

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: P323370

Luminaire Tested: **GAN-SA6C-830-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323370
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-SA6C-830-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1050mA 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: 27844 lumens
Efficiency: N/A
Efficacy: 83.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

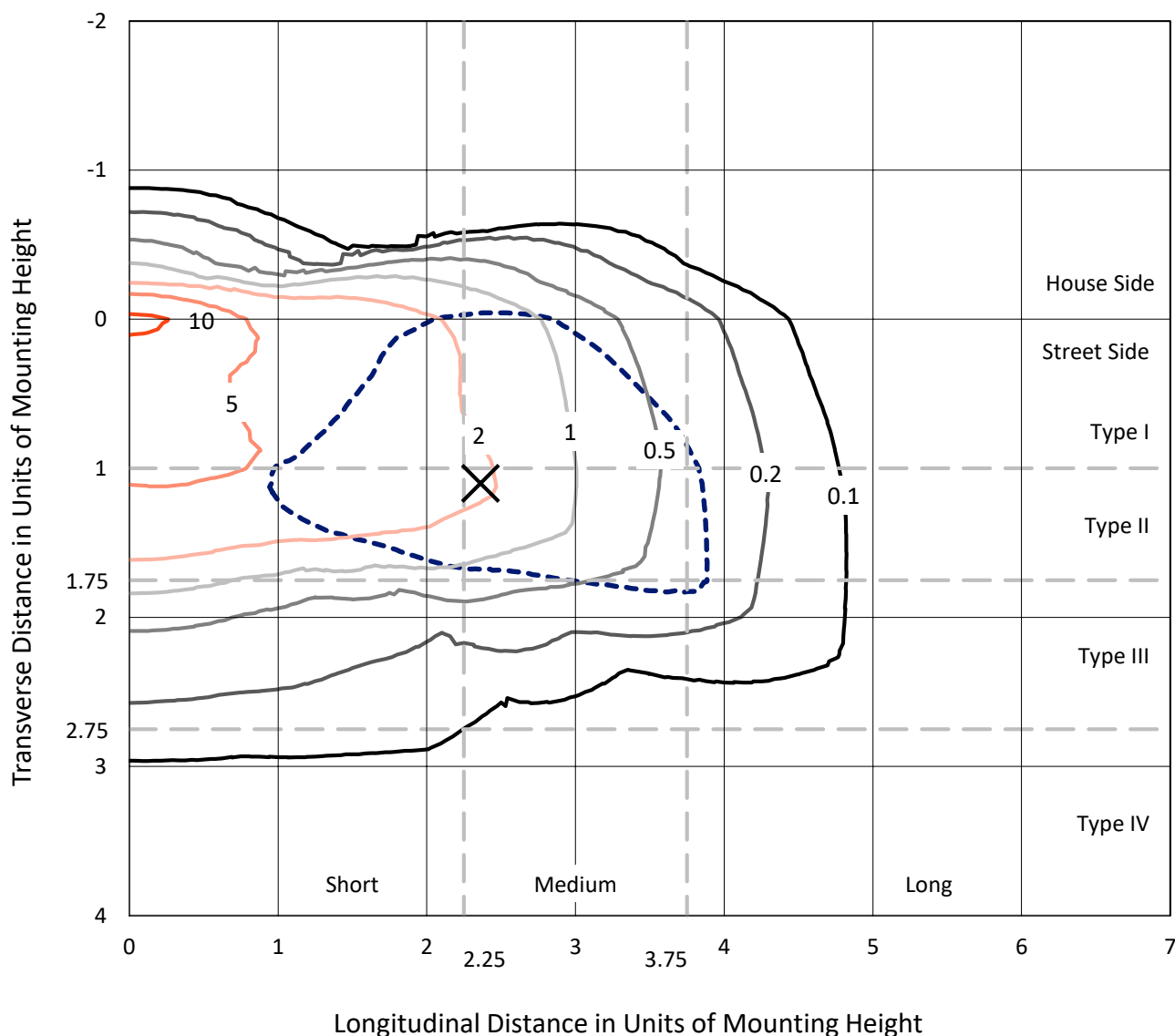
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

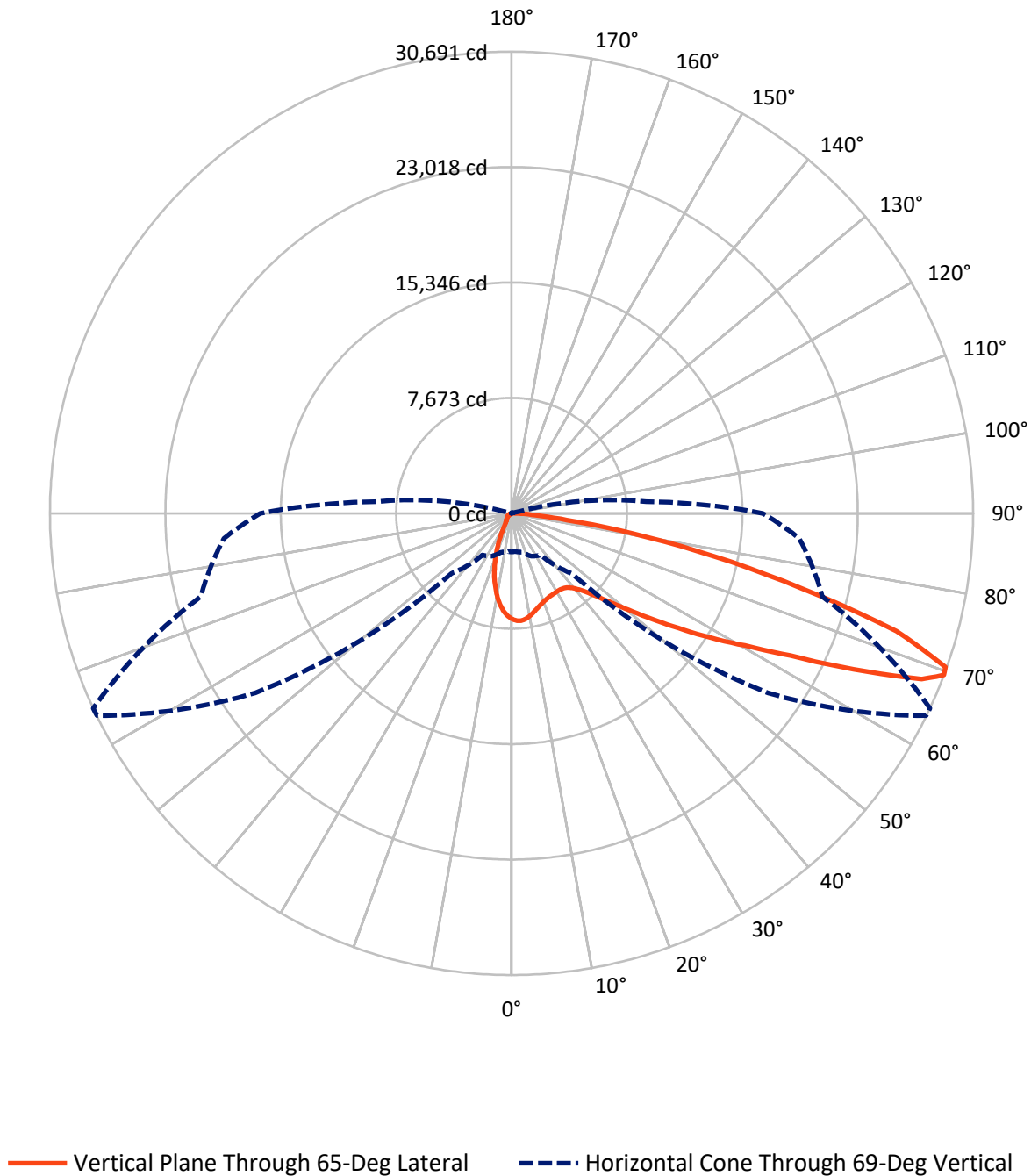
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 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	3282.1	0.0	3282.1
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	24561.8	0.0	24561.8
	% Fixture	88.2	0.0	88.2
Total	Lumens	27844.0	0.0	27844.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	588.4	2.1
10°-20°	1288.0	4.6
20°-30°	1783.9	6.4
30°-40°	2487.3	8.9
40°-50°	3866.1	13.9
50°-60°	6206.6	22.3
60°-70°	7020.7	25.2
70°-80°	4123.3	14.8
80°-90°	479.7	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°	27844.0	100.0
0°-180°	27844.0	100.0

Coefficient of Utilization



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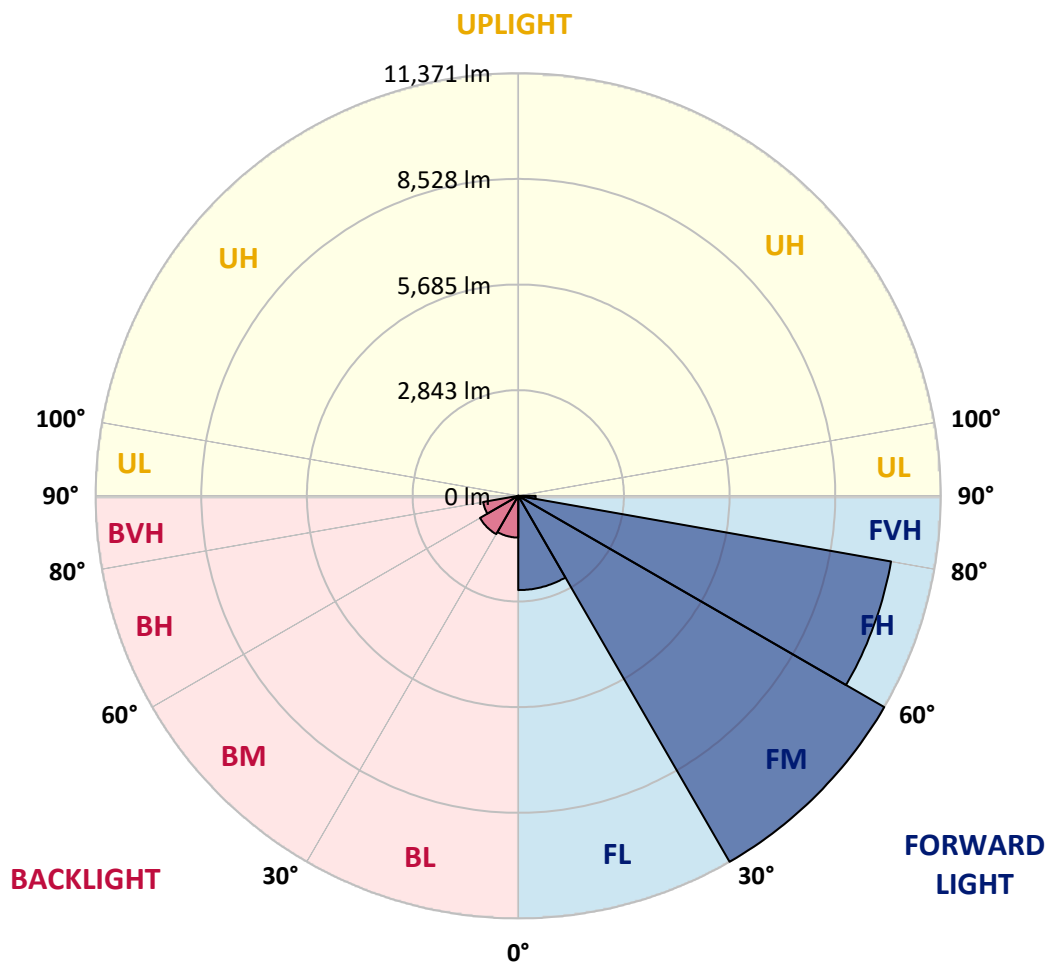
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2537.2	9.1			
FM	(30°-60°)	11370.7	40.8			
FH	(60°-80°)	10185.1	36.6			G4/12000
FVH	(80°-90°)	468.9	1.7			G3/500
BL	(0°-30°)	1123.0	4.0	B3/2500		
BM	(30°-60°)	1189.4	4.3	B2/2500		
