

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: P323608

Luminaire Tested: **GAN-SA4C-760-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323608
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA4C-760-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24375 lumens
Efficiency: N/A
Efficacy: 108.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G4

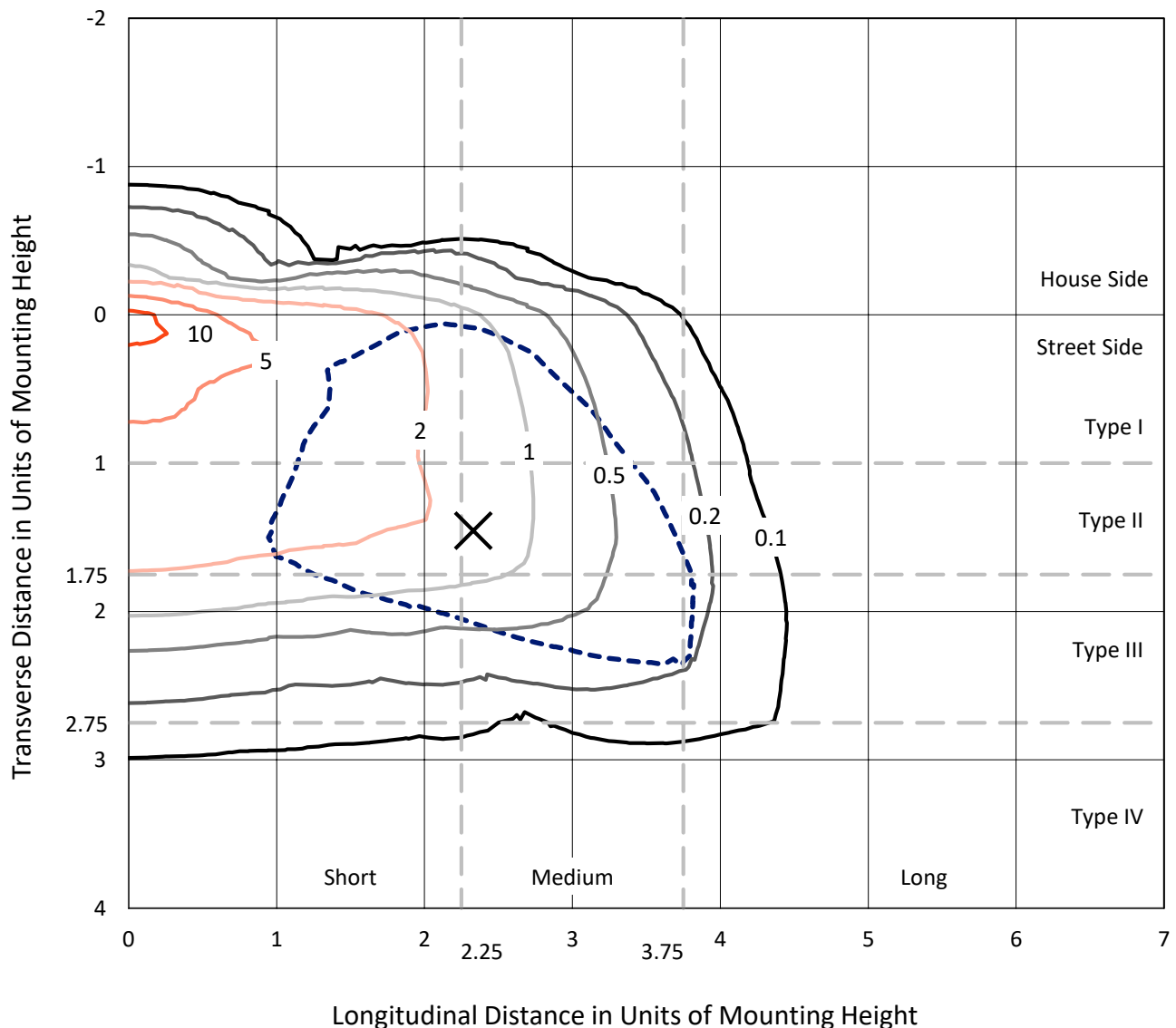
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

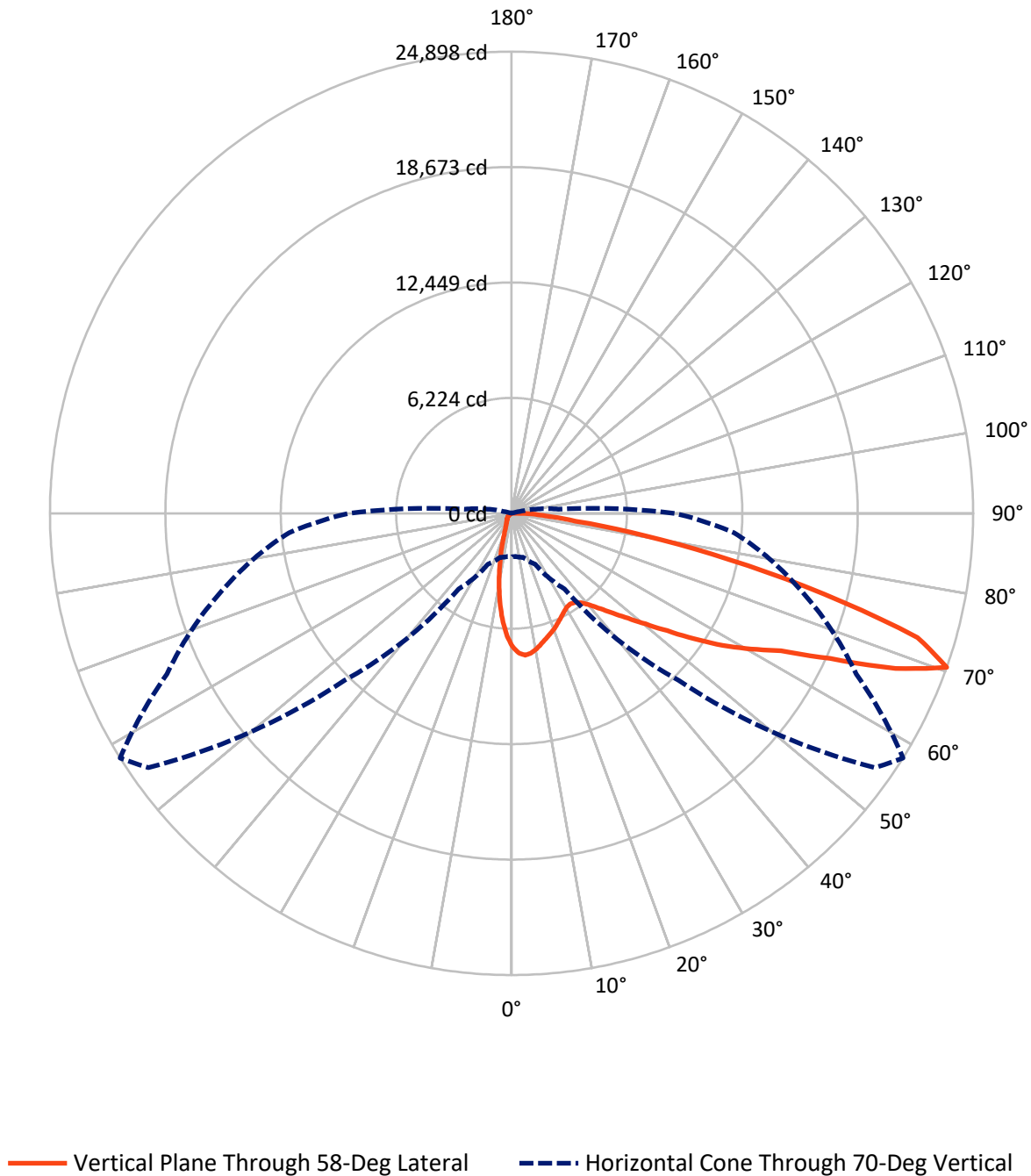
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 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	2086.0	0.0	2086.0
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	22289.0	0.0	22289.0
	% Fixture	91.4	0.0	91.4
Total	Lumens	24375.0	0.0	24375.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	588.8	2.4
10°-20°	1235.7	5.1
20°-30°	1624.6	6.7
30°-40°	2151.6	8.8
40°-50°	3215.9	13.2
50°-60°	5151.8	21.1
60°-70°	6493.8	26.6
70°-80°	3502.7	14.4
80°-90°	410.0	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°	24375.0	100.0
0°-180°	24375.0	100.0

Coefficient of Utilization



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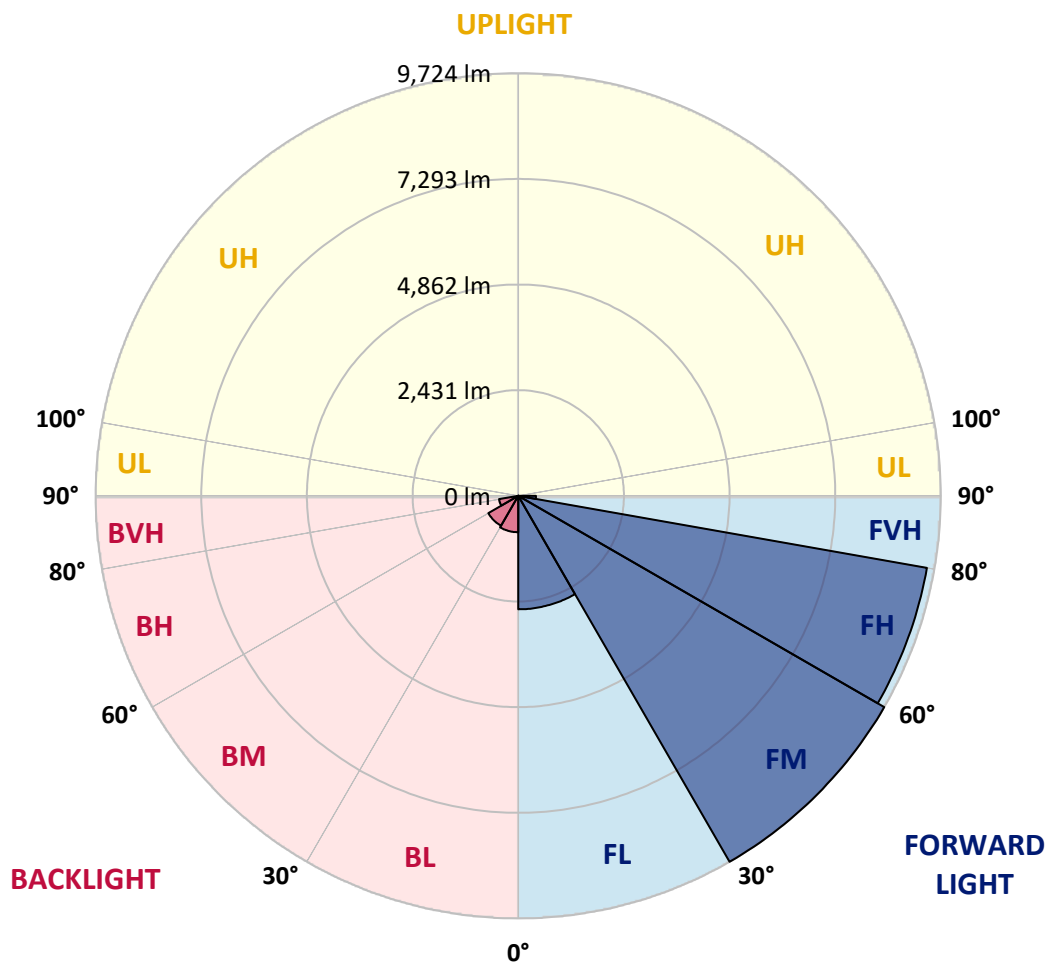
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2611.1	10.7			
FM	(30°-60°)	9723.6	39.9			
FH	(60°-80°)	9547.9	39.2			G4/12000
FVH	(80°-90°)	406.5	1.7			G3/500
BL	(0°-30°)	838.1	3.4	B2/1000		
BM	(30°-60°)	795.8	3.3	B1/1000		
