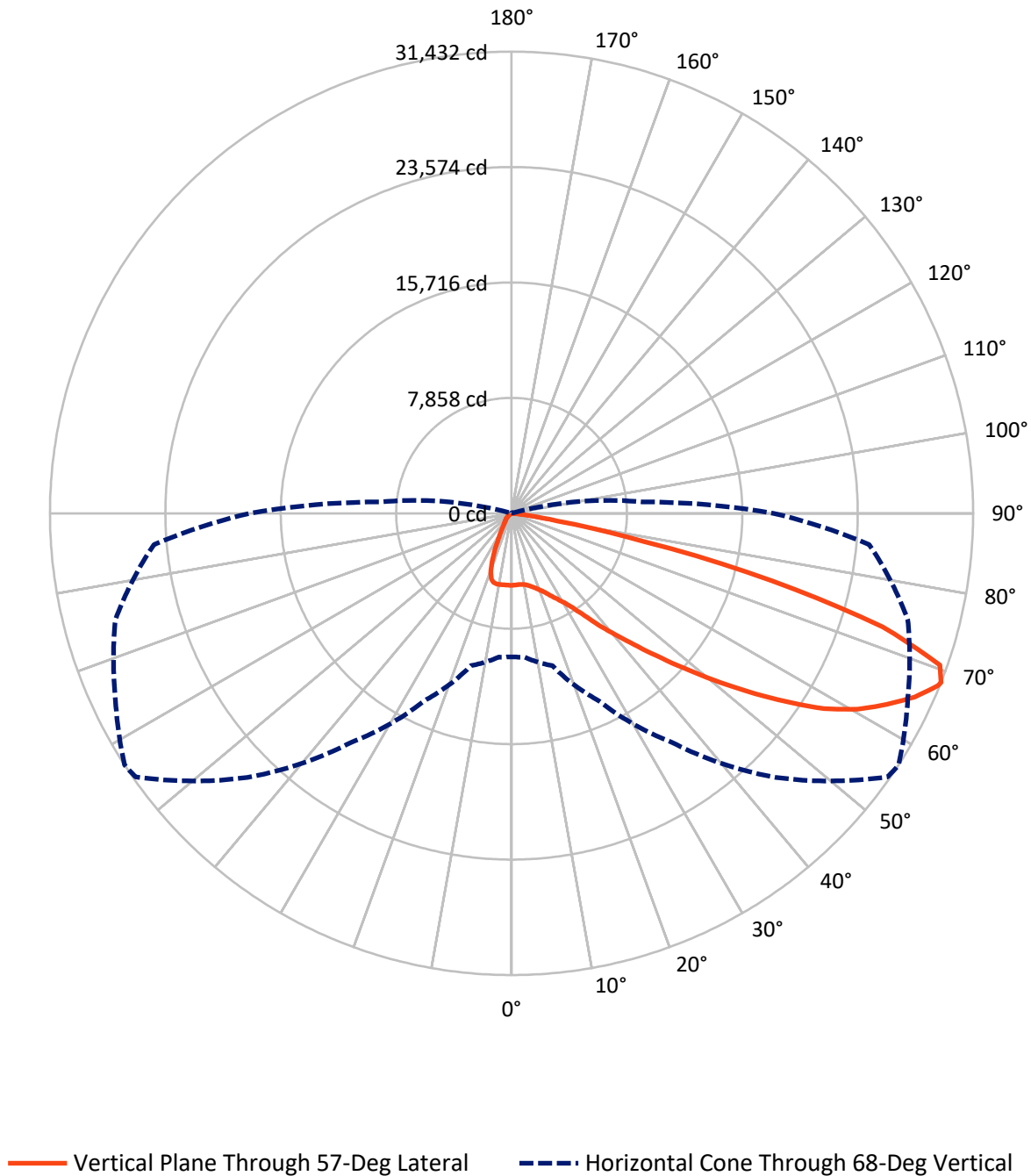
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4519.9	0.0	4519.9
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	36699.1	0.0	36699.1
	% Fixture	89.0	0.0	89.0
Total	Lumens	41219.0	0.0	41219.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	458.4	1.1
10°-20°	1270.2	3.1
20°-30°	2191.2	5.3
30°-40°	3781.9	9.2
40°-50°	6469.0	15.7
50°-60°	10349.8	25.1
60°-70°	11958.0	29.0
70°-80°	4569.3	11.1
80°-90°	171.3	0.4
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°	41219.0	100.0
0°-180°	41219.0	100.0

Coefficient of Utilization



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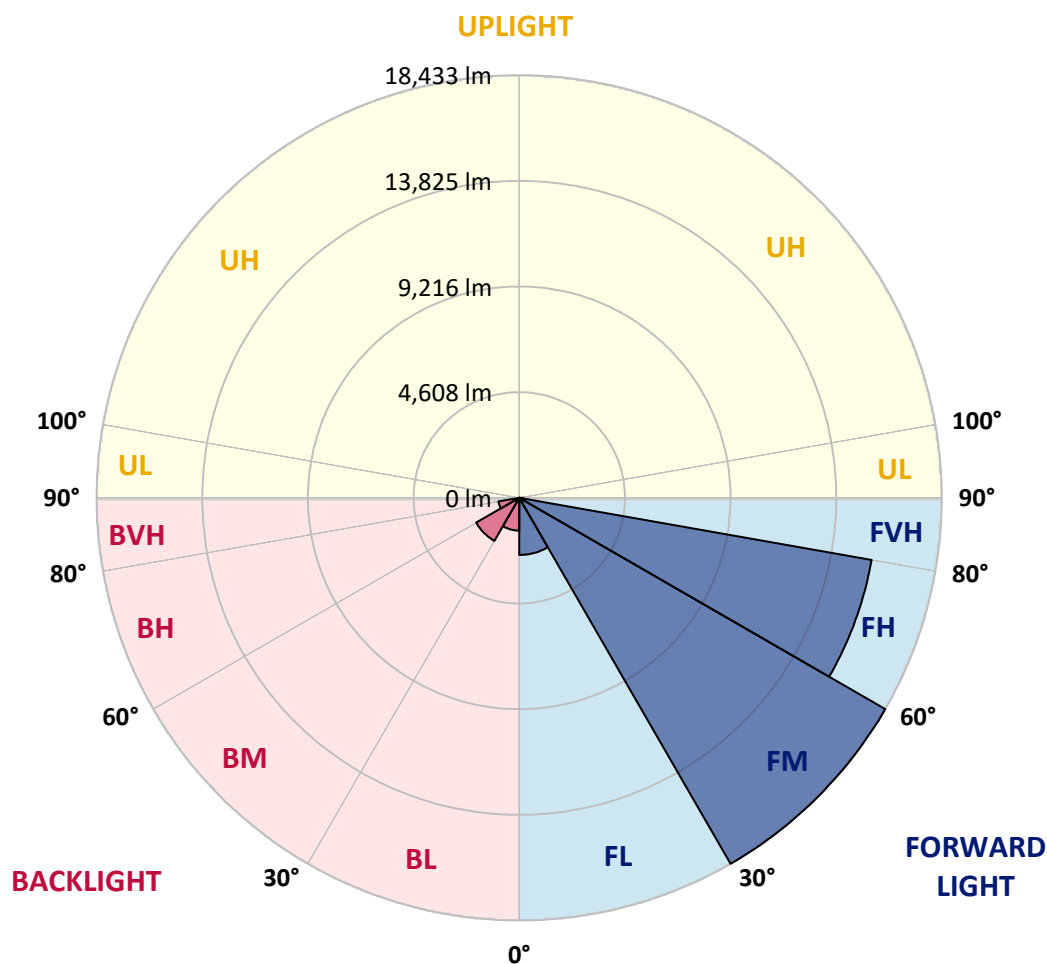
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2491.3	6.0			
FM	(30°-60°)	18432.8	44.7			
FH	(60°-80°)	15606.8	37.9			G5
FVH	(80°-90°)	168.2	0.4			G2/225
BL	(0°-30°)	1428.4	3.5	B3/2500		
BM	(30°-60°)	2167.8	5.3	B2/2500		
BH	(60°-80°)	920.5	2.2	B2/1000		G2/1000
BVH	(80°-90°)	3.1	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	4897.9	4897.9	4897.9	4897.9	4897.9	4897.9	4897.9	4897.9	4897.9	4897.9	4897.9
2.5°	4782.9	4804.4	4819.9	4829.7	4841.4	4866.7	4874.5	4886.2	4892.1	4892.1	4905.7
5°	4593.9	4617.2	4650.4	4677.7	4732.2	4802.4	4853.1	4872.6	4907.6	4938.8	4956.4
7.5°	4418.4	4445.7	4484.7	4549.0	4642.6	4755.6	4860.9	4888.2	4956.4	5022.6	5055.8
10°	4305.4	4326.8	4377.5	4469.1	4591.9	4749.8	4897.9	4931.0	5048.0	5159.1	5221.4
12.5°	4266.4	4285.9	4338.5	4441.8	4593.9	4779.0	4983.7	5032.4	5203.9	5365.7	5453.4
15°	4322.9	4326.8	4383.4	4480.8	4630.9	4851.1	5125.9	5184.4	5400.8	5611.2	5720.4
17.5°	4541.2	4523.7	4552.9	4595.8	4714.7	4946.6	5276.0	5363.7	5652.2	5899.7	6003.0
20°	5087.0	5087.0	5020.7	4903.8	4905.7	5094.8	5478.7	5578.1	5930.9	6217.4	6310.9