BH	(60°-80°)	959.0	3.4	B2/1000		G2/1000
BVH	(80°-90°)	10.8	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	7036.2	7036.2	7036.2	7036.2	7036.2	7036.2	7036.2	7036.2	7036.2	7036.2	7036.2
2.5°	7098.7	7081.0	7095.1	7125.8	7141.1	7141.1	7152.9	7138.7	7143.4	7109.3	7059.8
5°	6654.5	6627.4	6666.3	6752.3	6858.3	6949.0	7083.4	7154.0	7161.1	7162.3	7104.6
7.5°	6176.1	6151.4	6209.1	6310.5	6447.1	6615.6	6850.1	7055.1	7066.9	7177.6	7135.2
10°	5787.3	5769.7	5836.8	5945.2	6105.4	6294.0	6581.4	6866.6	6900.7	7145.8	7130.5
12.5°	5478.6	5464.5	5528.1	5653.0	5816.8	6025.3	6325.8	6656.8	6702.8	7073.9	7106.9
15°	5253.6	5251.3	5304.3	5424.4	5605.9	5800.3	6107.8	6462.4	6515.5	6996.2	7103.4
17.5°	5135.8	5139.3	5178.2	5280.7	5436.2	5629.5	5924.0	6298.7	6356.4	6926.7	7121.1
20°	5124.0	5127.5	5148.7	5206.5	5332.5	5503.4	5774.4	6160.8	6220.9	6874.8	7149.3
22.5°	5227.7	5225.3	5231.2	5225.3	5296.0	5425.6	5675.4	6054.8	6124.3	6840.6	7171.7
25°	5426.8	5423.3	5420.9	5377.3	5330.2	5399.7	5634.2	5994.7	6060.7	6815.9	7184.7
27.5°	5703.7	5701.3	5697.8	5625.9	5484.5	5440.9	5638.9	5972.3	6027.7	6795.9	7182.3
30°	6067.7	6084.2	6079.5	5979.4	5759.1	5567.0	5688.4	5960.5	6008.8	6757.0	7157.6
32.5°	6495.4	6528.4	6554.3	6447.1	6171.4	5816.8	5802.6	5973.5	6008.8	6727.5	7112.8
35°	6939.6	6982.0	7077.5	7039.8	6676.9	6192.6	5999.4	6051.2	6080.7	6744.0	7091.6
37.5°	7376.7	7427.4	7634.8	7744.3	7339.0	6689.8	6305.7	6243.3	6258.6	6844.2	7115.2
