

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: P323250

Luminaire Tested: **GAN-SA6C-750-U-SL2-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323250  
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-750-U-SL2-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5000K, 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: 35039 lumens  
Efficiency: N/A  
Efficacy: 105.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

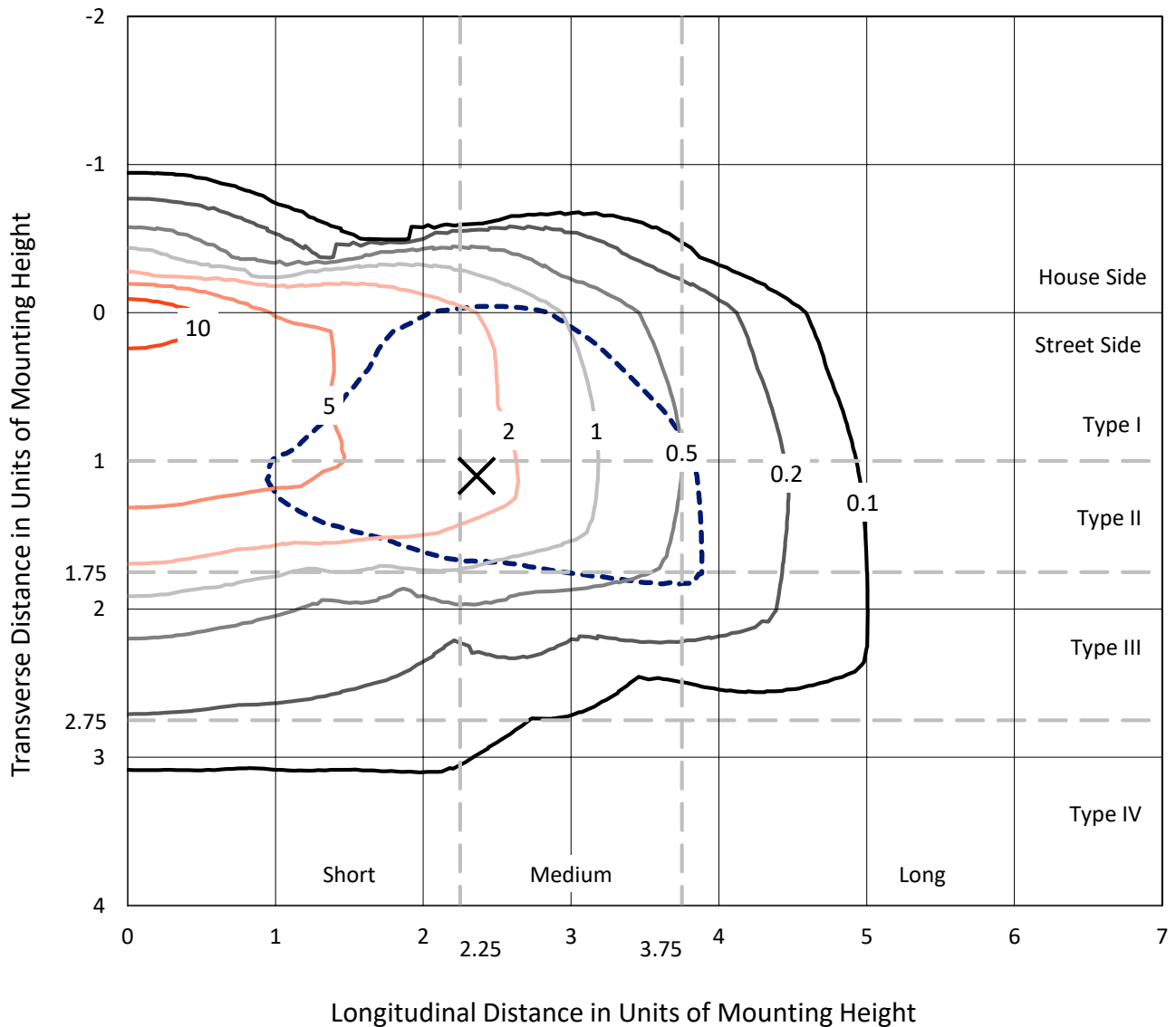
Input Watts (W): 333  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

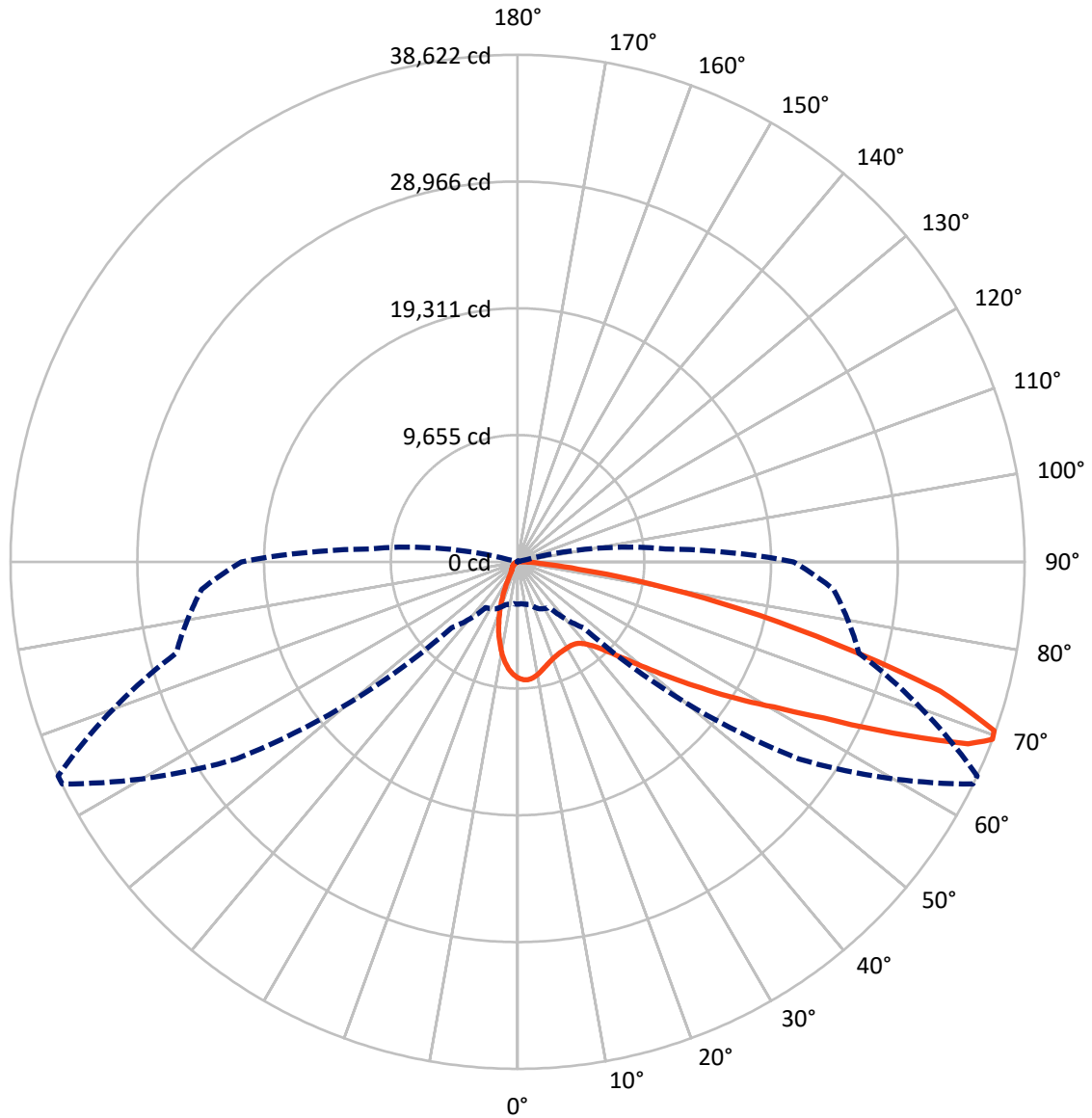
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4130.3	0.0	4130.3
	% Fixture	11.8	0.0	11.8
<b>Street Side</b>	Lumens	30908.7	0.0	30908.7
	% Fixture	88.2	0.0	88.2
<b>Total</b>	Lumens	35039.0	0.0	35039.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	740.4	2.1
10°-20°	1620.8	4.6
20°-30°	2244.9	6.4
30°-40°	3130.1	8.9
40°-50°	4865.1	13.9
50°-60°	7810.4	22.3
60°-70°	8834.9	25.2
70°-80°	5188.8	14.8
80°-90°	603.6	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°	35039.0	100.0
0°-180°	35039.0	100.0

**Coefficient of Utilization**

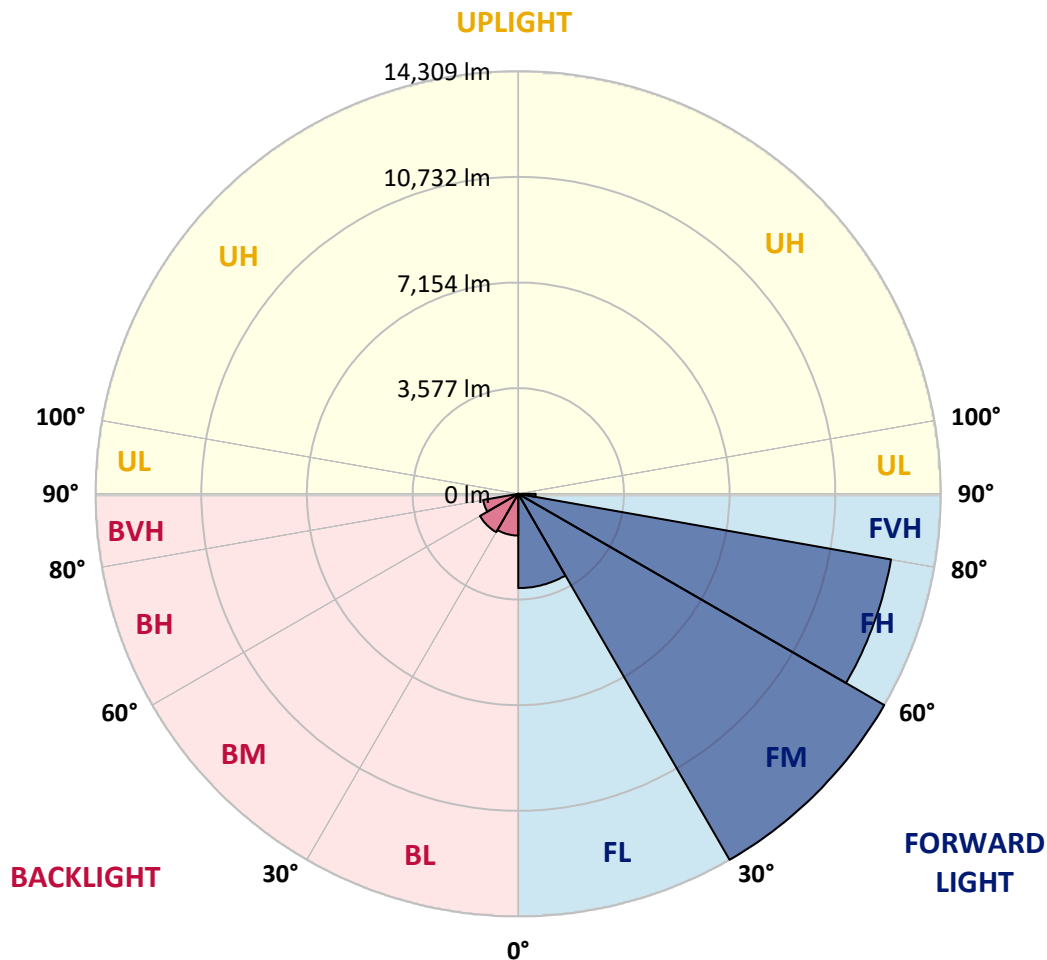


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3192.9	9.1			
FM (30°-60°)	14308.9	40.8			
FH (60°-80°)	12816.9	36.6			G5
FVH (80°-90°)	590.0	1.7			G4/750
BL (0°-30°)	1413.2	4.0	B3/2500		
BM (30°-60°)	1496.7	4.3	B2/2500		
BH (60°-80°)	1206.8	3.4	B3/2500		G3/2500
