

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: P321370

Luminaire Tested: **GAN-SA6C-760-U-T2R-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P321370
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-9)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-760-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34147 lumens
Efficiency: N/A
Efficacy: 102.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

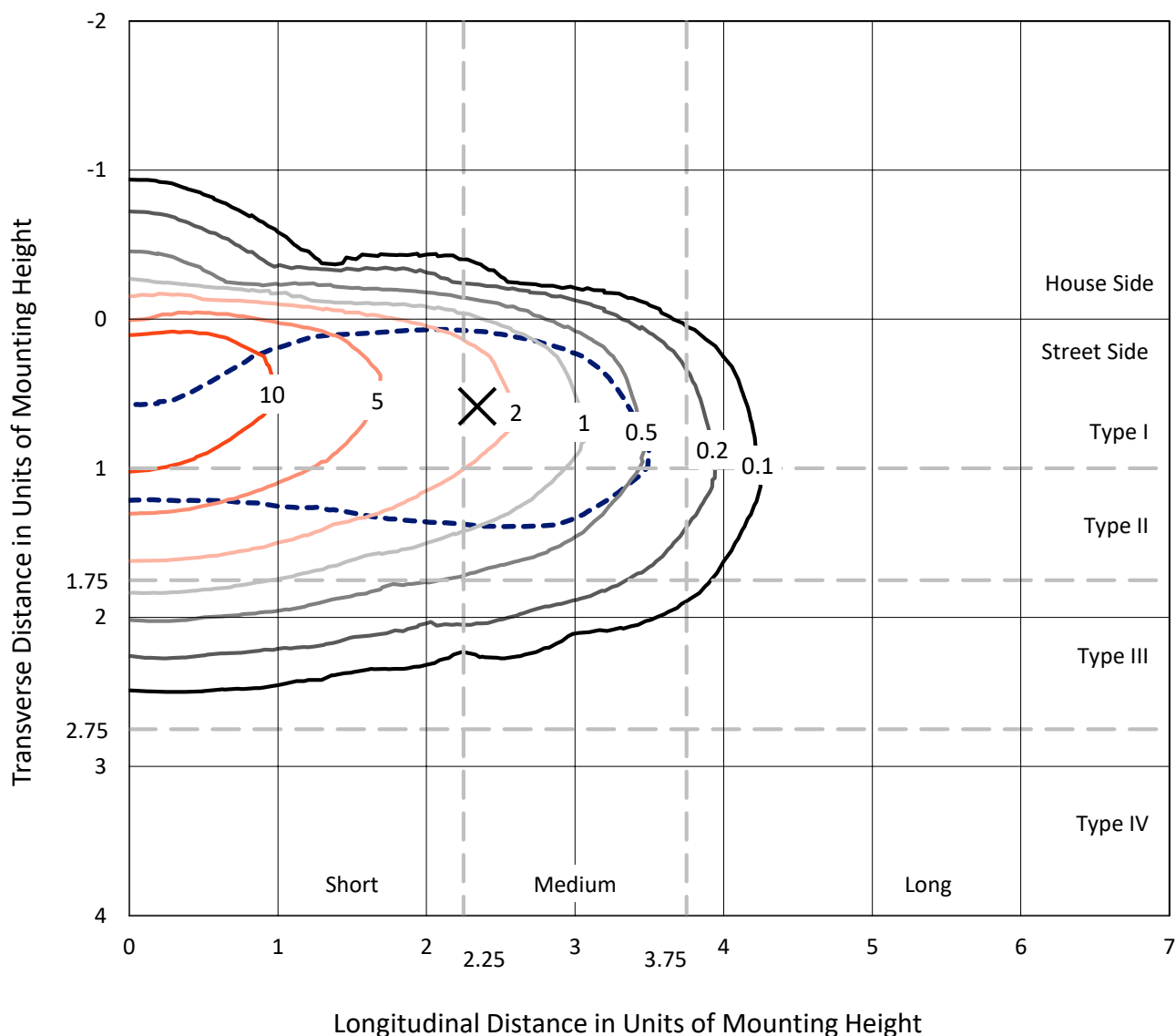
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

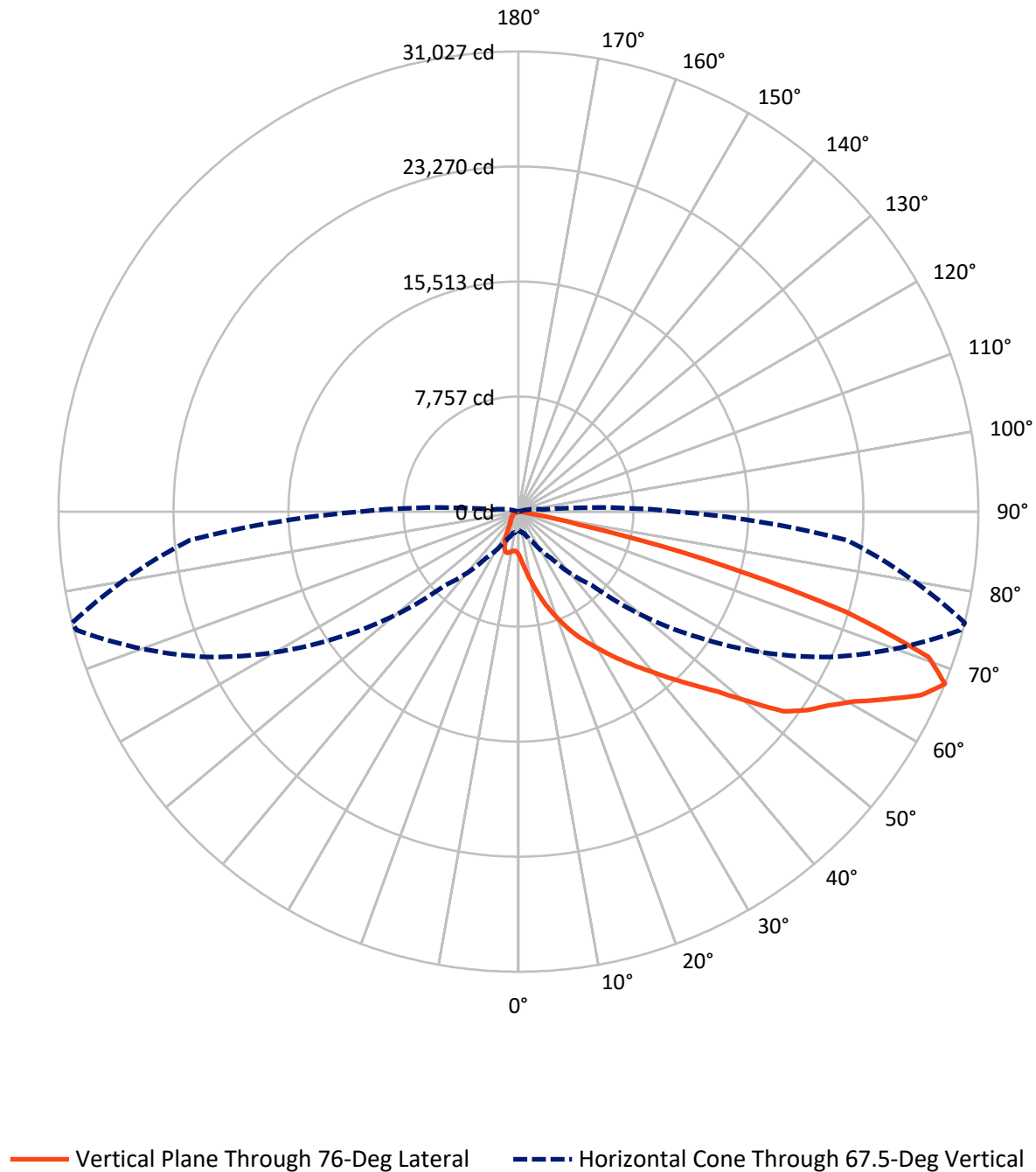
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.3 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1695.7	0.0	1695.7
	% Fixture	5.0	0.0	5.0
Street Side	Lumens	32451.4	0.0	32451.4
	% Fixture	95.0	0.0	95.0
Total	Lumens	34147.0	0.0	34147.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	360.2	1.1
10°-20°	1427.9	4.2
20°-30°	2905.2	8.5
30°-40°	5042.5	14.8
40°-50°	7124.5	20.9
50°-60°	8079.5	23.7
60°-70°	6701.2	19.6
70°-80°	2427.4	7.1
80°-90°	78.7	0.2
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°	34147.0	100.0
0°-180°	34147.0	100.0

Coefficient of Utilization



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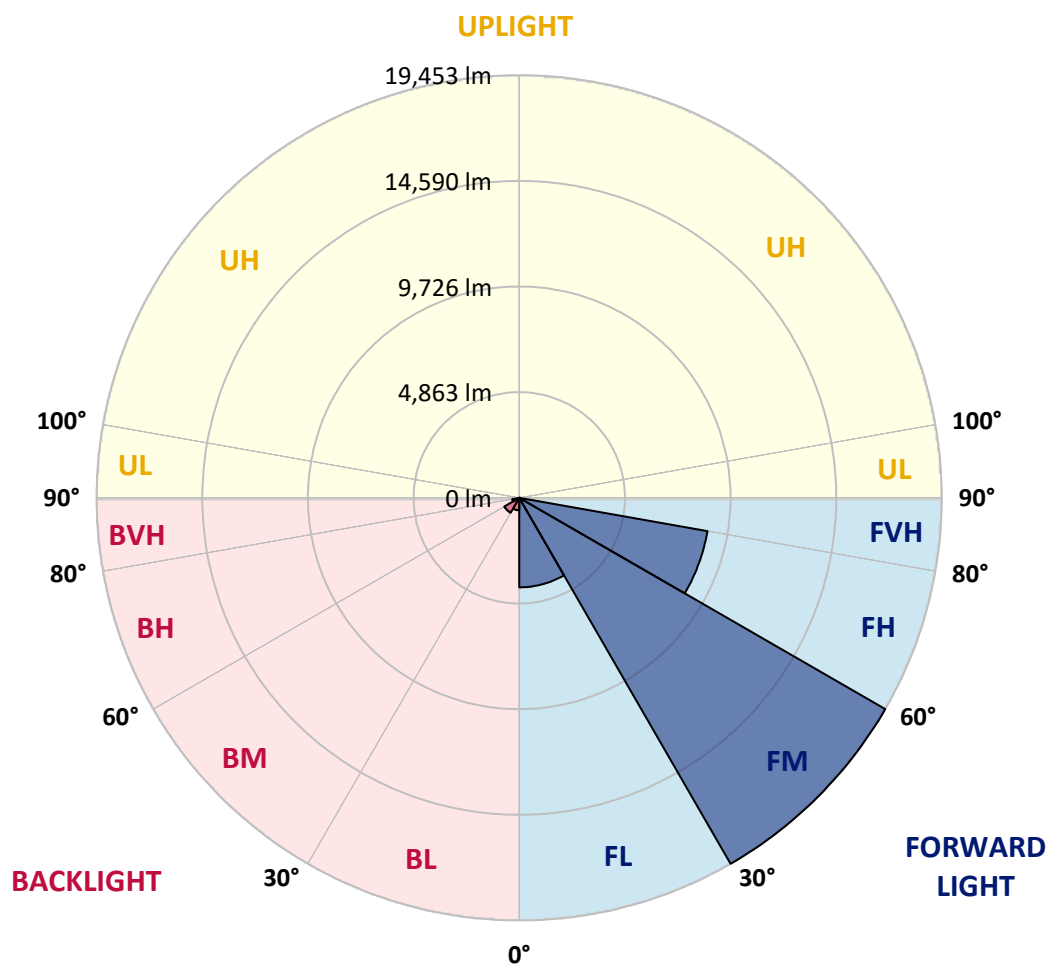
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4121.4	12.1			
FM	(30°-60°)	19452.9	57.0			
FH	(60°-80°)	8800.8	25.8			G4/12000
FVH	(80°-90°)	76.2	0.2			G1/100
BL	(0°-30°)	571.9	1.7	B2/1000		
