

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: P323544

Luminaire Tested: **GAN-SA0D-740-U-SL3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323544  
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-SA0D-740-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 4000K, 1200mA 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: 65610 lumens  
Efficiency: N/A  
Efficacy: 102.5 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

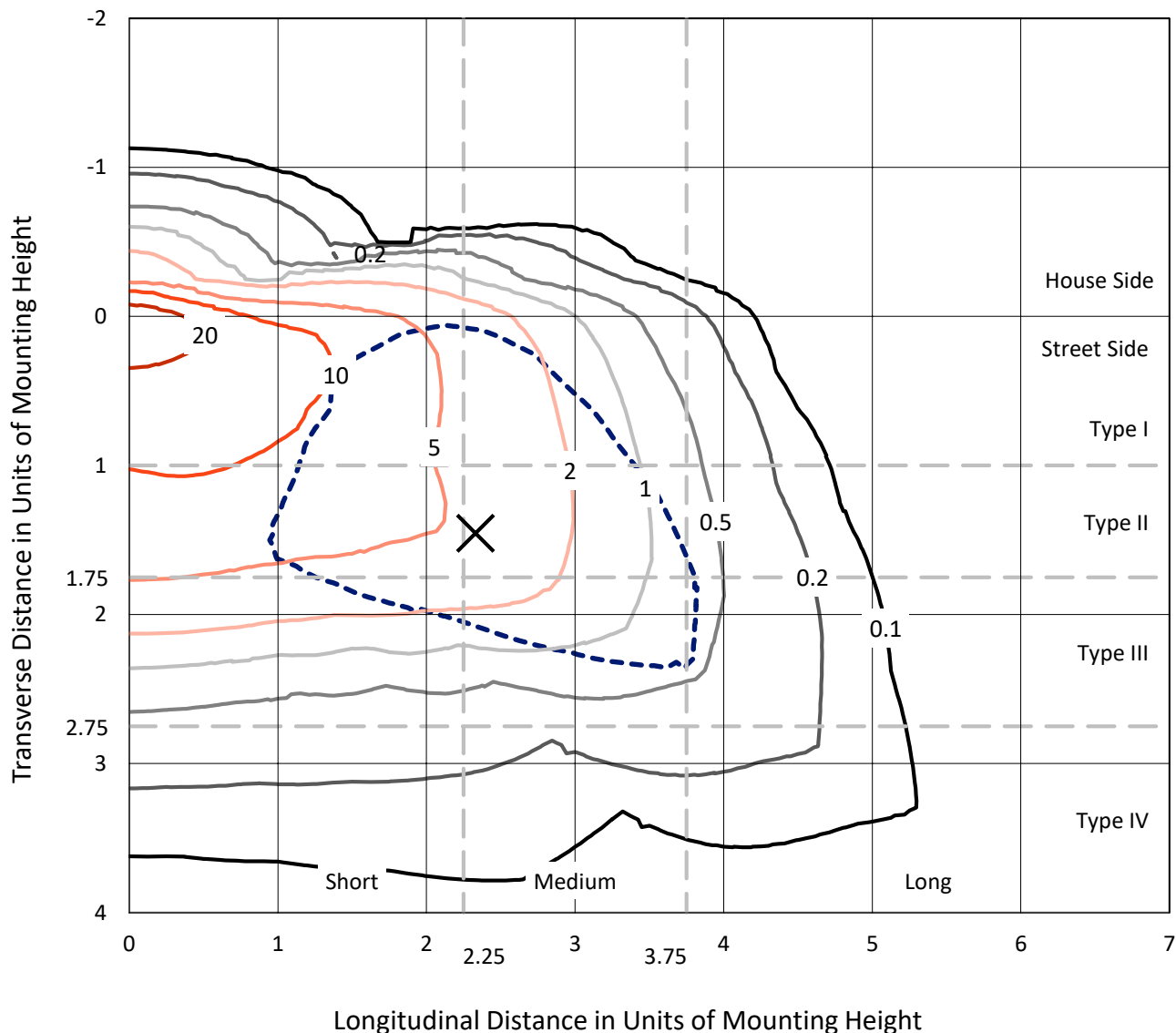
Input Watts (W): 640  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

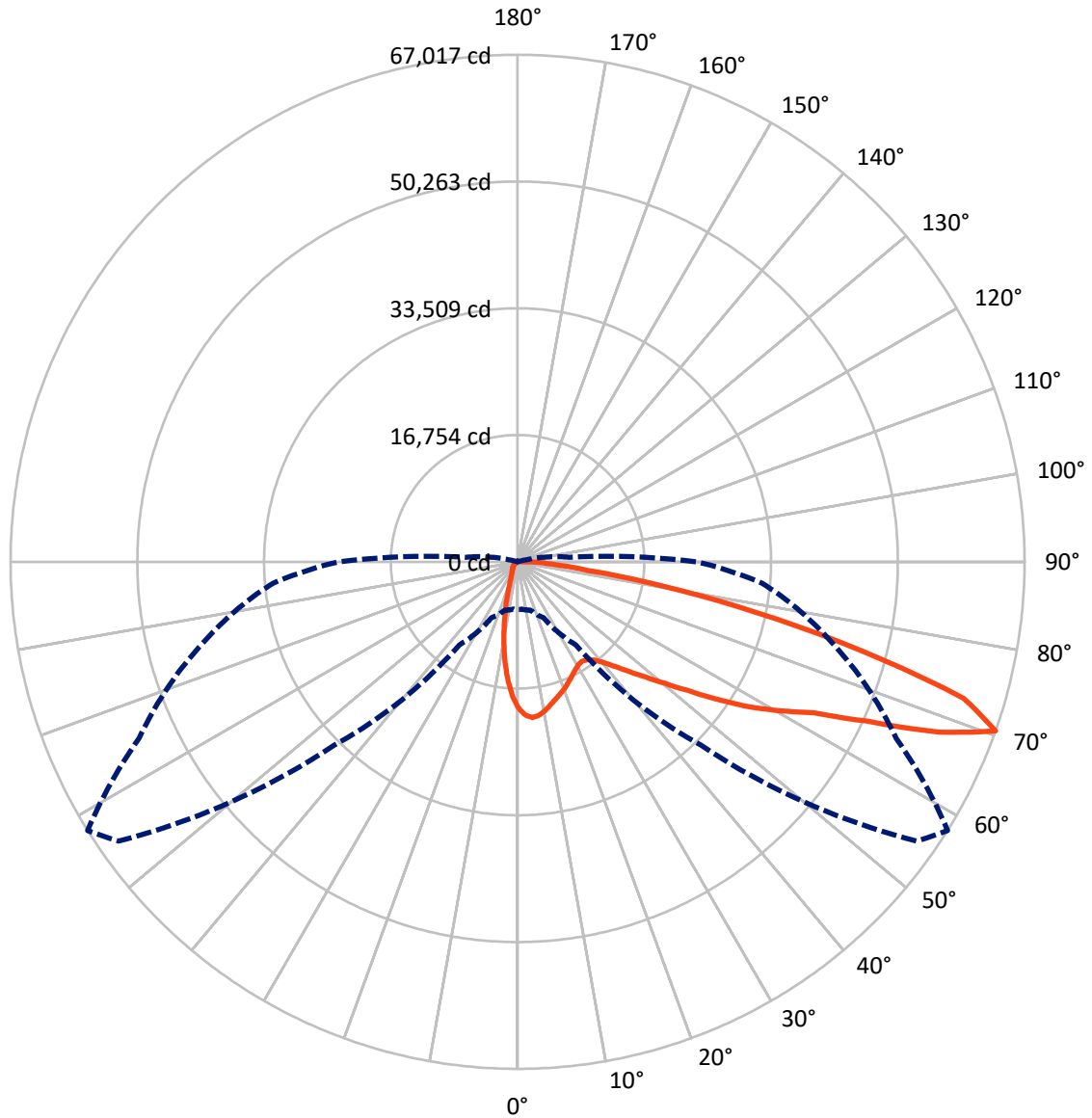
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 31.5 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5614.8	0.0	5614.8
	% Fixture	8.6	0.0	8.6
<b>Street Side</b>	Lumens	59995.2	0.0	59995.2
	% Fixture	91.4	0.0	91.4
<b>Total</b>	Lumens	65610.0	0.0	65610.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1584.9	2.4
10°-20°	3326.3	5.1
20°-30°	4372.9	6.7
30°-40°	5791.4	8.8
40°-50°	8656.3	13.2
50°-60°	13867.1	21.1
60°-70°	17479.3	26.6
70°-80°	9428.3	14.4
80°-90°	1103.6	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°	65610.0	100.0
0°-180°	65610.0	100.0

**Coefficient of Utilization**

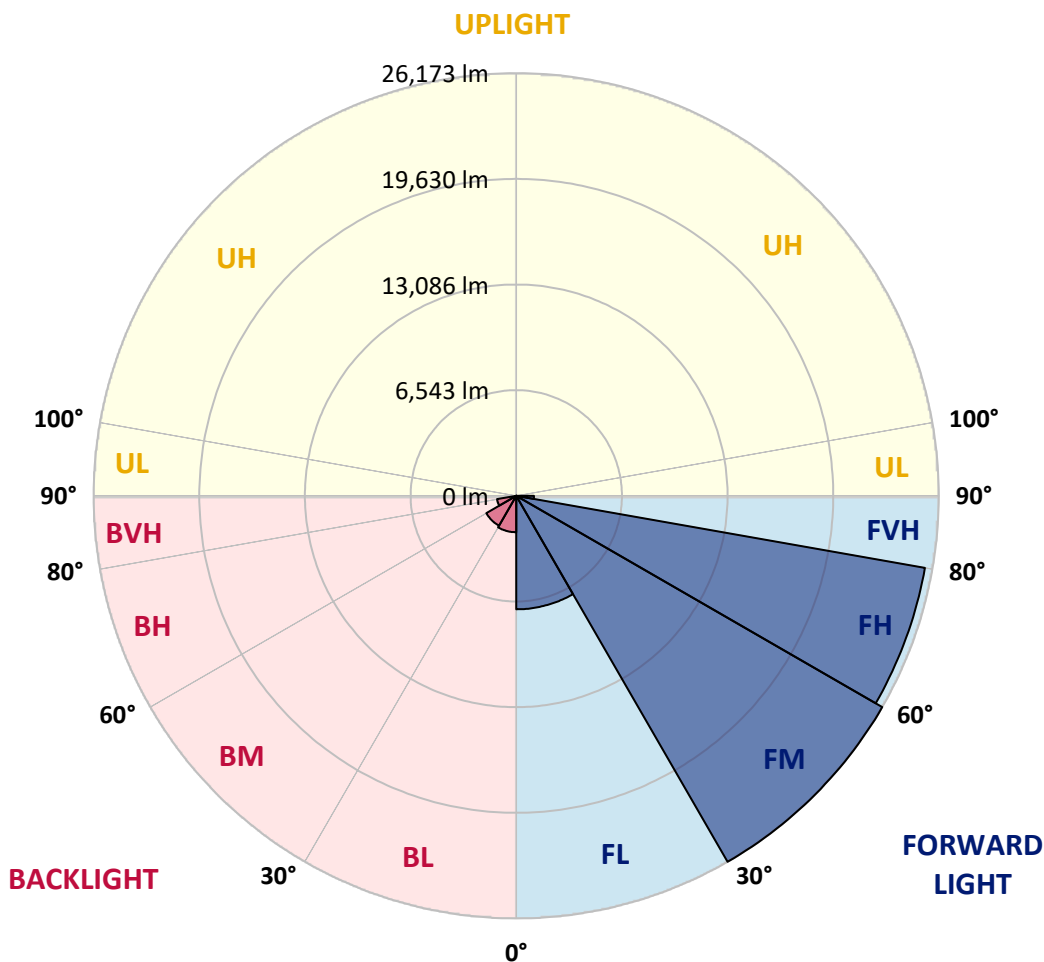


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	7028.2	10.7			
FM (30°-60°)	26172.8	39.9			
FH (60°-80°)	25700.1	39.2			G5
FVH (80°-90°)	1094.1	1.7			G5
BL (0°-30°)	2255.8	3.4	B3/2500		
BM (30°-60°)	2142.0	3.3	B2/2500		
BH (60°-80°)	1207.5	1.8	B3/2500		G3/2500