BH	(60°-80°)	448.6	1.8	B1/500		G1/500
BVH	(80°-90°)	3.5	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°	58°	65°	75°	85°
0°	7200.3	7200.3	7200.3	7200.3	7200.3	7200.3	7200.3	7200.3	7200.3	7200.3	7200.3
2.5°	7797.2	7778.0	7770.9	7758.7	7712.1	7666.5	7576.3	7550.9	7494.2	7359.4	7216.5
5°	7803.3	7802.3	7823.6	7818.5	7802.3	7781.0	7716.2	7682.7	7586.4	7393.8	7132.4
7.5°	7427.3	7446.6	7494.2	7532.7	7577.3	7635.1	7643.2	7610.7	7531.7	7323.9	6977.3
10°	6922.5	6953.0	7019.8	7095.9	7212.4	7328.0	7431.3	7427.3	7399.9	7195.2	6790.8
12.5°	6416.8	6452.3	6529.3	6641.8	6807.0	6995.5	7180.0	7205.3	7250.9	7079.6	6618.5
15°	5973.9	6004.3	6080.3	6218.1	6422.9	6676.3	6946.9	6993.5	7111.1	6989.4	6474.6
17.5°	5597.8	5617.1	5672.8	5825.9	6063.1	6370.2	6721.9	6813.1	6988.4	6918.5	6349.9
20°	5335.3	5338.4	5374.9	5482.3	5719.5	6063.1	6488.7	6619.5	6858.7	6857.7	6221.2
22.5°	5205.6	5195.5	5202.6	5264.4	5438.7	5770.1	6255.6	6410.7	6742.1	6806.0	6090.4
25°	5181.3	5173.2	5152.9	5161.0	5266.4	5513.7	6020.5	6199.9	6639.8	6774.6	5976.9
27.5°	5257.3	5265.4	5230.9	5194.4	5202.6	5347.5	5811.7	6019.5	6556.7	6774.6	5896.8
30°	5410.3	5414.4	5389.0	5341.4	5277.6	5300.9	5666.8	5874.5	6515.1	6821.2	5846.2
32.5°	5579.6	5601.9	5598.9	5560.3	5469.1	5374.9	5632.3	5821.8	6512.1	6924.6	5841.1
35°	5789.4	5814.7	5857.3	5849.2	5753.9	5598.9	5749.9	5898.9	6571.9	7094.9	5895.8
37.5°	6012.4	6050.9	6142.1	6185.7	6123.9	5948.5	6013.4	6119.8	6732.0	7370.5	6034.7