BVH (80°-90°)	13.6	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-G5**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	8854.4	8854.4	8854.4	8854.4	8854.4	8854.4	8854.4	8854.4	8854.4	8854.4	8854.4
2.5°	8933.0	8910.8	8928.5	8967.1	8986.4	8986.4	9001.2	8983.4	8989.3	8946.3	8884.1
5°	8374.0	8339.9	8388.9	8497.1	8630.5	8744.7	8913.7	9002.7	9011.6	9013.1	8940.4
7.5°	7772.1	7740.9	7813.6	7941.1	8113.1	8325.1	8620.2	8878.1	8893.0	9032.3	8979.0
10°	7282.8	7260.6	7345.1	7481.5	7683.1	7920.3	8282.1	8640.9	8683.9	8992.3	8973.0
12.5°	6894.3	6876.6	6956.6	7113.8	7319.9	7582.3	7960.4	8377.0	8434.8	8901.9	8943.4
15°	6611.2	6608.2	6674.9	6826.1	7054.5	7299.1	7686.1	8132.4	8199.1	8804.0	8938.9
17.5°	6462.9	6467.3	6516.3	6645.3	6841.0	7084.1	7454.8	7926.3	7998.9	8716.5	8961.2
20°	6448.1	6452.5	6479.2	6551.9	6710.5	6925.5	7266.5	7752.8	7828.4	8651.3	8996.8
22.5°	6578.5	6575.6	6583.0	6575.6	6664.5	6827.6	7141.9	7619.4	7706.8	8608.3	9024.9
25°	6829.1	6824.7	6821.7	6766.8	6707.5	6795.0	7090.1	7543.7	7626.8	8577.2	9041.2
27.5°	7177.5	7174.6	7170.1	7079.7	6901.8	6846.9	7096.0	7515.6	7585.3	8552.0	9038.3
30°	7635.7	7656.4	7650.5	7524.5	7247.2	7005.5	7158.3	7500.8	7561.5	8503.0	9007.1
32.5°	8173.9	8215.4	8248.0	8113.1	7766.1	7319.9	7302.1	7517.1	7561.5	8466.0	8950.8
35°	8732.8	8786.2	8906.3	8858.9	8402.2	7792.8	7549.7	7614.9	7652.0	8486.7	8924.1
37.5°	9282.9	9346.7	9607.6	9745.5	9235.5	8418.5	7935.2	7856.6	7875.9	8612.7	8953.8
40°	9921.9	10018.3	10414.2	10636.6	10230.3	9256.2	8511.9	8271.7	8279.1	8890.0	9091.6
