

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: P323204

Luminaire Tested: **GAN-SA0B-740-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323204
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-SA0B-740-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 800mA 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: 46851 lumens
Efficiency: N/A
Efficacy: 111.8 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

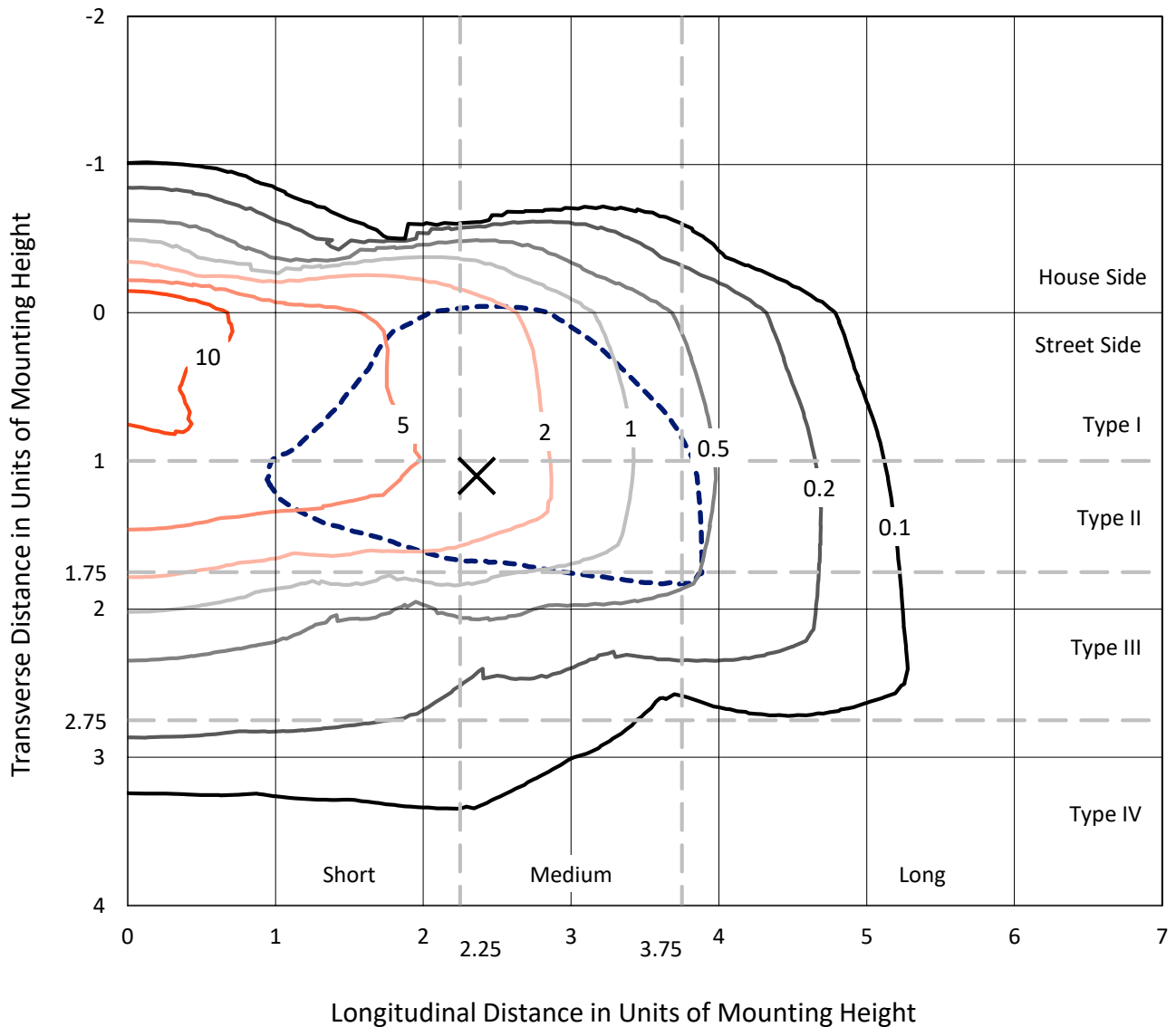
Input Watts (W): 419
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323204
 CATALOG NUMBER: GAN-SA0B-740-U-SL2-HSS