BM	(30°-60°)	793.6	2.3	B1/1000		
BH	(60°-80°)	327.7	1.0	B1/500		G1/500
BVH	(80°-90°)	2.5	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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7
2.5°	4324.0	4226.8	4249.2	4186.4	4072.7	3839.3	3640.3	3451.7	3231.8	3224.3	3043.3
5°	5830.7	5748.4	5737.9	5610.8	5404.3	5007.8	4621.8	4181.9	3691.1	3655.2	3270.7
7.5°	7198.2	7132.4	7108.5	6957.4	6572.8	6186.8	5684.1	5037.7	4270.2	4204.3	3577.4
10°	8248.6	8217.2	8223.1	8115.4	7786.3	7427.2	6767.3	5942.9	4927.0	4825.3	3945.5
12.5°	9044.6	9052.0	9105.9	9040.1	8856.0	8589.7	7885.0	6908.0	5654.2	5515.0	4365.9
15°	9629.6	9667.0	9765.7	9848.0	9834.6	9604.1	8957.8	7888.0	6426.2	6272.1	4834.2
17.5°	10008.1	10050.0	10193.7	10376.2	10543.8	10489.9	9993.2	8833.6	7207.2	7029.2	5335.5
20°	10340.3	10389.7	10543.8	10784.7	11097.4	11164.7	10838.5	9750.8	7986.7	7769.8	5853.2
22.5°	11060.0	11058.5	11152.7	11293.4	11591.1	11764.7	11558.2	10602.1	8757.3	8531.4	6381.3
25°	12361.7	12312.3	12279.4	12168.6	12234.5	12342.2	12227.0	11398.1	9532.3	9303.4	6917.0
27.5°	13908.7	13938.7	13672.3	13374.6	13144.2	13033.4	12844.9	12135.7	10277.4	10026.1	7440.6
30°	15541.1	15550.1	15235.9	14855.8	14348.6	13928.2	13602.0	12840.4	11043.5	10769.7	7949.3
32.5°	17013.4	16955.0	16643.8	16126.1	15485.7	15012.9	14335.1	13627.4	11854.4	11589.6	8514.9
35°	18180.4	18111.6	17733.0	17261.7	16597.4	16121.6	15306.2	14413.0	12707.3	12448.4	9082.0
