

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: P323120

Luminaire Tested: **GAN-SA6B-727-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323120
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6B-727-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23676 lumens
Efficiency: N/A
Efficacy: 95.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

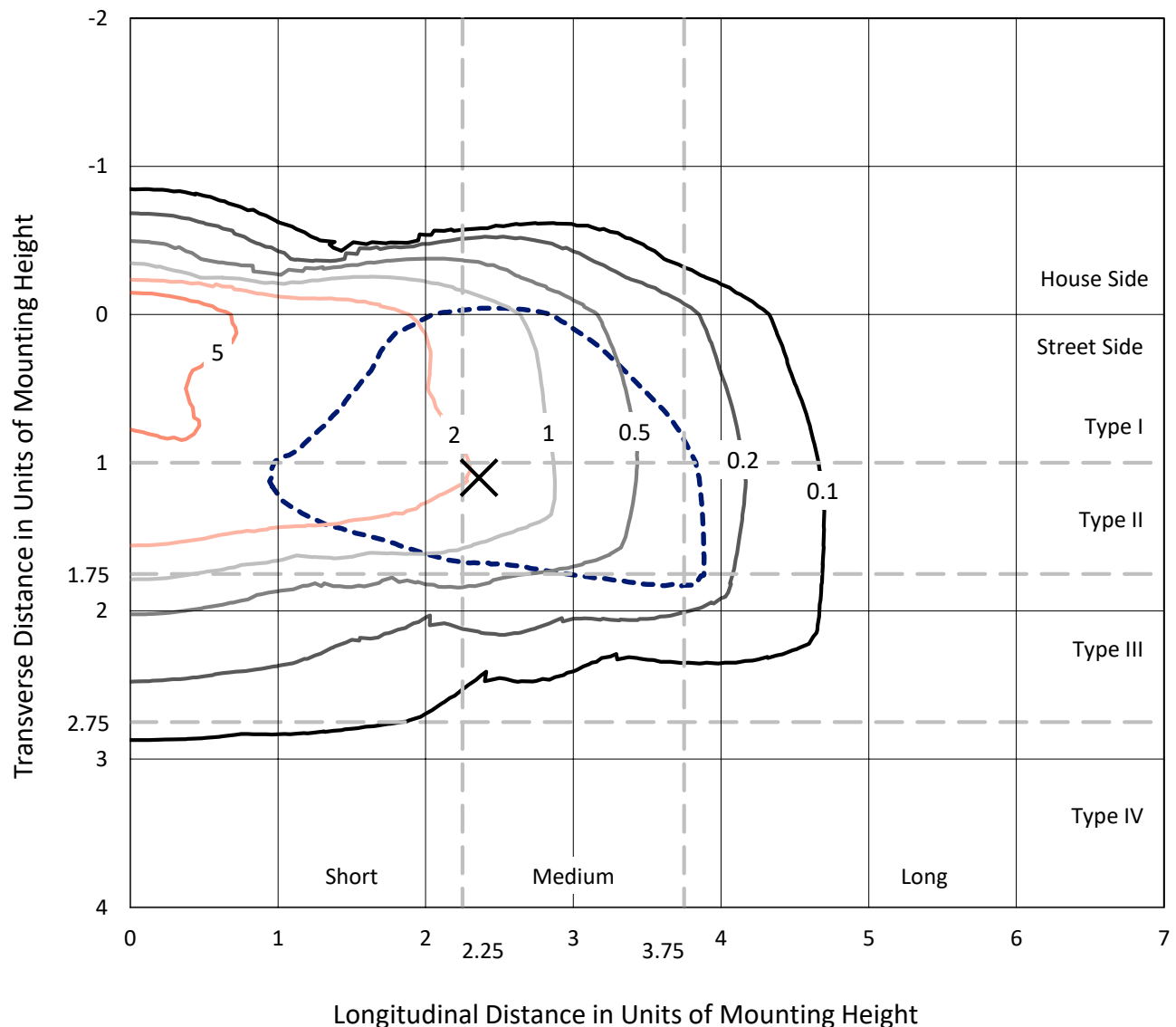
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

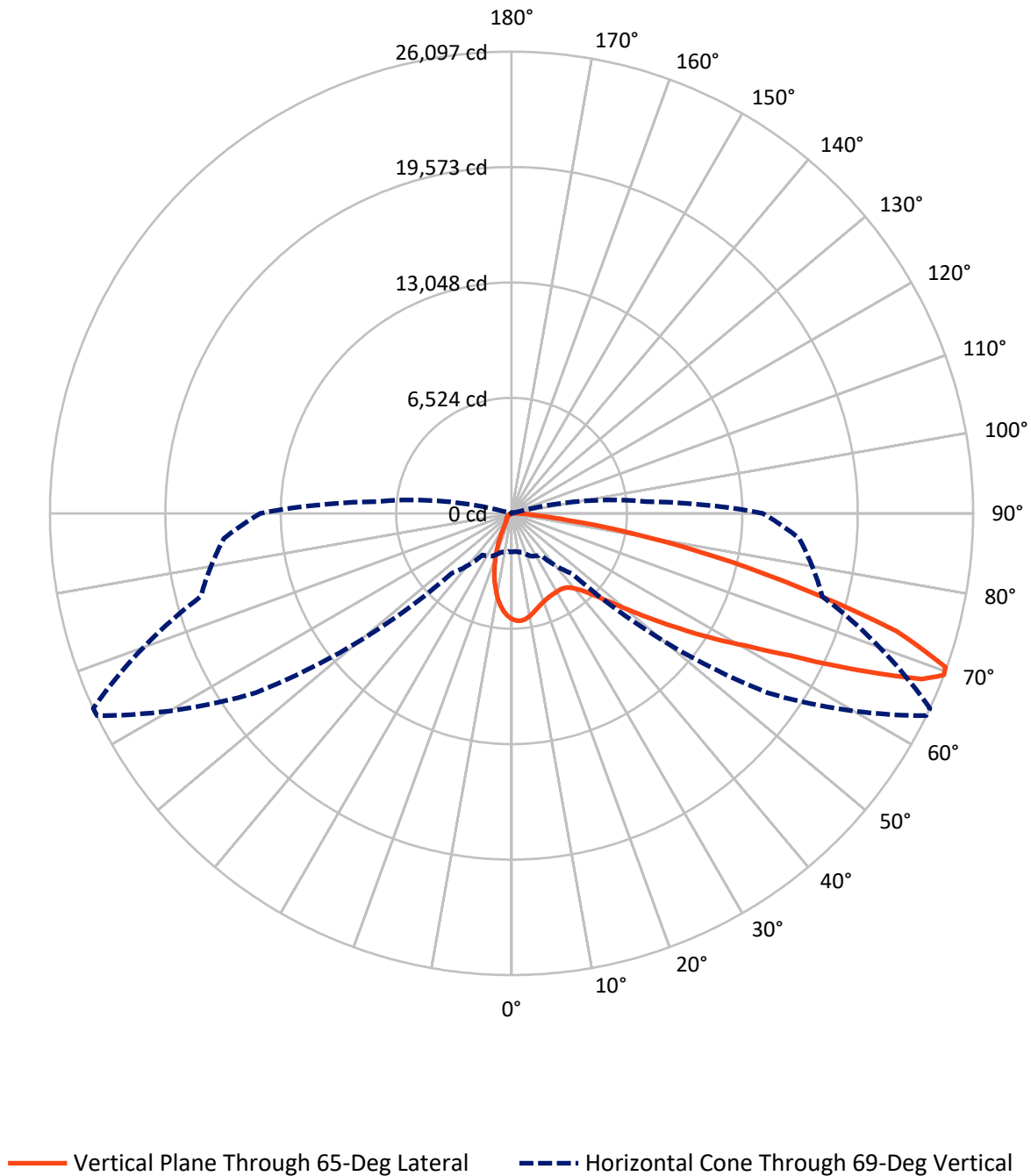
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2790.8	0.0	2790.8
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	20885.2	0.0	20885.2
	% Fixture	88.2	0.0	88.2
Total	Lumens	23676.0	0.0	23676.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	500.3	2.1
10°-20°	1095.2	4.6
20°-30°	1516.9	6.4
30°-40°	2115.0	8.9
40°-50°	3287.4	13.9
50°-60°	5277.5	22.3
60°-70°	5969.8	25.2
70°-80°	3506.1	14.8
80°-90°	407.9	1.7
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°	23676.0	100.0
0°-180°	23676.0	100.0

Coefficient of Utilization



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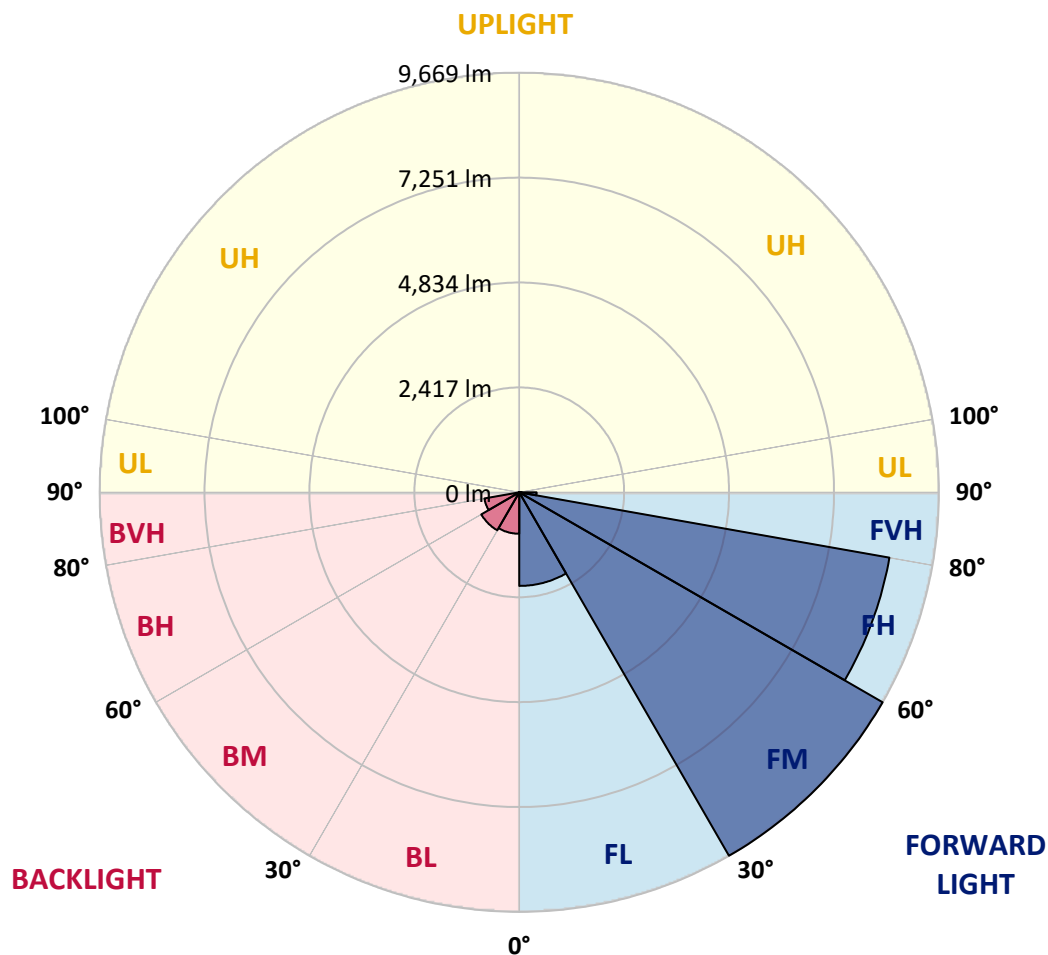
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2157.4	9.1			
FM	(30°-60°)	9668.6	40.8			
FH	(60°-80°)	8660.5	36.6			G4/12000
FVH	(80°-90°)	398.7	1.7			G3/500
BL	(0°-30°)	954.9	4.0	B2/1000		
BM	(30°-60°)	1011.3	4.3	B2/2500		
BH	(60°-80°)	815.4	3.4	B2/1000		G2/1000