Iso-Footcandle Lines of Horizontal Illumination

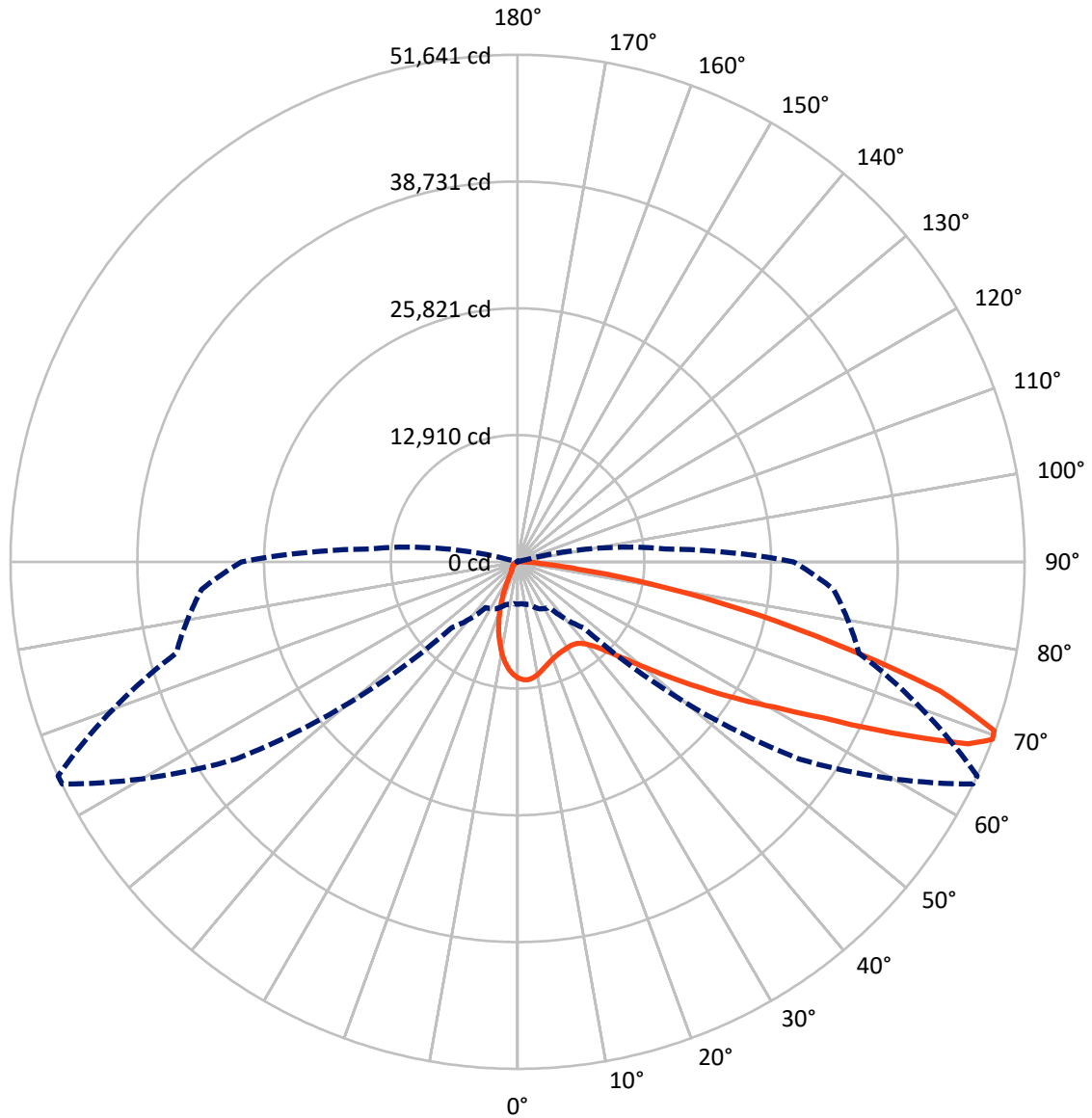
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P323204
CATALOG NUMBER: GAN-SA0B-740-U-SL2-HSS