BVH (80°-90°)	9.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	19380.9	19380.9	19380.9	19380.9	19380.9	19380.9	19380.9	19380.9	19380.9	19380.9	19380.9
2.5°	20987.8	20935.9	20916.8	20884.1	20758.6	20635.8	20393.0	20324.8	20172.1	19809.2	19424.5
5°	21004.1	21001.4	21058.7	21045.1	21001.4	20944.1	20769.5	20679.5	20420.3	19902.0	19198.1
7.5°	19992.0	20043.8	20172.1	20275.7	20395.8	20551.3	20573.1	20485.8	20273.0	19713.7	18780.7
10°	18633.4	18715.2	18895.3	19099.9	19413.6	19724.6	20002.9	19992.0	19918.3	19367.2	18278.7
12.5°	17272.0	17367.5	17574.8	17877.7	18322.4	18829.8	19326.3	19394.5	19517.3	19056.2	17814.9
15°	16079.8	16161.6	16366.3	16737.3	17288.4	17970.4	18698.8	18824.3	19140.8	18813.4	17427.5
17.5°	15067.7	15119.5	15269.5	15681.5	16319.9	17146.5	18093.2	18338.7	18810.7	18622.5	17092.0
20°	14361.1	14369.2	14467.5	14756.6	15395.0	16319.9	17465.7	17817.6	18461.5	18458.8	16745.5
22.5°	14011.9	13984.6	14003.7	14170.1	14639.3	15531.4	16838.2	17255.6	18147.8	18319.6	16393.5
25°	13946.4	13924.6	13870.0	13891.8	14175.5	14841.2	16205.3	16688.2	17872.2	18235.1	16088.0
27.5°	14151.0	14172.8	14080.1	13981.8	14003.7	14393.8	15643.3	16202.6	17648.5	18235.1	15872.5
30°	14562.9	14573.9	14505.7	14377.4	14205.6	14268.3	15253.2	15812.4	17536.6	18360.5	15736.1
32.5°	15018.5	15078.6	15070.4	14966.7	14721.2	14467.5	15160.4	15670.6	17528.5	18638.8	15722.4
35°	15583.3	15651.5	15766.1	15744.2	15487.8	15070.4	15476.9	15877.9	17689.4	19097.2	15869.7
37.5°	16183.5	16287.1	16532.7	16650.0	16483.6	16011.6	16186.2	16472.7	18120.5	19839.2	16243.5
