

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: P323691

Luminaire Tested: **GAN-SA7C-830-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323691
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-SA7C-830-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 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: 33965 lumens
Efficiency: N/A
Efficacy: 86.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

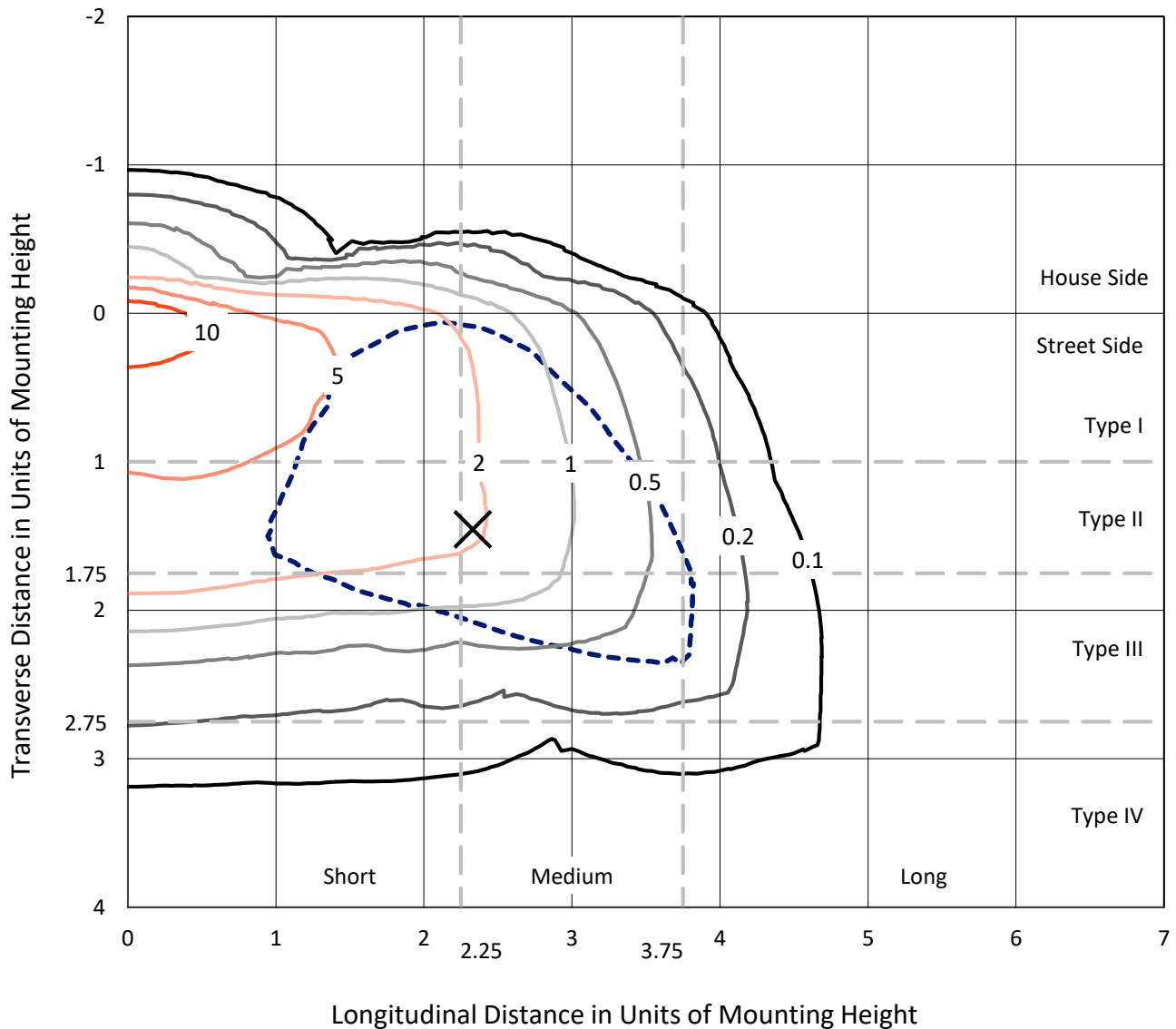
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

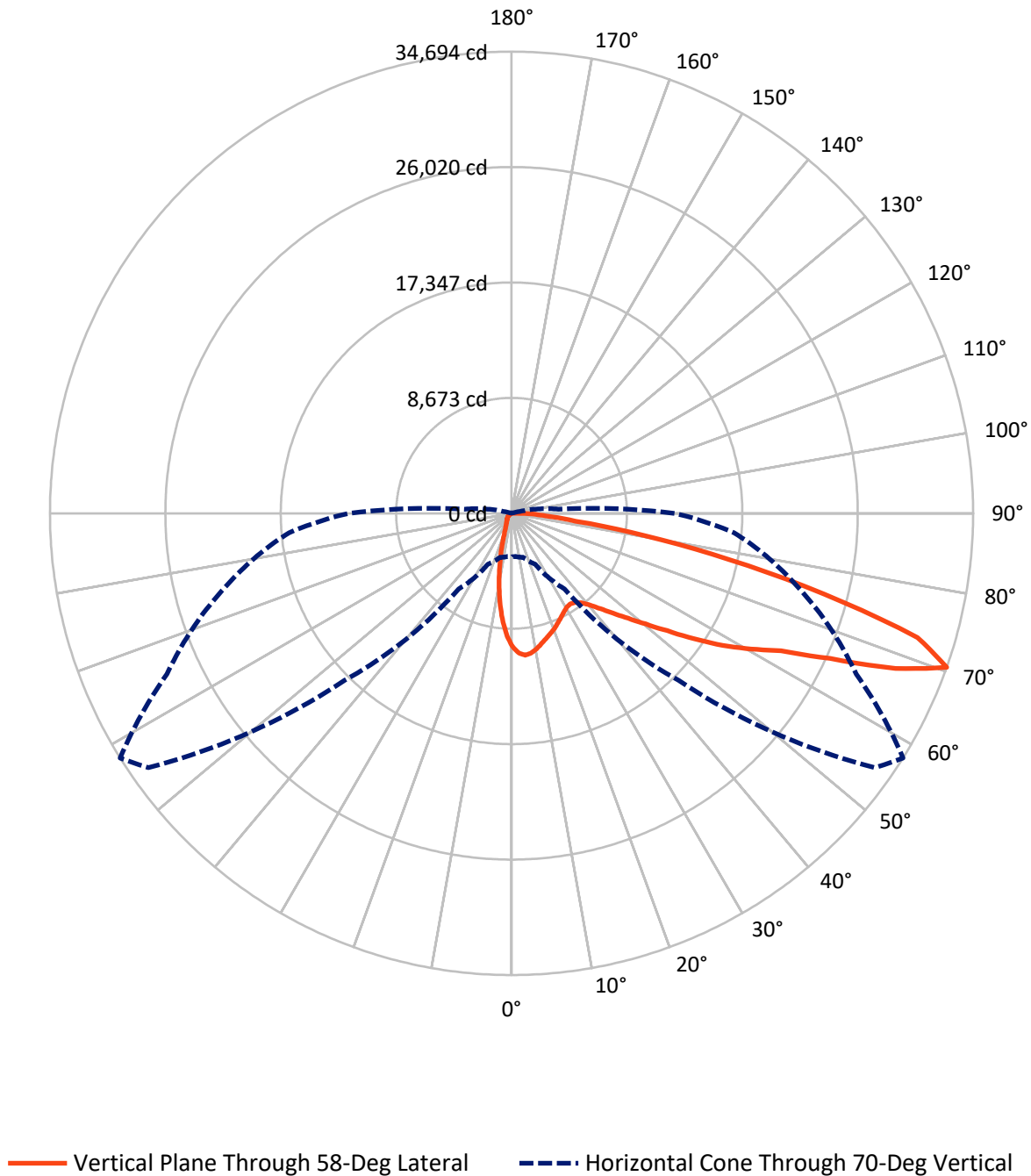
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2906.7	0.0	2906.7
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	31058.3	0.0	31058.3
	% Fixture	91.4	0.0	91.4
Total	Lumens	33965.0	0.0	33965.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	820.4	2.4
10°-20°	1721.9	5.1
20°-30°	2263.7	6.7
30°-40°	2998.1	8.8
40°-50°	4481.2	13.2
50°-60°	7178.7	21.1
60°-70°	9048.7	26.6
70°-80°	4880.8	14.4
80°-90°	571.3	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°	33965.0	100.0
0°-180°	33965.0	100.0

Coefficient of Utilization



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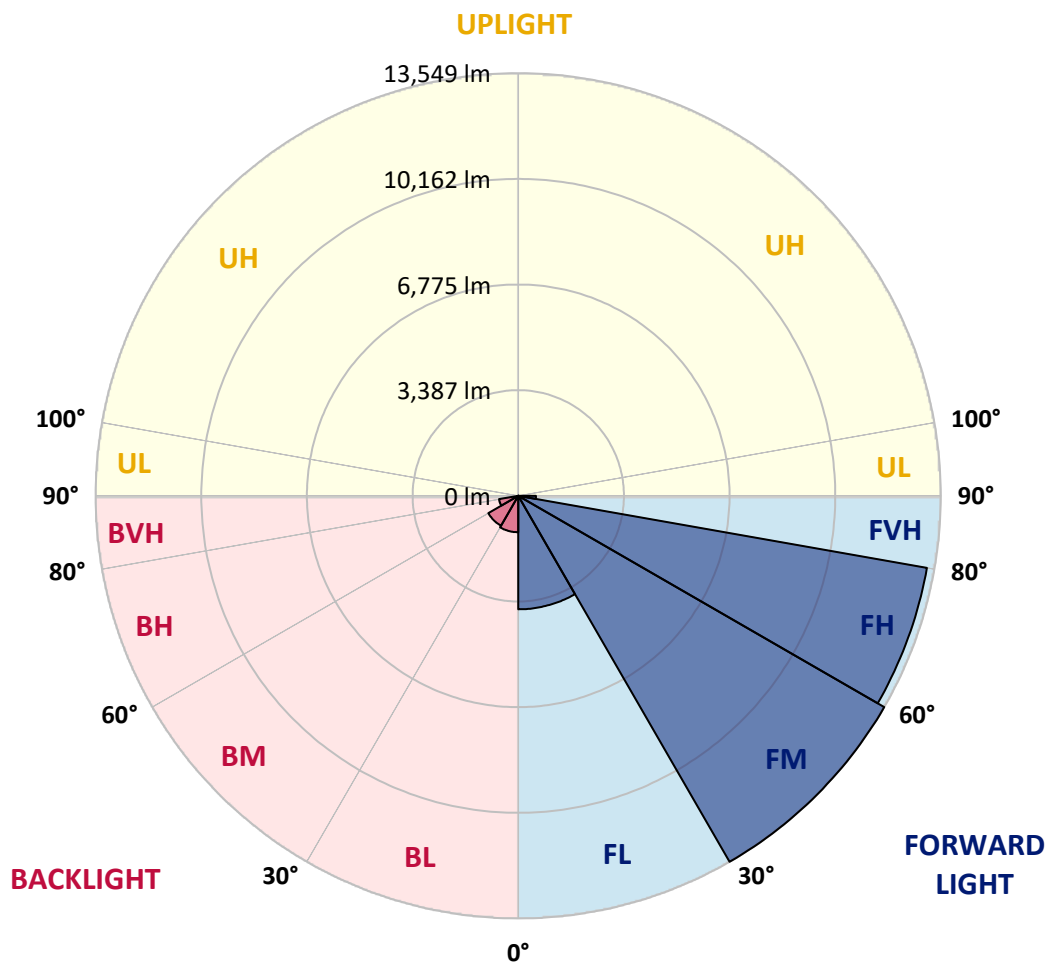
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3638.4	10.7			
FM	(30°-60°)	13549.2	39.9			
FH	(60°-80°)	13304.4	39.2			G5
FVH	(80°-90°)	566.4	1.7			G4/750
BL	(0°-30°)	1167.8	3.4	B3/2500		
BM	(30°-60°)	1108.9	3.3	B2/2500		
BH	(60°-80°)	625.1	1.8	B2/1000		G2/1000