Luminous Intensity Polar Plot



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

REPORT NUMBER: P323204
 CATALOG NUMBER: GAN-SA0B-740-U-SL2-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5522.6	0.0	5522.6
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	41328.4	0.0	41328.4
	% Fixture	88.2	0.0	88.2
Total	Lumens	46851.0	0.0	46851.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	990.0	2.1
10°-20°	2167.2	4.6
20°-30°	3001.6	6.4
30°-40°	4185.2	8.9
40°-50°	6505.2	13.9
50°-60°	10443.4	22.3
60°-70°	11813.2	25.2
70°-80°	6938.0	14.8
80°-90°	807.1	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°	46851.0	100.0
0°-180°	46851.0	100.0

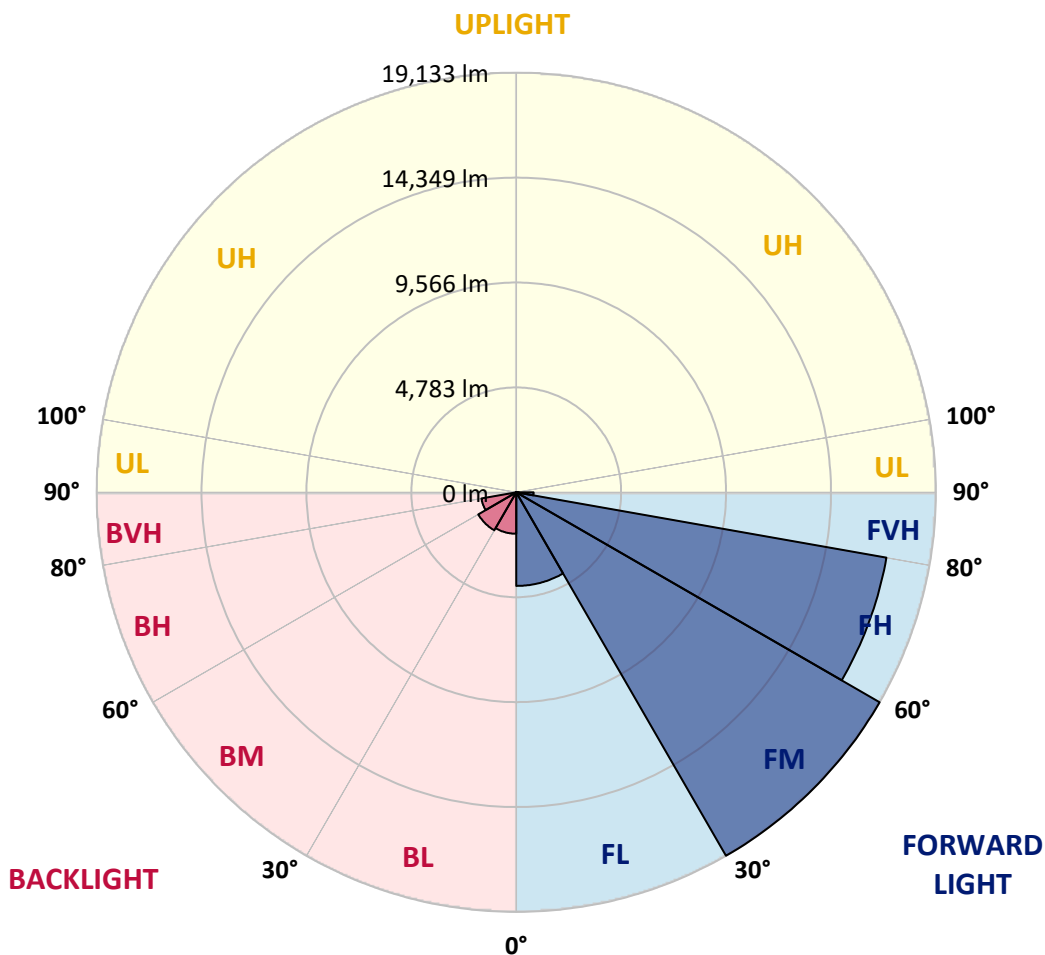


REPORT NUMBER: P323204
 CATALOG NUMBER: GAN-SA0B-740-U-SL2-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4269.2	9.1			
FM (30°-60°)	19132.6	40.8			
FH (60°-80°)	17137.6	36.6			G5
FVH (80°-90°)	788.9	1.7			G5
BL (0°-30°)	1889.6	4.0	B3/2500		
BM (30°-60°)	2001.3	4.3	B2/2500		
BH (60°-80°)	1613.6	3.4	B3/2500		G3/2500
BVH (80°-90°)	18.2	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





