

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: P458791

Luminaire Tested: **GLAN-SA3B-735-U-T2-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P458791  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA3B-735-U-T2-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11829 lumens  
Efficiency: N/A  
Efficacy: 97.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

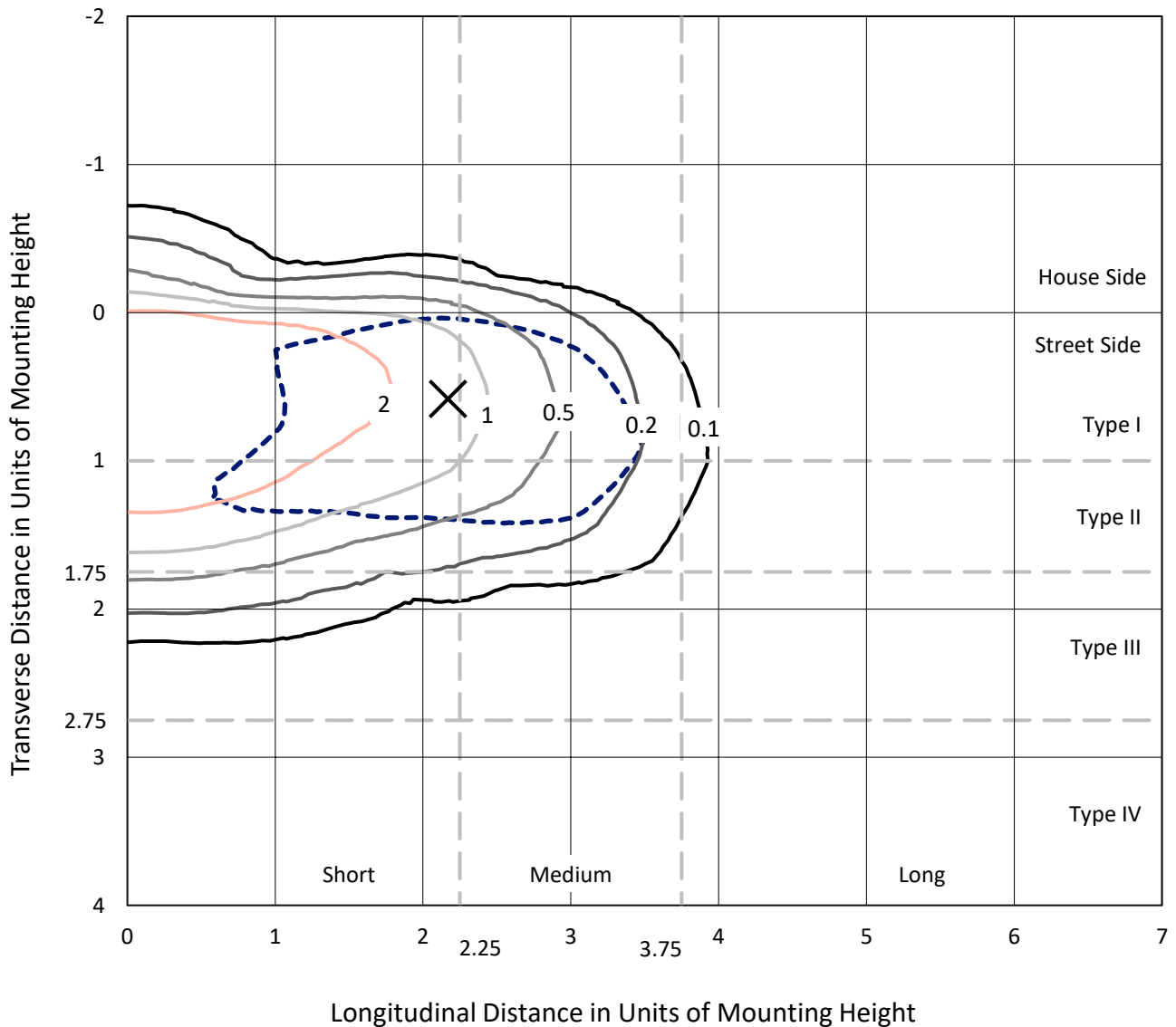
Input Watts (W): 121  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