BVH	(80°-90°)	9.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	5983.0	5983.0	5983.0	5983.0	5983.0	5983.0	5983.0	5983.0	5983.0	5983.0	5983.0
2.5°	6036.1	6021.0	6033.1	6059.1	6072.1	6072.1	6082.1	6070.1	6074.1	6045.1	6003.0
5°	5658.4	5635.3	5668.4	5741.5	5831.7	5908.8	6023.0	6083.2	6089.2	6090.2	6041.1
7.5°	5251.6	5230.6	5279.7	5365.8	5482.0	5625.3	5824.7	5999.0	6009.0	6103.2	6067.1
10°	4921.0	4906.0	4963.1	5055.3	5191.5	5351.8	5596.3	5838.7	5867.8	6076.1	6063.1
12.5°	4658.5	4646.5	4700.6	4806.8	4946.1	5123.4	5378.9	5660.4	5699.4	6015.0	6043.1
15°	4467.2	4465.2	4510.3	4612.5	4766.7	4932.0	5193.5	5495.1	5540.2	5948.9	6040.1
17.5°	4367.0	4370.0	4403.1	4490.2	4622.5	4786.8	5037.2	5355.8	5404.9	5889.8	6055.1
20°	4357.0	4360.0	4378.0	4427.1	4534.3	4679.6	4910.0	5238.6	5289.7	5845.7	6079.1
22.5°	4445.1	4443.1	4448.2	4443.1	4503.3	4613.5	4825.8	5148.4	5207.5	5816.7	6098.2
25°	4614.5	4611.5	4609.4	4572.4	4532.3	4591.4	4790.8	5097.3	5153.4	5795.6	6109.2
27.5°	4849.9	4847.9	4844.9	4783.8	4663.5	4626.5	4794.8	5078.3	5125.4	5778.6	6107.2
30°	5159.5	5173.5	5169.5	5084.3	4897.0	4733.7	4836.9	5068.3	5109.4	5745.5	6086.2
32.5°	5523.1	5551.2	5573.2	5482.0	5247.6	4946.1	4934.0	5079.3	5109.4	5720.5	6048.1
35°	5900.8	5936.9	6018.0	5986.0	5677.4	5265.7	5101.4	5145.4	5170.5	5734.5	6030.1
37.5°	6272.5	6315.6	6491.9	6585.1	6240.4	5688.4	5361.8	5308.7	5321.8	5819.7	6050.1
40°	6704.3	6769.4	7036.9	7187.2	6912.7	6254.5	5751.5	5589.2	5594.3	6007.0	6143.3