37.5°	19033.2	18952.4	18563.4	18078.7	17505.6	17228.8	16432.8	15267.3	13637.9	13359.6	9679.0
40°	19329.5	19259.2	19015.3	18660.7	18199.8	18137.0	17628.3	16250.3	14650.8	14354.6	10355.2
42.5°	19152.9	19084.1	18997.3	18877.6	18686.1	18746.0	18756.4	17371.0	15776.0	15484.2	11101.8
45°	18452.7	18391.4	18481.1	18656.2	18894.1	19190.3	19785.8	18575.4	17032.8	16721.6	11965.2
47.5°	17421.8	17376.9	17625.3	18062.2	18757.9	19574.9	20726.9	19841.2	18443.7	18155.0	13042.4
50°	15955.5	15948.1	16444.8	17242.3	18312.1	19760.4	21699.5	21280.5	20403.8	20100.0	14540.1
52.5°	13672.3	13687.3	14664.3	15940.6	17529.5	19634.7	22324.9	23129.8	22684.0	22368.3	15837.3
55°	11498.3	11588.1	12280.9	14121.2	16329.6	19167.9	22540.3	23993.2	23942.3	23643.0	16558.5
57.5°	9369.2	9532.3	10199.6	11918.8	14577.5	18092.1	22422.1	24367.2	24878.9	24650.0	17510.1
60°	7062.1	7136.9	7906.0	9512.9	12328.7	16129.1	21564.8	24570.7	26159.7	26001.1	18891.1
62.5°	4493.1	4680.1	5362.4	6912.5	9599.7	13403.0	20119.5	24567.7	27762.1	27848.9	20673.1
65°	2367.0	2585.4	2947.5	4283.6	6596.8	10358.2	17945.5	24337.3	29728.1	29849.3	22066.0
67.5°	1276.3	1339.1	1530.6	2223.4	3825.8	7017.2	14751.1	23200.2	30866.7	31026.8	22260.6
70°	933.6	968.0	1039.9	1229.9	1925.6	4075.7	10763.7	20622.2	29398.9	29339.1	19778.3
72.5°	716.7	770.5	824.4	900.7	1107.2	2175.5	6701.5	16148.6	23457.5	23062.5	14784.0
75°	565.6	574.5	650.8	719.7	830.4	1238.9	2976.0	9405.2	14317.2	13382.1	7666.6