REPORT NUMBER: P323204
 CATALOG NUMBER: GAN-SA0B-740-U-SL2-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	11839.3	11839.3	11839.3	11839.3	11839.3	11839.3	11839.3	11839.3	11839.3	11839.3	11839.3
2.5°	11944.4	11914.7	11938.5	11990.0	12015.8	12015.8	12035.6	12011.8	12019.7	11962.2	11879.0
5°	11197.0	11151.4	11216.8	11361.6	11540.0	11692.6	11918.6	12037.6	12049.5	12051.5	11954.3
7.5°	10392.1	10350.5	10447.6	10618.1	10848.1	11131.6	11526.1	11871.0	11890.9	12077.2	12005.9
10°	9737.9	9708.2	9821.2	10003.6	10273.2	10590.4	11074.1	11553.9	11611.3	12023.7	11997.9
12.5°	9218.5	9194.7	9301.8	9511.9	9787.5	10138.4	10643.9	11201.0	11278.3	11902.8	11958.3
15°	8839.8	8835.9	8925.1	9127.3	9432.6	9759.7	10277.1	10873.9	10963.1	11771.9	11952.3
17.5°	8641.6	8647.5	8713.0	8885.4	9147.1	9472.3	9967.9	10598.3	10695.4	11655.0	11982.1
20°	8621.8	8627.7	8663.4	8760.5	8972.7	9260.1	9716.1	10366.4	10467.5	11567.7	12029.6
22.5°	8796.2	8792.3	8802.2	8792.3	8911.2	9129.3	9549.6	10187.9	10304.9	11510.2	12067.3
25°	9131.3	9125.3	9121.4	9048.0	8968.7	9085.7	9480.2	10086.8	10197.8	11468.6	12089.1
27.5°	9597.2	9593.2	9587.2	9466.3	9228.4	9155.1	9488.1	10049.2	10142.3	11434.9	12085.2
30°	10209.7	10237.5	10229.6	10061.1	9690.3	9367.2	9571.4	10029.3	10110.6	11369.5	12043.5
32.5°	10929.4	10984.9	11028.5	10848.1	10384.2	9787.5	9763.7	10051.1	10110.6	11319.9	11968.2
35°	11676.8	11748.1	11908.7	11845.3	11234.7	10419.9	10094.8	10182.0	10231.5	11347.7	11932.5
37.5°	12412.3	12497.5	12846.4	13030.8	12348.8	11256.5	10610.2	10505.1	10530.9	11516.2	11972.2
40°	13266.7	13395.6	13924.9	14222.3	13679.1	12376.6	11381.4	11060.2	11070.1	11886.9	12156.5
42.5°	14388.8	14521.6	15094.6	15560.4	15177.8	13792.1	12428.1	11908.7	11898.8	12580.8	12590.7
45°	15756.7	15895.5	16488.2	17005.7	16833.2	15469.2	13768.3	13147.8	13135.9	13675.1	13413.4
47.5°	17307.0	17443.8	17973.1	18506.4	18692.7	17427.9	15475.2	14838.8	14811.1	15195.7	14684.2
50°	18637.2	18726.4	19214.1	19931.8	20772.4	19834.6	17598.4	16985.8	16956.1	17215.8	16549.7
52.5°	19121.0	19172.5	19668.1	20673.2	22770.7	23093.8	20387.8	19598.7	19576.9	19689.9	19033.7