40°	6228.3	6271.8	6438.1	6609.4	6562.7	6382.3	6412.7	6497.9	7016.8	7766.8	6298.2
42.5°	6440.1	6505.0	6749.2	7031.0	7086.7	6942.8	6959.0	7026.9	7439.5	8312.1	6729.0
45°	6693.5	6766.5	7128.3	7475.9	7624.9	7562.1	7631.0	7675.6	7991.8	9032.8	7309.7
47.5°	7065.5	7149.6	7593.5	7989.8	8251.3	8291.9	8430.7	8460.1	8690.2	9872.0	8066.8
50°	7791.2	7814.5	8215.8	8575.6	8952.7	9195.9	9354.1	9376.4	9535.5	10789.2	9012.5
52.5°	8704.4	8719.6	8946.6	9187.8	9616.6	10113.2	10483.1	10514.6	10548.0	11683.2	9946.0
55°	9611.5	9609.5	9759.5	9901.4	10391.9	11113.6	11916.3	11935.6	11695.4	12531.5	10659.5
57.5°	10178.1	10232.8	10460.9	10643.3	11328.4	12253.8	13367.7	13438.7	12900.5	13159.9	11364.9
60°	9997.7	10024.0	10529.8	11204.8	12495.0	13874.5	14836.3	14854.6	13806.6	13787.3	12256.9
62.5°	8517.9	8532.1	9326.7	10718.3	13085.9	15976.6	16608.0	16311.1	14848.5	14658.0	13324.1
65°	5838.0	5930.3	6594.2	8314.2	12000.4	17295.2	19350.7	18859.1	16436.7	15912.7	14289.0
67.5°	3438.0	3418.7	3747.1	5014.0	8813.8	16419.5	22820.1	22331.5	18602.7	16753.0	14006.2
70°	2348.4	2335.2	2460.9	3035.6	4975.5	12737.3	23911.7	24897.9	20515.3	16187.4	12054.2
72.5°	1676.4	1683.5	1869.0	2358.5	3123.8	7421.2	20562.9	22897.1	19916.3	14111.7	9162.5
75°	1138.2	1157.5	1423.0	1934.9	2738.6	3775.5	14592.1	17405.7	16217.8	10256.1	5266.4
77.5°	612.2	633.5	946.7	1558.8	2476.1	2623.1	9386.5	11979.1	10187.2	4610.6	1526.4
80°	255.4	267.6	442.9	1133.1	2139.6	2303.8	5522.8	7264.1	4341.0	909.2	340.6