42.5°	7271.3	7338.5	7628.0	7863.4	7670.1	6969.8	6280.5	6018.0	6013.0	6357.7	6362.7
45°	7962.6	8032.7	8332.3	8593.8	8506.6	7817.3	6957.8	6644.2	6638.2	6910.7	6778.4
47.5°	8746.0	8815.2	9082.6	9352.1	9446.3	8807.1	7820.3	7498.7	7484.7	7679.1	7420.6
50°	9418.3	9463.3	9709.8	10072.5	10497.2	10023.4	8893.3	8583.7	8568.7	8699.9	8363.3
52.5°	9662.7	9688.8	9939.2	10447.1	11507.1	11670.4	10302.9	9904.2	9893.1	9950.2	9618.6
55°	9167.8	9214.9	9522.5	10275.8	12054.1	13531.8	12082.1	11539.2	11456.0	11332.8	10931.0
57.5°	7819.3	7894.5	8225.1	9226.9	11798.6	15008.5	14696.9	13388.5	13266.3	12512.9	11998.0
60°	5858.7	5950.9	6225.4	7306.4	10435.1	15534.5	17554.2	15449.3	15173.8	13452.7	12978.8
62.5°	4020.4	4066.5	4252.8	4957.1	7685.1	14672.9	19944.6	18209.4	17706.5	14474.5	14039.7
65°	3070.6	3086.7	3162.8	3405.2	4576.4	11918.8	20895.3	21851.1	21242.9	15696.8	15140.8
67.5°	2474.5	2461.5	2566.7	2913.3	3064.6	7271.3	19786.3	25296.4	25011.8	17330.8	16248.8
69°	2182.0	2164.0	2271.2	2673.9	2878.3	4806.8	17688.4	26078.8	26096.8	18193.3	16324.9
70°	1963.6	1975.6	2081.8	2531.6	2815.2	3772.9	15684.7	25879.4	26021.7	18515.9	15868.1
72.5°	1311.4	1343.5	1556.9	2101.9	2707.0	2855.2	9470.4	22207.7	22754.7	17789.6	13614.0
75°	739.4	763.4	1016.9	1584.9	2550.7	2719.0	5002.2	16361.0	16890.0	14876.3	10498.2
77.5°	362.7	375.7	575.1	1022.9	2132.9	2590.7	2837.2	11113.4	11717.5	9709.8	5937.9
80°	153.3	160.3	287.5	631.2	1524.8	2472.5	2106.9	6839.5	6914.7	3804.0	1581.9