22.5°	6020.5	6003.0	5870.5	5584.0	5320.8	5350.1	5726.2	5854.9	6266.1	6572.1	6603.3
25°	7143.2	7121.7	6917.1	6513.6	6057.6	5763.3	6061.5	6209.6	6665.7	6936.6	6872.3
27.5°	8332.1	8314.5	8111.8	7610.9	6961.9	6422.0	6461.0	6601.4	7073.0	7340.0	7135.4
30°	9484.0	9489.8	9289.1	8774.5	8039.7	7262.1	6967.8	7049.6	7468.7	7739.6	7447.2
32.5°	10579.3	10587.1	10413.6	9838.7	9152.6	8238.5	7669.4	7648.0	7928.6	8195.7	7860.4
35°	11555.8	11575.3	11456.4	11010.1	10283.1	9326.1	8579.6	8528.9	8581.6	8883.7	8493.9
37.5°	12497.2	12508.9	12419.2	12043.0	11434.9	10520.8	9729.5	9657.4	9544.4	9776.3	9330.0
40°	13528.2	13499.0	13395.7	13054.6	12532.2	11840.3	10965.2	10840.5	10643.6	10850.2	10429.2
42.5°	14487.1	14454.0	14471.5	14085.6	13645.1	13196.9	12405.6	12191.2	12076.2	12314.0	11778.0
45°	15685.8	15668.2	15726.7	15391.5	15034.8	14709.3	14056.4	13822.5	13771.8	14050.5	13409.3
47.5°	16868.8	16911.7	17093.0	16950.7	16806.5	16519.9	15804.7	15699.4	15730.6	16067.8	15130.3
50°	17855.0	17905.7	18402.7	18566.4	18775.0	18607.4	17890.1	17825.8	17948.6	18252.6	16981.9
52.5°	18568.4	18671.7	19289.5	20043.8	20803.9	20917.0	20201.7	20143.2	20308.9	20355.6	18412.5
55°	19063.4	19155.0	19854.7	21234.6	22782.2	23269.4	22825.1	22599.0	22567.8	22105.9	19917.1
57.5°	19151.1	19141.4	20147.1	22004.5	24333.6	25590.7	25310.1	25087.9	24448.6	23723.6	21642.0
60°	18656.1	18712.6	19880.1	22271.5	25308.1	27346.8	27368.2	27079.8	26083.8	25296.4	23314.3
62.5°	17131.9	17361.9	18541.1	21571.8	25296.4	28054.3	28876.8	28656.5	27465.7	26584.7	25009.9
65°	14660.6	14742.4	15867.0	19174.5	23587.1	27758.0	30235.3	30153.4	28711.1	27836.0	25881.1
67.5°	10706.0	10528.6	11709.8	15099.1	19969.7	26031.2	31209.8	31313.1	29672.0	28093.3	24953.4