40°	7884.5	7961.1	8275.7	8452.4	8129.6	7355.5	6764.1	6573.2	6579.1	7064.5	7224.7
42.5°	8551.4	8630.3	8970.8	9247.7	9020.3	8196.8	7386.2	7077.5	7071.6	7476.9	7482.8
45°	9364.4	9446.8	9799.1	10106.6	10004.1	9193.5	8182.6	7813.8	7806.8	8127.2	7971.7
47.5°	10285.7	10367.0	10681.6	10998.5	11109.3	10357.6	9197.1	8818.8	8802.4	9030.9	8726.9
50°	11076.3	11129.3	11419.1	11845.7	12345.2	11787.9	10458.9	10094.8	10077.2	10231.5	9835.6
52.5°	11363.8	11394.4	11689.0	12286.3	13532.8	13724.9	12116.6	11647.7	11634.8	11701.9	11311.9
55°	10781.7	10837.1	11198.8	12084.8	14176.1	15914.0	14209.1	13570.5	13472.7	13327.8	12855.4
57.5°	9195.9	9284.2	9673.0	10851.2	13875.7	17650.7	17284.2	15745.5	15601.8	14715.8	14110.2
60°	6890.1	6998.5	7321.4	8592.6	12272.2	18269.2	20644.5	18169.1	17845.1	15820.9	15263.6
62.5°	4728.1	4782.3	5001.5	5829.7	9038.0	17256.0	23455.7	21415.0	20823.6	17022.7	16511.3
65°	3611.2	3630.0	3719.6	4004.7	5382.0	14017.1	24573.8	25697.8	24982.6	18460.1	17806.2
67.5°	2910.2	2894.8	3018.6	3426.2	3604.1	8551.4	23269.5	29749.6	29415.0	20381.7	19109.3
69°	2566.1	2544.9	2671.0	3144.6	3385.0	5653.0	20802.4	30669.8	30691.0	21396.2	19198.8
70°	2309.3	2323.4	2448.3	2977.3	3310.8	4437.1	18445.9	30435.3	30602.6	21775.5	18661.6
72.5°	1542.3	1580.0	1830.9	2471.9	3183.5	3357.9	11137.6	26117.2	26760.5	20921.3	16010.6
75°	869.5	897.8	1195.9	1863.9	2999.7	3197.6	5882.8	19241.2	19863.3	17495.1	12346.4
77.5°	426.5	441.8	676.3	1202.9	2508.4	3046.8	3336.7	13069.8	13780.3	11419.1	6983.2