82.5°	59.1	61.1	121.2	393.7	968.8	1927.5	1762.2	3242.9	3164.8	716.3	360.7
85°	7.0	8.0	44.1	236.4	539.0	991.8	1431.6	1397.6	1293.4	142.3	185.3
87.5°	0.0	0.0	3.0	72.1	160.3	464.9	744.4	580.1	523.0	46.1	96.2
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°	5983.0	5983.0	5983.0	5983.0	5983.0	5983.0	5983.0	5983.0	5983.0	5983.0	5983.0
2.5°	5967.9	5957.9	5903.8	5825.7	5751.5	5659.4	5571.2	5518.1	5476.0	5448.0	5481.0
5°	5984.0	5939.9	5775.6	5565.2	5358.8	5126.4	4910.0	4726.7	4654.5	4574.4	4610.5
7.5°	5979.0	5895.8	5600.3	5225.6	4846.9	4455.2	4084.5	3799.0	3650.7	3505.4	3542.5
10°	5953.9	5813.7	5365.8	4810.8	4243.8	3680.7	3154.8	2755.0	2531.6	2329.3	2358.3
12.5°	5898.8	5703.5	5089.3	4335.9	3577.6	2835.2	2219.1	1707.1	1432.6	1311.4	1326.4
15°	5865.8	5596.3	4796.8	3855.1	2866.3	1974.6	1356.5	1008.8	883.6	843.5	848.6
17.5°	5849.7	5493.1	4494.2	3305.1	2138.9	1257.3	876.6	773.4	746.4	739.4	741.4
20°	5833.7	5388.9	4182.7	2761.1	1473.7	845.5	720.3	690.3	680.2	671.2	673.2
22.5°	5806.6	5288.7	3848.1	2210.1	993.8	686.3	649.2	620.1	599.1	588.1	590.1
25°	5773.6	5183.5	3506.4	1646.0	725.3	612.1	577.1	536.0	510.9	490.9	491.9
27.5°	5720.5	5054.3	3153.8	1198.2	609.1	548.0	500.9	455.8	413.8	390.7	390.7
30°	5646.3	4908.0	2762.1	857.6	546.0	484.9	427.8	371.7	326.6	305.6	303.6
32.5°	5564.2	4755.7	2366.3	650.2	495.9	425.8	360.7	301.6	261.5	244.4	243.4
35°	5494.1	4591.4	1971.6	545.0	445.8	368.7	297.5	247.5	215.4	201.4	200.4