BVH	(80°-90°)	4.9	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°	10033.1	10033.1	10033.1	10033.1	10033.1	10033.1	10033.1	10033.1	10033.1	10033.1	10033.1
2.5°	10865.0	10838.1	10828.2	10811.3	10746.3	10682.8	10557.1	10521.8	10442.7	10254.8	10055.7
5°	10873.4	10872.0	10901.7	10894.6	10872.0	10842.4	10752.0	10705.4	10571.2	10302.9	9938.5
7.5°	10349.5	10376.3	10442.7	10496.3	10558.5	10639.0	10650.3	10605.1	10494.9	10205.4	9722.4
10°	9646.1	9688.5	9781.7	9887.6	10050.0	10211.1	10355.1	10349.5	10311.3	10026.0	9462.5
12.5°	8941.4	8990.8	9098.1	9254.9	9485.1	9747.8	10004.9	10040.2	10103.7	9865.0	9222.4
15°	8324.2	8366.6	8472.5	8664.6	8949.9	9302.9	9680.0	9745.0	9908.8	9739.3	9021.9
17.5°	7800.2	7827.1	7904.7	8118.0	8448.5	8876.4	9366.5	9493.6	9737.9	9640.5	8848.2
20°	7434.4	7438.7	7489.5	7639.2	7969.7	8448.5	9041.7	9223.8	9557.1	9555.7	8668.8
22.5°	7253.7	7239.5	7249.4	7335.6	7578.5	8040.3	8716.8	8932.9	9394.7	9483.7	8486.6
25°	7219.8	7208.5	7180.2	7191.5	7338.4	7683.0	8389.2	8639.1	9252.1	9439.9	8328.4
27.5°	7325.7	7337.0	7289.0	7238.1	7249.4	7451.4	8098.2	8387.8	9136.3	9439.9	8216.9
30°	7538.9	7544.6	7509.3	7442.9	7353.9	7386.4	7896.3	8185.8	9078.4	9504.9	8146.2
32.5°	7774.8	7805.9	7801.6	7748.0	7620.9	7489.5	7848.2	8112.3	9074.1	9649.0	8139.2
35°	8067.2	8102.5	8161.8	8150.5	8017.7	7801.6	8012.1	8219.7	9157.5	9886.2	8215.4
37.5°	8377.9	8431.5	8558.6	8619.4	8533.2	8288.9	8379.3	8527.6	9380.6	10270.4	8408.9