42.5°	10761.1	10860.4	11288.9	11637.4	11351.2	10314.8	9294.8	8906.3	8898.9	9408.9	9416.3
45°	11784.1	11887.9	12331.2	12718.2	12589.2	11569.2	10297.0	9833.0	9824.1	10227.4	10031.6
47.5°	12943.6	13045.9	13441.8	13840.6	13980.0	13034.0	11573.6	11097.7	11076.9	11364.6	10982.0
50°	13938.4	14005.2	14369.9	14906.6	15535.3	14834.0	13161.5	12703.4	12681.1	12875.4	12377.2
52.5°	14300.2	14338.8	14709.4	15461.1	17029.8	17271.5	15247.6	14657.5	14641.2	14725.7	14235.0
55°	13567.8	13637.5	14092.6	15207.6	17839.3	20026.2	17880.8	17077.2	16954.2	16771.8	16177.3
57.5°	11572.1	11683.3	12172.6	13655.3	17461.2	22211.7	21750.6	19814.2	19633.3	18518.4	17756.3
60°	8670.6	8807.0	9213.2	10813.0	15443.3	22990.1	25979.1	22864.0	22456.3	19909.1	19207.8
62.5°	5949.9	6018.1	6293.9	7336.2	11373.4	21715.0	29516.7	26948.7	26204.4	21421.4	20777.9
65°	4544.3	4568.1	4680.7	5039.5	6772.8	17639.1	30923.7	32338.2	31438.2	23230.2	22407.4
67.5°	3662.2	3642.9	3798.6	4311.6	4535.4	10761.1	29282.4	37437.0	37016.0	25648.5	24047.2
69°	3229.2	3202.5	3361.2	3957.2	4259.7	7113.8	26177.8	38595.0	38621.7	26925.0	24159.9
70°	2906.0	2923.8	3081.0	3746.7	4166.3	5583.7	23212.4	38299.9	38510.5	27402.4	23483.8
72.5°	1940.8	1988.2	2304.0	3110.6	4006.1	4225.6	14015.5	32866.0	33675.5	26327.5	20147.8
75°	1094.2	1129.8	1504.9	2345.6	3774.8	4023.9	7402.9	24213.2	24996.1	22015.9	15536.7
77.5°	536.7	556.0	851.0	1513.8	3156.6	3834.1	4198.9	16447.1	17341.1	14369.9	8787.7
80°	226.8	237.2	425.5	934.1	2256.6	3659.2	3118.0	10122.1	10233.3	5629.6	2341.1