82.5°	110.5	116.6	184.5	676.0	1599.4	1945.0	2924.1	3494.7	1315.6	199.7	171.3
85°	21.3	22.3	76.0	357.8	1020.6	1097.7	1895.3	1857.8	590.9	86.2	124.7
87.5°	0.0	0.0	18.2	112.5	300.0	598.0	1156.5	1142.3	200.7	41.6	46.6
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°	7200.3	7200.3	7200.3	7200.3	7200.3	7200.3	7200.3	7200.3	7200.3	7200.3	7200.3
2.5°	7143.5	7073.6	6926.6	6745.2	6606.3	6453.3	6331.6	6177.6	6110.7	6113.7	6077.2
5°	6983.4	6839.4	6514.1	6103.6	5787.4	5461.0	5180.3	4900.5	4735.3	4681.6	4630.9
7.5°	6754.3	6526.2	6007.3	5374.9	4839.7	4316.7	3861.6	3461.3	3207.9	3084.2	3038.6
10°	6495.8	6175.6	5424.5	4591.4	3827.2	3119.7	2529.8	2017.0	1812.2	1673.4	1637.9
12.5°	6268.8	5835.0	4854.9	3787.6	2880.5	2027.1	1464.6	1145.3	1006.5	951.7	942.6
15°	6054.9	5516.8	4306.6	3059.9	1994.7	1247.7	931.5	823.0	790.6	781.4	781.4
17.5°	5853.3	5213.7	3770.4	2343.3	1319.6	874.7	771.3	747.0	736.9	735.8	736.9
20°	5642.4	4910.7	3243.4	1717.0	921.3	740.9	712.5	699.3	696.3	696.3	696.3
22.5°	5440.7	4607.6	2730.5	1226.4	738.9	676.0	661.8	652.7	649.7	648.7	646.6
25°	5247.1	4319.8	2229.8	866.6	648.7	619.3	607.1	595.0	585.8	580.8	577.7
27.5°	5088.0	4063.3	1763.6	695.3	585.8	560.5	545.3	527.0	504.7	494.6	490.6
30°	4961.3	3829.2	1359.2	586.8	527.0	501.7	478.4	447.0	414.5	397.3	396.3
32.5°	4862.0	3599.1	1031.8	518.9	474.3	442.9	409.5	369.9	332.4	313.2	312.2
35°	4813.3	3396.4	788.5	469.3	427.7	388.2	346.6	303.1	266.6	248.3	246.3