40°	8678.7	8739.4	8971.0	9209.7	9144.8	8893.4	8935.7	9054.4	9777.5	10822.6	8776.1
42.5°	8973.9	9064.3	9404.6	9797.2	9874.9	9674.4	9697.0	9791.6	10366.4	11582.4	9376.4
45°	9326.9	9428.6	9932.8	10417.3	10624.9	10537.3	10633.3	10695.5	11136.1	12586.6	10185.6
47.5°	9845.3	9962.5	10581.1	11133.3	11497.7	11554.2	11747.7	11788.6	12109.2	13756.0	11240.6
50°	10856.5	10889.0	11448.2	11949.6	12475.0	12814.0	13034.3	13065.3	13287.1	15034.1	12558.3
52.5°	12129.0	12150.2	12466.5	12802.7	13400.1	14092.1	14607.6	14651.4	14698.0	16279.8	13859.1
55°	13393.0	13390.2	13599.2	13796.9	14480.5	15486.1	16604.6	16631.4	16296.7	17461.9	14853.3
57.5°	14182.5	14258.8	14576.5	14830.7	15785.5	17074.9	18627.0	18725.9	17976.0	18337.5	15836.3
60°	13931.1	13967.8	14672.6	15613.2	17411.0	19333.2	20673.5	20698.9	19238.6	19211.7	17079.1
62.5°	11869.1	11888.9	12996.1	14935.3	18234.4	22262.4	23142.2	22728.4	20690.4	20424.9	18566.3
65°	8134.9	8263.5	9188.5	11585.2	16721.8	24099.8	26964.0	26279.0	22903.5	22173.4	19910.8
67.5°	4790.6	4763.7	5221.3	6986.7	12281.5	22879.5	31798.3	31117.6	25921.7	23344.2	19516.8
70°	3272.3	3254.0	3429.1	4229.9	6933.1	17748.6	33319.4	34693.6	28586.7	22556.1	16796.7
72.5°	2336.0	2345.9	2604.3	3286.5	4352.8	10341.0	28653.1	31905.7	27752.0	19663.7	12767.3
75°	1586.0	1612.9	1982.9	2696.1	3816.1	5260.9	20333.1	24253.7	22598.5	14291.2	7338.4
77.5°	853.0	882.7	1319.1	2172.1	3450.3	3655.1	13079.5	16692.2	14195.2	6424.6	2126.9
80°	355.9	372.9	617.2	1579.0	2981.4	3210.2	7695.7	10122.1	6049.0	1266.8	474.5