55°	18141.6	18234.8	18843.4	20334.2	23853.1	26777.3	23908.6	22834.1	22669.6	22425.7	21630.8
57.5°	15473.2	15621.9	16276.1	18258.6	23347.6	29699.4	29082.9	26493.8	26251.9	24761.1	23742.1
60°	11593.5	11775.9	12319.1	14458.2	20649.4	30740.2	34736.9	30571.7	30026.5	26620.6	25682.9
62.5°	7955.7	8046.9	8415.6	9809.3	15207.6	29035.3	39467.1	36033.4	35038.2	28642.8	27782.4
65°	6076.3	6108.0	6258.7	6738.4	9055.9	23585.5	41348.4	43239.7	42036.4	31061.4	29961.1
67.5°	4896.7	4870.9	5079.1	5765.0	6064.4	14388.8	39153.8	50057.4	49494.4	34294.8	32153.7
69°	4317.8	4282.1	4494.3	5291.2	5695.6	9511.9	35002.5	51605.8	51641.4	36001.7	32304.4
70°	3885.6	3909.4	4119.6	5009.7	5570.7	7466.0	31037.6	51211.2	51492.8	36640.1	31400.4
72.5°	2595.1	2658.5	3080.8	4159.2	5356.6	5650.0	18740.3	43945.5	45027.9	35202.8	26939.8
75°	1463.1	1510.6	2012.2	3136.3	5047.4	5380.4	9898.5	32375.8	33422.5	29437.7	20774.3
77.5°	717.7	743.4	1137.9	2024.1	4220.7	5126.7	5614.4	21991.6	23187.0	19214.1	11750.1
80°	303.3	317.2	569.0	1249.0	3017.3	4892.7	4169.1	13534.3	13683.0	7527.5	3130.3
82.5°	117.0	120.9	239.9	779.1	1917.1	3814.3	3487.2	6417.3	6262.6	1417.5	713.7
85°	13.9	15.9	87.2	467.9	1066.6	1962.6	2833.0	2765.6	2559.4	281.5	366.8
87.5°	0.0	0.0	5.9	142.7	317.2	919.9	1473.0	1147.9	1034.9	91.2	190.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P323204
 CATALOG NUMBER: GAN-SA0B-740-U-SL2-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11839.3	11839.3	11839.3	11839.3	11839.3	11839.3	11839.3	11839.3	11839.3	11839.3	11839.3
2.5°	11809.6	11789.8	11682.7	11528.1	11381.4	11199.0	11024.5	10919.5	10836.2	10780.7	10846.1
5°	11841.3	11754.1	11429.0	11012.6	10604.2	10144.3	9716.1	9353.3	9210.6	9052.0	9123.3
7.5°	11831.4	11666.9	11082.0	10340.6	9591.2	8816.1	8082.5	7517.5	7224.1	6936.7	7010.0
10°	11781.8	11504.3	10618.1	9519.8	8397.8	7283.6	6242.8	5451.8	5009.7	4609.3	4666.7
12.5°	11672.8	11286.2	10071.0	8580.1	7079.4	5610.4	4391.2	3378.1	2834.9	2595.1	2624.8
15°	11607.4	11074.1	9492.1	7628.6	5671.9	3907.5	2684.3	1996.4	1748.5	1669.2	1679.2
17.5°	11575.7	10869.9	8893.4	6540.2	4232.6	2488.0	1734.7	1530.5	1476.9	1463.1	1467.0