80°	180.3	188.5	338.1	742.3	1793.2	2907.8	2477.8	8043.6	8132.0	4473.6	1860.4
82.5°	69.5	71.9	142.6	463.0	1139.3	2266.9	2072.5	3813.8	3721.9	842.4	424.2
85°	8.2	9.4	51.8	278.1	633.9	1166.4	1683.7	1643.6	1521.1	167.3	218.0
87.5°	0.0	0.0	3.5	84.8	188.5	546.7	875.4	682.2	615.0	54.2	113.1
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°	7036.2	7036.2	7036.2	7036.2	7036.2	7036.2	7036.2	7036.2	7036.2	7036.2	7036.2
2.5°	7018.6	7006.8	6943.1	6851.2	6764.1	6655.7	6552.0	6489.5	6440.1	6407.1	6445.9
5°	7037.4	6985.6	6792.3	6544.9	6302.2	6028.9	5774.4	5558.8	5473.9	5379.7	5422.1
7.5°	7031.5	6933.7	6586.2	6145.5	5700.1	5239.5	4803.5	4467.7	4293.4	4122.5	4166.1
10°	7002.1	6837.1	6310.5	5657.7	4990.9	4328.7	3710.2	3240.1	2977.3	2739.3	2773.5
12.5°	6937.3	6707.5	5985.3	5099.3	4207.4	3334.3	2609.7	2007.7	1684.8	1542.3	1559.9
15°	6898.4	6581.4	5641.2	4533.7	3370.8	2322.2	1595.3	1186.5	1039.2	992.0	997.9
17.5°	6879.5	6460.1	5285.4	3886.9	2515.5	1478.6	1030.9	909.6	877.8	869.5	871.9
20°	6860.7	6337.6	4919.0	3247.1	1733.1	994.4	847.1	811.8	800.0	789.4	791.8
22.5°	6828.9	6219.7	4525.5	2599.1	1168.8	807.1	763.5	729.3	704.6	691.6	694.0
25°	6790.0	6096.0	4123.7	1935.8	853.0	719.9	678.6	630.3	600.9	577.3	578.5
27.5°	6727.5	5944.0	3709.0	1409.1	716.3	644.5	589.1	536.1	486.6	459.5	459.5
30°	6640.4	5772.0	3248.3	1008.5	642.1	570.3	503.1	437.1	384.1	359.4	357.0
32.5°	6543.7	5592.9	2782.9	764.7	583.2	500.7	424.2	354.6	307.5	287.5	286.3
35°	6461.3	5399.7	2318.7	640.9	524.3	433.6	349.9	291.0	253.3	236.8	235.6