82.5°	153.9	162.4	257.0	942.0	2228.6	2710.2	4074.5	4869.7	1833.2	278.2	238.7
85°	29.7	31.1	105.9	498.5	1422.2	1529.5	2641.0	2588.8	823.4	120.0	173.7
87.5°	0.0	0.0	25.4	156.8	418.0	833.3	1611.5	1591.7	279.6	57.9	65.0
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°	10033.1	10033.1	10033.1	10033.1	10033.1	10033.1	10033.1	10033.1	10033.1	10033.1	10033.1
2.5°	9954.0	9856.6	9651.8	9399.0	9205.5	8992.2	8822.7	8608.1	8514.9	8519.1	8468.3
5°	9730.9	9530.3	9077.0	8505.0	8064.3	7609.6	7218.4	6828.6	6598.3	6523.5	6452.9
7.5°	9411.7	9093.9	8370.8	7489.5	6743.8	6015.1	5380.9	4823.1	4470.0	4297.7	4234.1
10°	9051.5	8605.2	7558.7	6397.8	5332.9	4347.1	3525.1	2810.5	2525.2	2331.7	2282.3
12.5°	8735.2	8130.7	6765.0	5277.8	4013.8	2824.6	2040.8	1595.9	1402.4	1326.2	1313.5
15°	8437.2	7687.2	6000.9	4263.8	2779.4	1738.6	1297.9	1146.8	1101.6	1088.9	1088.9
17.5°	8156.1	7265.0	5253.8	3265.3	1838.8	1218.8	1074.8	1040.9	1026.8	1025.3	1026.8
20°	7862.4	6842.7	4519.4	2392.5	1283.8	1032.4	992.9	974.5	970.3	970.3	970.3
22.5°	7581.3	6420.4	3804.8	1708.9	1029.6	942.0	922.2	909.5	905.3	903.9	901.1
25°	7311.6	6019.3	3107.1	1207.5	903.9	862.9	846.0	829.0	816.3	809.3	805.0
27.5°	7089.8	5662.0	2457.4	968.8	816.3	781.0	759.8	734.4	703.3	689.2	683.6
30°	6913.3	5335.7	1893.9	817.7	734.4	699.1	666.6	622.8	577.6	553.6	552.2
32.5°	6774.9	5015.1	1437.7	723.1	661.0	617.2	570.6	515.5	463.2	436.4	435.0
35°	6707.1	4732.7	1098.8	653.9	596.0	540.9	483.0	422.3	371.4	346.0	343.2