40°	16764.6	16881.9	17329.3	17790.4	17664.9	17179.3	17261.1	17490.3	18887.1	20905.9	16952.8
42.5°	17334.8	17509.4	18166.9	18925.3	19075.3	18687.9	18731.6	18914.4	20024.7	22373.7	18112.3
45°	18016.8	18213.2	19187.2	20122.9	20524.0	20354.8	20540.4	20660.4	21511.6	24313.4	19675.5
47.5°	19018.0	19244.5	20439.4	21506.1	22210.0	22319.1	22692.9	22772.0	23391.3	26572.3	21713.5
50°	20971.4	21034.2	22114.5	23083.0	24097.9	24752.6	25178.2	25238.3	25666.6	29041.3	24258.8
52.5°	23429.5	23470.4	24081.5	24730.8	25884.8	27221.6	28217.4	28302.0	28392.0	31447.6	26771.5
55°	25871.2	25865.7	26269.5	26651.4	27971.9	29914.3	32075.0	32126.9	31480.3	33731.0	28692.1
57.5°	27396.2	27543.6	28157.4	28648.5	30492.7	32983.5	35981.8	36172.7	34724.1	35422.5	30590.9
60°	26910.6	26981.6	28342.9	30159.9	33632.8	37345.8	39934.9	39984.0	37163.1	37111.2	32991.7
62.5°	22927.5	22965.7	25104.6	28850.3	35223.3	43004.1	44703.7	43904.4	39967.6	39454.7	35864.5
65°	15714.2	15962.5	17749.4	22379.1	32301.5	46553.4	52086.1	50763.0	44242.7	42832.2	38461.7
67.5°	9253.9	9202.1	10086.0	13496.2	23724.1	44196.3	61424.6	60109.7	50072.7	45093.8	37700.5
70°	6321.2	6285.7	6624.0	8170.9	13392.6	34284.8	64362.9	67017.4	55220.8	43571.5	32446.1
72.5°	4512.4	4531.5	5030.7	6348.4	8408.2	19975.6	55349.0	61632.0	53608.4	37984.2	24662.6
75°	3063.7	3115.6	3830.3	5208.1	7371.5	10162.4	39277.4	46850.8	43653.4	27606.3	14175.5
77.5°	1647.8	1705.1	2548.1	4195.9	6664.9	7060.5	25265.5	32244.2	27420.8	12410.4	4108.6
80°	687.5	720.2	1192.2	3050.1	5759.2	6201.1	14865.8	19552.8	11684.7	2447.2	916.7