82.5°	87.5	90.4	179.4	582.7	1433.7	2852.6	2608.0	4799.4	4683.7	1060.1	533.8
85°	10.4	11.9	65.2	349.9	797.7	1467.8	2118.7	2068.3	1914.1	210.5	274.3
87.5°	0.0	0.0	4.4	106.8	237.2	688.0	1101.6	858.5	773.9	68.2	142.3
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°	8854.4	8854.4	8854.4	8854.4	8854.4	8854.4	8854.4	8854.4	8854.4	8854.4	8854.4
2.5°	8832.2	8817.4	8737.3	8621.6	8511.9	8375.5	8245.0	8166.5	8104.2	8062.7	8111.6
5°	8855.9	8790.7	8547.5	8236.1	7930.7	7586.7	7266.5	6995.2	6888.4	6769.8	6823.2
7.5°	8848.5	8725.4	8288.0	7733.5	7173.1	6593.4	6044.8	5622.2	5402.8	5187.8	5242.7
10°	8811.4	8603.8	7941.1	7119.7	6280.5	5447.3	4668.9	4077.3	3746.7	3447.2	3490.2
12.5°	8729.9	8440.8	7531.9	6416.9	5294.6	4195.9	3284.1	2526.4	2120.2	1940.8	1963.0
15°	8680.9	8282.1	7099.0	5705.3	4241.9	2922.3	2007.5	1493.0	1307.7	1248.4	1255.8
17.5°	8657.2	8129.4	6651.2	4891.3	3165.5	1860.7	1297.3	1144.6	1104.6	1094.2	1097.2
20°	8633.5	7975.2	6190.1	4086.2	2181.0	1251.4	1066.0	1021.5	1006.7	993.4	996.3
22.5°	8593.5	7826.9	5694.9	3270.7	1470.8	1015.6	960.8	917.8	886.6	870.3	873.3
25°	8544.5	7671.3	5189.3	2436.0	1073.4	905.9	854.0	793.2	756.2	726.5	728.0
27.5°	8466.0	7480.0	4667.4	1773.3	901.5	811.0	741.3	674.6	612.3	578.2	578.2
30°	8356.2	7263.5	4087.7	1269.2	808.0	717.6	633.1	550.1	483.3	452.2	449.2
32.5°	8234.7	7038.2	3502.0	962.2	733.9	630.1	533.8	446.3	387.0	361.8	360.3
35°	8130.9	6795.0	2917.9	806.6	659.8	545.6	440.3	366.2	318.8	298.0	296.5