77.5°	451.9	457.8	502.7	562.6	667.3	813.9	921.7	3700.1	4570.9	4078.7	1663.8
80°	267.8	282.8	374.1	433.9	553.6	513.2	336.6	803.5	713.7	646.4	279.8
82.5°	149.6	161.6	211.0	342.6	386.0	245.4	167.6	216.9	167.6	163.1	79.3
85°	0.0	7.5	136.2	212.5	157.1	53.9	70.3	71.8	49.4	46.4	31.4
87.5°	0.0	0.0	41.9	40.4	6.0	9.0	16.5	23.9	19.5	19.5	16.5
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°	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7	2896.7
2.5°	2953.5	2872.7	2720.1	2570.5	2444.8	2341.6	2248.8	2211.4	2181.5	2177.0	2153.0
5°	3085.2	2922.1	2630.3	2390.9	2230.8	2117.1	2019.9	1960.0	1913.6	1895.7	1879.2
7.5°	3284.2	3037.3	2618.4	2343.1	2151.5	1960.0	1780.5	1586.0	1464.8	1418.4	1391.5
10°	3526.6	3189.9	2663.2	2329.6	1994.4	1590.5	1292.7	1045.8	945.6	912.7	903.7
12.5°	3809.3	3379.9	2741.0	2245.8	1659.3	1129.6	891.7	808.0	785.5	775.0	775.0
15°	4134.0	3587.9	2796.4	2003.4	1226.9	854.3	772.0	733.1	709.2	695.7	697.2
17.5°	4466.2	3791.4	2769.5	1651.8	905.2	760.1	698.7	656.8	623.9	610.5	607.5
20°	4801.3	3979.9	2619.9	1229.9	766.1	689.8	620.9	574.5	541.6	528.2	525.2
22.5°	5148.4	4140.0	2356.5	902.2	688.3	611.9	544.6	498.2	466.8	454.8	448.9
25°	5486.6	4270.2	1988.5	730.1	614.9	538.6	474.3	430.9	402.5	390.5	389.0
27.5°	5802.3	4352.5	1562.0	644.9	550.6	472.8	414.4	375.5	351.6	342.6	341.1
30°	6086.6	4359.9	1155.1	582.0	493.7	415.9	362.1	327.7	306.7	297.7	294.8
32.5°	6373.8	4297.1	840.9	525.2	441.4	366.6	314.2	287.3	272.3	264.8	264.8