37.5°	5449.0	4427.1	1586.9	486.9	400.7	315.6	249.5	204.4	181.3	170.3	169.3
40°	5442.0	4304.9	1235.3	442.8	358.7	268.5	208.4	173.3	152.3	140.3	139.3
42.5°	5533.1	4234.8	947.7	405.7	315.6	227.4	177.3	148.3	126.2	114.2	113.2
45°	5772.6	4256.8	729.3	372.7	272.5	192.4	150.3	123.2	103.2	94.2	92.2
47.5°	6209.4	4409.1	580.1	339.6	231.4	163.3	128.2	102.2	85.2	76.1	75.1
50°	6986.8	4766.7	484.9	303.6	193.4	139.3	106.2	83.2	69.1	61.1	60.1
52.5°	8018.7	5403.9	432.8	268.5	160.3	118.2	87.2	66.1	54.1	48.1	47.1
55°	9156.8	6175.3	398.7	230.4	131.2	98.2	69.1	52.1	42.1	37.1	35.1
57.5°	10267.8	6843.5	366.7	193.4	109.2	80.1	55.1	41.1	33.1	28.1	27.0
60°	11288.7	7457.7	329.6	155.3	89.2	63.1	43.1	32.1	26.0	21.0	21.0
62.5°	12381.7	7932.5	278.5	121.2	73.1	48.1	35.1	29.1	21.0	18.0	17.0
65°	13539.8	8285.2	218.4	94.2	57.1	36.1	29.1	30.1	17.0	13.0	12.0
67.5°	14395.4	8215.1	161.3	74.1	44.1	28.1	28.1	32.1	15.0	10.0	9.0
69°	14207.0	7645.0	135.2	64.1	38.1	24.0	26.0	32.1	14.0	9.0	8.0
70°	13661.0	7013.9	119.2	57.1	34.1	22.0	25.0	31.1	13.0	9.0	8.0
72.5°	11376.9	5282.7	93.2	43.1	27.0	18.0	21.0	27.0	13.0	9.0	7.0
75°	8557.7	3381.2	71.1	31.1	20.0	14.0	16.0	20.0	13.0	8.0	7.0
77.5°	4656.5	1219.2	51.1	21.0	14.0	11.0	11.0	15.0	12.0	6.0	4.0
80°	1197.2	306.6	32.1	14.0	11.0	8.0	7.0	10.0	7.0	1.0	0.0
82.5°	295.5	69.1	17.0	10.0	8.0	3.0	3.0	5.0	3.0	0.0	0.0
85°	162.3	34.1	11.0	7.0	4.0	0.0	0.0	1.0	0.0	0.0	0.0
87.5°	83.2	10.0	3.0	2.0	1.0	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)