37.5°	6752.3	4494.0	857.3	596.0	540.9	477.4	409.6	346.0	300.8	278.2	276.8
40°	6917.5	4341.5	696.3	546.6	494.3	416.6	343.2	283.9	245.7	227.4	226.0
42.5°	7269.2	4285.0	594.6	505.6	449.1	360.1	285.3	234.4	199.1	186.4	183.6
45°	7856.7	4368.3	525.4	466.1	402.5	306.5	235.9	192.1	161.0	151.1	149.7
47.5°	8639.1	4587.2	476.0	427.9	360.1	258.5	196.3	155.4	131.3	121.5	120.0
50°	9647.5	4934.6	435.0	389.8	320.6	218.9	162.4	122.9	101.7	94.6	94.6
52.5°	10744.9	5348.4	398.3	354.5	281.1	182.2	131.3	94.6	80.5	72.0	72.0
55°	11651.6	5710.0	358.7	327.7	233.0	151.1	100.3	72.0	59.3	55.1	55.1
57.5°	12556.9	6095.6	313.5	281.1	186.4	122.9	76.3	53.7	43.8	41.0	41.0
60°	13730.5	6567.3	269.8	228.8	146.9	93.2	56.5	38.1	32.5	31.1	31.1
62.5°	15021.4	6844.1	230.2	183.6	114.4	69.2	41.0	25.4	24.0	24.0	22.6
65°	15810.9	6452.9	193.5	146.9	89.0	52.3	26.8	18.4	21.2	19.8	16.9
67.5°	14803.9	5051.9	158.2	114.4	69.2	39.5	16.9	12.7	22.6	18.4	14.1
70°	12257.5	3536.4	122.9	80.5	55.1	33.9	11.3	8.5	24.0	18.4	11.3
72.5°	9173.0	2367.0	97.4	53.7	41.0	29.7	9.9	4.2	21.2	15.5	9.9
75°	5012.3	953.3	77.7	33.9	25.4	21.2	7.1	2.8	14.1	11.3	7.1
77.5°	1319.1	251.4	56.5	22.6	14.1	8.5	4.2	1.4	7.1	5.6	2.8
80°	336.1	97.4	36.7	15.5	9.9	4.2	0.0	0.0	1.4	0.0	0.0
82.5°	179.4	41.0	22.6	11.3	5.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	135.6	26.8	12.7	7.1	1.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	52.3	8.5	4.2	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)