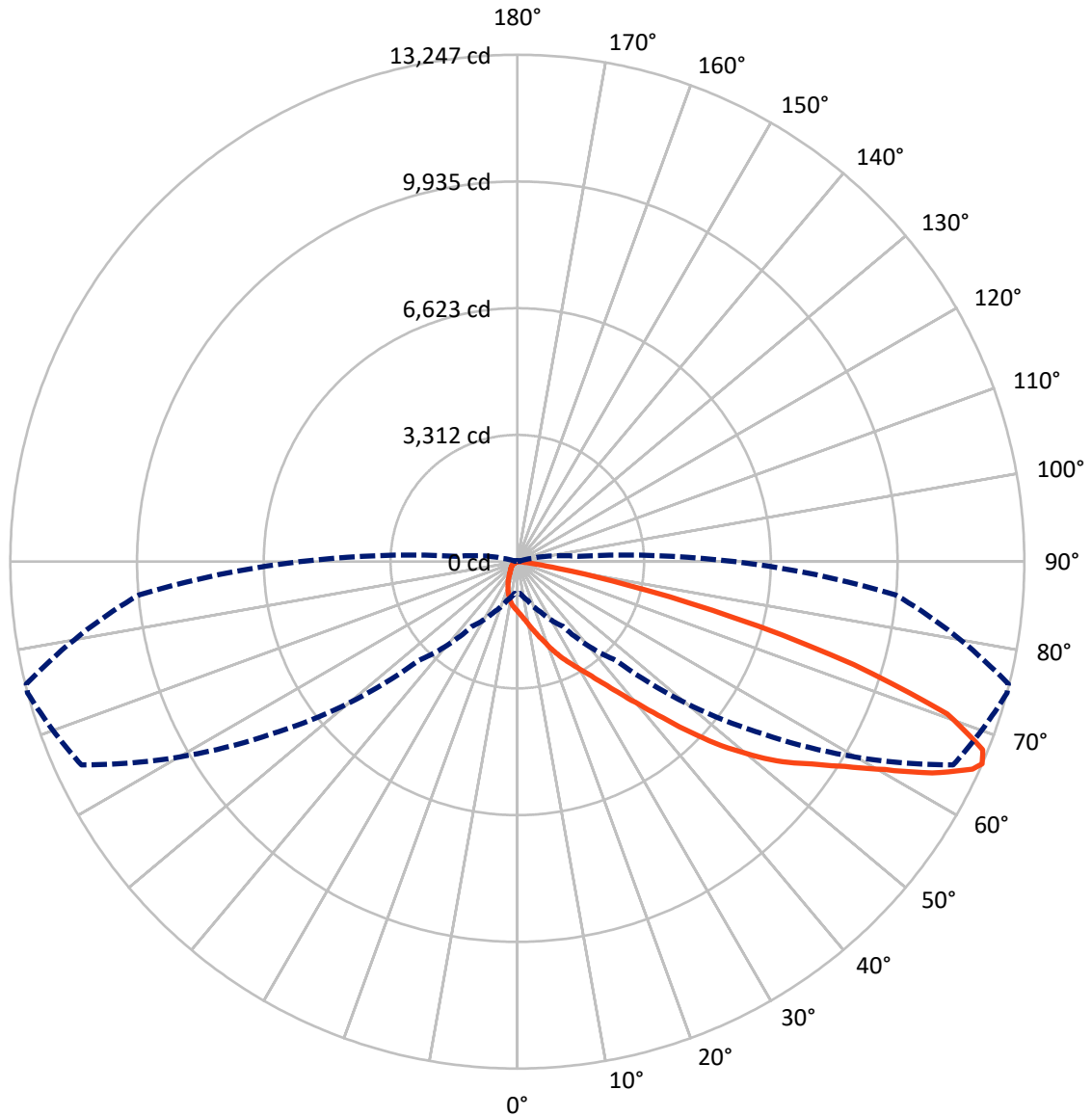
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.5 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 66-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	730.3	0.0	730.3
	% Fixture	6.2	0.0	6.2
<b>Street Side</b>	Lumens	11098.7	0.0	11098.7
	% Fixture	93.8	0.0	93.8
<b>Total</b>	Lumens	11829.0	0.0	11829.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.8	1.1
10°-20°	367.2	3.1
20°-30°	634.1	5.4
30°-40°	1143.8	9.7
40°-50°	2066.2	17.5
50°-60°	3221.3	27.2
60°-70°	3060.1	25.9
70°-80°	1146.8	9.7
80°-90°	64.7	0.5
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°	11829.0	100.0
0°-180°	11829.0	100.0