68°	9770.5	9823.1	10743.0	14091.5	19022.5	25421.2	31274.1	31432.0	29767.5	27925.7	24446.6
70°	5823.7	5925.0	6745.6	9702.3	14471.5	21969.4	30580.2	30940.8	29198.4	26196.9	21145.0
72.5°	1487.1	1607.9	2383.7	4342.4	8265.8	15479.2	25814.9	26424.9	25351.0	21252.2	14274.7
75°	612.0	643.2	851.7	1430.6	3079.5	6973.6	17015.0	18320.9	17574.4	12723.2	6451.3
77.5°	422.9	444.4	547.7	793.3	1333.1	2364.2	8341.8	9285.2	8365.2	4342.4	1407.2
80°	304.0	321.6	391.8	528.2	766.0	843.9	2718.9	3143.8	2496.7	953.1	348.9
82.5°	181.3	194.9	292.4	376.2	465.8	403.4	676.3	767.9	723.1	473.6	155.9
85°	89.7	105.2	196.9	269.0	251.4	169.6	206.6	230.0	284.6	288.5	83.8
87.5°	5.8	11.7	115.0	161.8	70.2	39.0	60.4	74.1	101.3	142.3	35.1
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°	4897.9	4897.9	4897.9	4897.9	4897.9	4897.9	4897.9	4897.9	4897.9	4897.9	4897.9
2.5°	4911.5	4913.5	4899.9	4894.0	4897.9	4874.5	4864.8	4868.7	4868.7	4874.5	4864.8
5°	4960.3	4960.3	4936.9	4905.7	4888.2	4843.3	4814.1	4806.3	4800.5	4796.6	4788.8
7.5°	5065.5	5053.8	5012.9	4944.7	4886.2	4788.8	4714.7	4675.7	4656.2	4648.4	4642.6
10°	5235.1	5213.6	5145.4	5018.7	4884.3	4710.8	4549.0	4434.0	4338.5	4299.6	4276.2
12.5°	5463.1	5431.9	5316.9	5106.4	4870.6	4551.0	4200.2	3863.0	3549.2	3420.5	3356.2
15°	5726.2	5681.4	5500.2	5180.5	4790.7	4190.4	3428.3	2837.8	2403.1	2239.4	2169.3
17.5°	5993.3	5934.8	5660.0	5227.3	4551.0	3443.9	2405.1	1816.5	1526.1	1448.1	1420.8
20°	6262.2	6176.5	5798.4	5192.2	4009.1	2483.1	1586.5	1327.3	1243.5	1220.1	1212.3
22.5°	6517.5	6385.0	5923.1	5055.8	3175.0	1666.4	1255.2	1173.3	1146.0	1132.4	1128.5
25°	6739.7	6554.6	6032.2	4634.8	2247.2	1259.1	1130.4	1103.1	1068.1	1042.7	1044.7
27.5°	6948.3	6724.1	6098.5	3940.9	1498.8	1075.9	1046.6	1009.6	945.3	908.2	908.2