82.5°	297.4	313.7	496.5	1819.7	4305.0	5235.3	7870.8	9406.7	3541.2	537.4	461.1
85°	57.3	60.0	204.6	963.0	2747.3	2954.6	5101.7	5000.7	1590.5	231.9	335.6
87.5°	0.0	0.0	49.1	302.8	807.5	1609.6	3112.8	3074.6	540.2	111.9	125.5
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°	19380.9	19380.9	19380.9	19380.9	19380.9	19380.9	19380.9	19380.9	19380.9	19380.9	19380.9
2.5°	19228.1	19039.9	18644.3	18155.9	17782.2	17370.2	17042.8	16628.2	16448.1	16456.3	16358.1
5°	18797.1	18409.7	17533.9	16429.0	15577.8	14699.4	13943.7	13190.7	12746.0	12601.4	12465.0
7.5°	18180.5	17566.7	16169.8	14467.5	13027.0	11619.3	10394.3	9316.7	8634.6	8301.8	8179.0
10°	17484.8	16622.7	14601.1	12358.6	10301.6	8397.3	6809.5	5429.0	4878.0	4504.2	4408.7
12.5°	16873.7	15706.0	13067.9	10195.2	7753.4	5456.3	3942.2	3082.8	2709.1	2561.7	2537.2
15°	16298.1	14849.4	11592.0	8236.3	5369.0	3358.4	2507.2	2215.3	2128.0	2103.4	2103.4
17.5°	15755.2	14033.7	10148.8	6307.5	3552.1	2354.4	2076.1	2010.7	1983.4	1980.6	1983.4
20°	15187.7	13218.0	8730.1	4621.5	2479.9	1994.3	1917.9	1882.4	1874.2	1874.2	1874.2
22.5°	14644.8	12402.2	7349.7	3301.1	1988.8	1819.7	1781.5	1756.9	1748.8	1746.0	1740.6
25°	14123.7	11627.4	6002.0	2332.6	1746.0	1666.9	1634.2	1601.4	1576.9	1563.2	1555.1
27.5°	13695.4	10937.2	4747.0	1871.5	1576.9	1508.7	1467.8	1418.6	1358.6	1331.3	1320.4
30°	13354.4	10307.0	3658.5	1579.6	1418.6	1350.4	1287.7	1203.1	1115.8	1069.4	1066.7
32.5°	13087.0	9687.7	2777.3	1396.8	1276.8	1192.2	1102.2	995.8	894.8	843.0	840.3