20°	11543.9	10663.7	8276.8	5463.7	2916.2	1673.2	1425.4	1365.9	1346.1	1328.3	1332.2
22.5°	11490.4	10465.5	7614.7	4373.3	1966.6	1358.0	1284.6	1227.2	1185.5	1163.7	1167.7
25°	11425.0	10257.3	6938.7	3257.2	1435.3	1211.3	1141.9	1060.6	1011.1	971.4	973.4
27.5°	11319.9	10001.6	6240.8	2371.0	1205.3	1084.4	991.2	902.0	818.8	773.2	773.2
30°	11173.2	9712.1	5465.7	1697.0	1080.4	959.5	846.5	735.5	646.3	604.7	600.7
32.5°	11010.7	9410.8	4682.6	1286.6	981.3	842.6	713.7	596.7	517.4	483.7	481.7
35°	10871.9	9085.7	3901.5	1078.5	882.2	729.6	588.8	489.7	426.2	398.5	396.5
37.5°	10782.7	8760.5	3140.2	963.5	793.0	624.5	493.6	404.4	358.8	337.0	335.0
40°	10768.8	8518.7	2444.4	876.3	709.7	531.3	412.4	343.0	301.3	277.5	275.6
42.5°	10949.2	8379.9	1875.4	802.9	624.5	450.0	350.9	293.4	249.8	226.0	224.0
45°	11423.0	8423.5	1443.2	737.5	539.2	380.6	297.4	243.8	204.2	186.4	182.4
47.5°	12287.4	8724.9	1147.9	672.1	458.0	323.1	253.8	202.2	168.5	150.7	148.7
50°	13825.8	9432.6	959.5	600.7	382.6	275.6	210.1	164.5	136.8	120.9	118.9
52.5°	15867.7	10693.5	856.4	531.3	317.2	233.9	172.5	130.8	107.1	95.2	93.2
55°	18119.8	12220.0	789.0	456.0	259.7	194.3	136.8	103.1	83.3	73.4	69.4
57.5°	20318.4	13542.3	725.6	382.6	216.1	158.6	109.0	81.3	65.4	55.5	53.5
60°	22338.5	14757.5	652.2	307.3	176.4	124.9	85.2	63.4	51.5	41.6	41.6
62.5°	24501.4	15697.2	551.1	239.9	144.7	95.2	69.4	57.5	41.6	35.7	33.7
65°	26793.1	16395.1	432.2	186.4	113.0	71.4	57.5	59.5	33.7	25.8	23.8
67.5°	28486.2	16256.3	319.2	146.7	87.2	55.5	55.5	63.4	29.7	19.8	17.8
69°	28113.5	15128.3	267.6	126.9	75.3	47.6	51.5	63.4	27.8	17.8	15.9
70°	27033.0	13879.3	235.9	113.0	67.4	43.6	49.6	61.5	25.8	17.8	15.9
72.5°	22513.0	10453.6	184.4	85.2	53.5	35.7	41.6	53.5	25.8	17.8	13.9
75°	16934.3	6690.8	140.8	61.5	39.6	27.8	31.7	39.6	25.8	15.9	13.9
77.5°	9214.5	2412.7	101.1	41.6	27.8	21.8	21.8	29.7	23.8	11.9	7.9
80°	2369.1	606.6	63.4	27.8	21.8	15.9	13.9	19.8	13.9	2.0	0.0
82.5°	584.8	136.8	33.7	19.8	15.9	5.9	5.9	9.9	5.9	0.0	0.0
85°	321.2	67.4	21.8	13.9	7.9	0.0	0.0	2.0	0.0	0.0	0.0
87.5°	164.5	19.8	5.9	4.0	2.0	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)