35°	6644.7	4152.0	655.3	475.8	390.5	318.7	276.8	257.3	248.4	240.9	240.9
37.5°	6909.5	3944.0	556.6	432.4	342.6	278.3	243.9	231.9	224.4	216.9	216.9
40°	7178.8	3682.2	505.7	392.0	303.7	246.9	216.9	206.5	199.0	193.0	191.5
42.5°	7509.5	3379.9	472.8	354.6	269.3	218.4	191.5	179.5	173.6	167.6	164.6
45°	7892.5	3119.6	445.9	317.2	240.9	194.5	166.1	154.1	145.1	137.7	136.2
47.5°	8444.6	2931.1	410.0	276.8	214.0	169.1	143.6	130.2	116.7	109.2	107.7
50°	9149.3	2775.5	363.6	240.9	187.0	143.6	119.7	103.2	91.3	83.8	83.8
52.5°	9499.4	2572.0	321.7	209.5	157.1	121.2	97.3	77.8	71.8	64.3	64.3
55°	9640.1	2416.4	279.8	178.0	130.2	100.2	76.3	59.8	55.4	50.9	49.4
57.5°	10035.1	2371.5	243.9	151.1	107.7	79.3	58.4	44.9	41.9	35.9	35.9
60°	10670.9	2393.9	211.0	128.7	86.8	61.3	43.4	34.4	31.4	25.4	25.4
62.5°	11357.7	2365.5	178.0	110.7	67.3	44.9	29.9	25.4	25.4	15.0	13.5
65°	11489.4	2106.7	152.6	91.3	52.4	32.9	19.5	16.5	22.4	3.0	0.0
67.5°	10663.5	1633.9	131.7	70.3	38.9	25.4	15.0	7.5	19.5	0.0	0.0
70°	8526.9	1038.4	106.2	50.9	29.9	20.9	12.0	3.0	15.0	0.0	0.0
72.5°	6029.7	603.0	83.8	35.9	25.4	16.5	9.0	0.0	9.0	0.0	0.0
75°	3049.3	321.7	52.4	26.9	19.5	12.0	6.0	0.0	1.5	0.0	0.0
77.5°	659.8	149.6	32.9	19.5	13.5	7.5	3.0	0.0	0.0	0.0	0.0
80°	143.6	65.8	20.9	12.0	7.5	4.5	0.0	0.0	0.0	0.0	0.0
82.5°	52.4	34.4	10.5	6.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	28.4	18.0	6.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.0	6.0	1.5	1.5	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)