37.5°	6408.2	5206.5	1866.3	572.6	471.3	371.1	293.4	240.4	213.3	200.3	199.1
40°	6400.0	5062.7	1452.7	520.8	421.8	315.8	245.1	203.8	179.1	164.9	163.8
42.5°	6507.2	4980.3	1114.6	477.2	371.1	267.5	208.5	174.4	148.5	134.3	133.1
45°	6788.8	5006.2	857.7	438.3	320.5	226.2	176.7	144.9	121.4	110.8	108.4
47.5°	7302.5	5185.3	682.2	399.4	272.2	192.0	150.8	120.2	100.1	89.5	88.4
50°	8216.8	5605.9	570.3	357.0	227.4	163.8	124.9	97.8	81.3	71.9	70.7
52.5°	9430.3	6355.2	509.0	315.8	188.5	139.0	102.5	77.8	63.6	56.6	55.4
55°	10768.8	7262.4	468.9	271.0	154.3	115.5	81.3	61.3	49.5	43.6	41.2
57.5°	12075.4	8048.3	431.2	227.4	128.4	94.3	64.8	48.3	38.9	33.0	31.8
60°	13276.0	8770.5	387.6	182.6	104.9	74.2	50.7	37.7	30.6	24.7	24.7
62.5°	14561.4	9329.0	327.5	142.6	86.0	56.6	41.2	34.2	24.7	21.2	20.0
65°	15923.4	9743.7	256.8	110.8	67.2	42.4	34.2	35.3	20.0	15.3	14.1
67.5°	16929.6	9661.3	189.7	87.2	51.8	33.0	33.0	37.7	17.7	11.8	10.6
69°	16708.1	8990.9	159.1	75.4	44.8	28.3	30.6	37.7	16.5	10.6	9.4
70°	16066.0	8248.6	140.2	67.2	40.1	25.9	29.5	36.5	15.3	10.6	9.4
72.5°	13379.7	6212.7	109.6	50.7	31.8	21.2	24.7	31.8	15.3	10.6	8.2
75°	10064.2	3976.4	83.7	36.5	23.6	16.5	18.9	23.6	15.3	9.4	8.2
77.5°	5476.3	1433.9	60.1	24.7	16.5	13.0	13.0	17.7	14.1	7.1	4.7
80°	1408.0	360.5	37.7	16.5	13.0	9.4	8.2	11.8	8.2	1.2	0.0
82.5°	347.6	81.3	20.0	11.8	9.4	3.5	3.5	5.9	3.5	0.0	0.0
85°	190.9	40.1	13.0	8.2	4.7	0.0	0.0	1.2	0.0	0.0	0.0
87.5°	97.8	11.8	3.5	2.4	1.2	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)