37.5°	4845.8	3225.1	615.2	427.7	388.2	342.6	293.9	248.3	215.9	199.7	198.7
40°	4964.4	3115.7	499.7	392.2	354.7	299.0	246.3	203.7	176.4	163.2	162.2
42.5°	5216.7	3075.1	426.7	362.9	322.3	258.5	204.7	168.2	142.9	133.8	131.8
45°	5638.4	3134.9	377.0	334.5	288.9	219.9	169.3	137.8	115.5	108.4	107.4
47.5°	6199.9	3292.0	341.6	307.1	258.5	185.5	140.9	111.5	94.3	87.2	86.2
50°	6923.6	3541.3	312.2	279.7	230.1	157.1	116.6	88.2	73.0	67.9	67.9
52.5°	7711.1	3838.3	285.8	254.4	201.7	130.7	94.3	67.9	57.8	51.7	51.7
55°	8361.8	4097.8	257.4	235.1	167.2	108.4	72.0	51.7	42.6	39.5	39.5
57.5°	9011.5	4374.5	225.0	201.7	133.8	88.2	54.7	38.5	31.4	29.4	29.4
60°	9853.7	4713.0	193.6	164.2	105.4	66.9	40.5	27.4	23.3	22.3	22.3
62.5°	10780.1	4911.7	165.2	131.8	82.1	49.7	29.4	18.2	17.2	17.2	16.2
65°	11346.7	4630.9	138.9	105.4	63.9	37.5	19.3	13.2	15.2	14.2	12.2
67.5°	10624.0	3625.5	113.5	82.1	49.7	28.4	12.2	9.1	16.2	13.2	10.1
70°	8796.6	2537.9	88.2	57.8	39.5	24.3	8.1	6.1	17.2	13.2	8.1
72.5°	6583.0	1698.7	69.9	38.5	29.4	21.3	7.1	3.0	15.2	11.1	7.1
75°	3597.1	684.1	55.7	24.3	18.2	15.2	5.1	2.0	10.1	8.1	5.1
77.5°	946.7	180.4	40.5	16.2	10.1	6.1	3.0	1.0	5.1	4.1	2.0
80°	241.2	69.9	26.4	11.1	7.1	3.0	0.0	0.0	1.0	0.0	0.0
82.5°	128.7	29.4	16.2	8.1	4.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	97.3	19.3	9.1	5.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	37.5	6.1	3.0	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)