30°	7199.7	6950.2	6147.2	3032.7	1103.1	951.1	927.7	871.2	783.5	734.8	734.8
32.5°	7577.8	7293.3	6116.0	2128.3	914.1	836.1	781.6	703.6	608.1	561.3	559.4
35°	8156.7	7823.4	5893.9	1395.5	806.9	727.0	639.3	543.8	460.0	421.0	419.0
37.5°	8936.3	8532.8	5394.9	997.9	723.1	625.6	520.4	415.1	352.8	327.4	325.5
40°	9947.8	9357.3	4681.6	808.8	645.1	528.2	401.5	321.6	278.7	259.2	261.2
42.5°	11162.1	10240.2	3825.9	697.8	569.1	434.6	313.8	253.4	226.1	212.4	208.5
45°	12510.8	11111.4	2929.4	621.7	493.1	350.8	245.6	200.7	179.3	171.5	171.5
47.5°	13994.0	11959.2	2143.9	555.5	411.2	270.9	196.9	163.7	146.2	140.3	138.4
50°	15340.8	12547.8	1545.6	485.3	337.2	214.4	159.8	136.4	124.7	116.9	116.9
52.5°	16463.4	12733.0	1138.2	409.3	272.9	171.5	132.5	116.9	105.2	99.4	99.4
55°	17451.6	12657.0	845.9	337.2	220.2	140.3	113.0	99.4	89.7	83.8	83.8
57.5°	18398.8	12411.4	631.5	274.8	177.4	113.0	95.5	83.8	74.1	70.2	70.2
60°	19172.6	12002.1	469.7	222.2	142.3	91.6	79.9	68.2	60.4	54.6	54.6
62.5°	19800.2	11549.9	345.0	183.2	113.0	72.1	62.4	56.5	44.8	39.0	39.0
65°	19804.1	10799.6	259.2	152.0	87.7	56.5	46.8	44.8	29.2	23.4	21.4
67.5°	18371.5	9310.5	198.8	130.6	68.2	42.9	35.1	37.0	15.6	9.7	7.8
68°	17851.1	8932.4	187.1	128.6	64.3	40.9	33.1	37.0	13.6	7.8	5.8
70°	15050.4	7106.2	150.1	124.7	56.5	31.2	27.3	37.0	11.7	5.8	3.9
72.5°	9626.2	4124.1	111.1	99.4	42.9	23.4	17.5	33.1	11.7	3.9	1.9
75°	4096.9	1278.6	76.0	70.2	25.3	17.5	11.7	21.4	7.8	1.9	0.0
77.5°	863.4	288.5	44.8	42.9	17.5	11.7	7.8	5.8	1.9	0.0	0.0
80°	222.2	83.8	23.4	21.4	9.7	5.8	3.9	0.0	0.0	0.0	0.0
82.5°	70.2	33.1	13.6	9.7	3.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	35.1	19.5	7.8	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.5	5.8	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)