35°	12956.1	9142.1	2122.5	1263.1	1151.3	1044.9	933.0	815.7	717.5	668.4	662.9
37.5°	13043.4	8681.0	1656.0	1151.3	1044.9	922.1	791.2	668.4	581.1	537.4	534.7
40°	13362.6	8386.4	1345.0	1055.8	954.9	804.8	662.9	548.4	474.7	439.2	436.5
42.5°	14041.9	8277.3	1148.6	976.7	867.6	695.7	551.1	452.9	384.7	360.1	354.7
45°	15176.8	8438.2	1014.9	900.3	777.5	592.0	455.6	371.0	311.0	291.9	289.2
47.5°	16688.2	8861.1	919.4	826.6	695.7	499.3	379.2	300.1	253.7	234.6	231.9
50°	18636.1	9532.2	840.3	753.0	619.3	422.9	313.7	237.4	196.4	182.8	182.8
52.5°	20755.9	10331.6	769.3	684.8	542.9	351.9	253.7	182.8	155.5	139.1	139.1
55°	22507.4	11030.0	693.0	632.9	450.1	291.9	193.7	139.1	114.6	106.4	106.4
57.5°	24256.1	11774.8	605.7	542.9	360.1	237.4	147.3	103.7	84.6	79.1	79.1
60°	26523.2	12686.0	521.1	442.0	283.7	180.1	109.1	73.7	62.7	60.0	60.0
62.5°	29016.8	13220.7	444.7	354.7	221.0	133.7	79.1	49.1	46.4	46.4	43.7
65°	30541.8	12465.0	373.8	283.7	171.9	100.9	51.8	35.5	40.9	38.2	32.7
67.5°	28596.6	9758.6	305.6	221.0	133.7	76.4	32.7	24.6	43.7	35.5	27.3
70°	23677.7	6831.3	237.4	155.5	106.4	65.5	21.8	16.4	46.4	35.5	21.8
72.5°	17719.4	4572.4	188.2	103.7	79.1	57.3	19.1	8.2	40.9	30.0	19.1
75°	9682.3	1841.5	150.0	65.5	49.1	40.9	13.6	5.5	27.3	21.8	13.6
77.5°	2548.1	485.6	109.1	43.7	27.3	16.4	8.2	2.7	13.6	10.9	5.5
80°	649.3	188.2	70.9	30.0	19.1	8.2	0.0	0.0	2.7	0.0	0.0
82.5°	346.5	79.1	43.7	21.8	10.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	261.9	51.8	24.6	13.6	2.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	100.9	16.4	8.2	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)