37.5°	8064.2	6551.9	2348.5	720.6	593.1	467.0	369.2	302.5	268.4	252.1	250.6
40°	8053.8	6371.0	1828.1	655.3	530.8	397.4	308.4	256.5	225.4	207.6	206.1
42.5°	8188.7	6267.2	1402.6	600.5	467.0	336.6	262.4	219.4	186.8	169.0	167.5
45°	8543.1	6299.8	1079.4	551.5	403.3	284.7	222.4	182.4	152.7	139.4	136.4
47.5°	9189.5	6525.2	858.5	502.6	342.5	241.7	189.8	151.2	126.0	112.7	111.2
50°	10340.0	7054.5	717.6	449.2	286.2	206.1	157.2	123.1	102.3	90.4	89.0
52.5°	11867.2	7997.4	640.5	397.4	237.2	175.0	129.0	97.9	80.1	71.2	69.7
55°	13551.5	9139.1	590.1	341.0	194.2	145.3	102.3	77.1	62.3	54.9	51.9
57.5°	15195.7	10128.0	542.7	286.2	161.6	118.6	81.5	60.8	48.9	41.5	40.0
60°	16706.6	11036.9	487.8	229.8	132.0	93.4	63.8	47.4	38.5	31.1	31.1
62.5°	18324.1	11739.7	412.2	179.4	108.2	71.2	51.9	43.0	31.1	26.7	25.2
65°	20038.1	12261.6	323.2	139.4	84.5	53.4	43.0	44.5	25.2	19.3	17.8
67.5°	21304.3	12157.8	238.7	109.7	65.2	41.5	41.5	47.4	22.2	14.8	13.3
69°	21025.5	11314.1	200.2	94.9	56.3	35.6	38.5	47.4	20.8	13.3	11.9
70°	20217.5	10380.1	176.4	84.5	50.4	32.6	37.1	46.0	19.3	13.3	11.9
72.5°	16837.0	7818.0	137.9	63.8	40.0	26.7	31.1	40.0	19.3	13.3	10.4
75°	12664.8	5004.0	105.3	46.0	29.7	20.8	23.7	29.7	19.3	11.9	10.4
77.5°	6891.4	1804.4	75.6	31.1	20.8	16.3	16.3	22.2	17.8	8.9	5.9
80°	1771.8	453.7	47.4	20.8	16.3	11.9	10.4	14.8	10.4	1.5	0.0
82.5°	437.4	102.3	25.2	14.8	11.9	4.4	4.4	7.4	4.4	0.0	0.0
85°	240.2	50.4	16.3	10.4	5.9	0.0	0.0	1.5	0.0	0.0	0.0
87.5°	123.1	14.8	4.4	3.0	1.5	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)