**Coefficient of Utilization**



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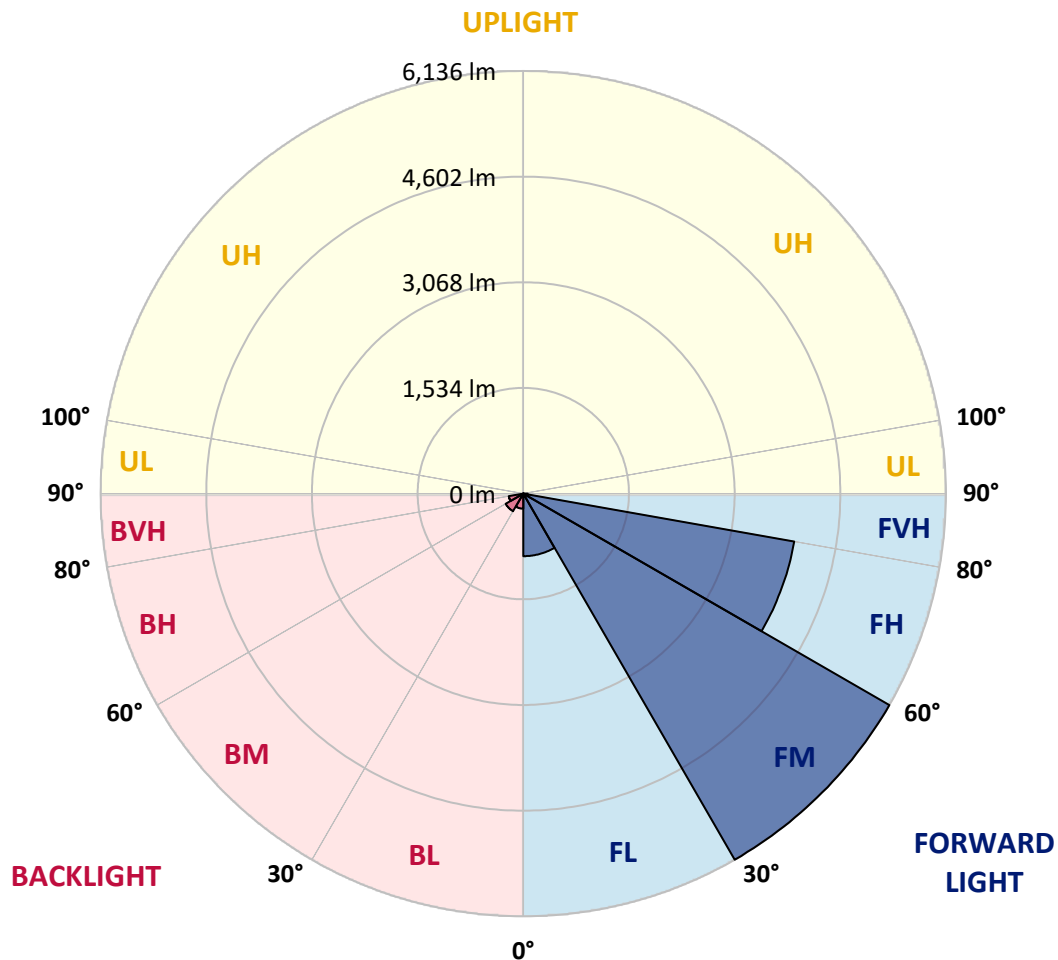
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	908.0	7.7			
FM (30°-60°)	6135.7	51.9			
FH (60°-80°)	3993.7	33.8			G2/5000
FVH (80°-90°)	61.4	0.5			G1/100
BL (0°-30°)	218.1	1.8	B1/500		
BM (30°-60°)	295.6	2.5	B1/1000		
BH (60°-80°)	213.2	1.8	B1/500		G1/500
BVH (80°-90°)	3.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6
2.5°	1545.5	1526.3	1532.4	1523.7	1503.5	1473.8	1447.6	1409.9	1372.3	1366.2	1324.2
5°	1749.3	1744.1	1737.1	1711.7	1697.7	1652.2	1598.0	1533.3	1455.4	1441.4	1365.3
7.5°	1888.4	1885.8	1889.3	1876.1	1863.9	1822.8	1765.1	1676.7	1556.0	1548.1	1421.3
10°	1933.9	1940.9	1954.0	1975.0	1994.2	1981.1	1937.4	1827.2	1686.3	1663.6	1485.2
12.5°	1907.6	1915.5	1947.0	2003.0	2065.1	2100.9	2083.4	2003.0	1824.5	1806.2	1556.9
15°	1840.3	1849.9	1894.5	1981.1	2092.2	2193.6	2237.4	2179.6	1985.5	1955.7	1643.5
17.5°	1740.6	1754.6	1818.4	1933.0	2085.2	2260.1	2383.4	2364.2	2156.9	2128.9	1737.9
20°	1665.3	1675.8	1730.1	1861.3	2055.4	2296.8	2522.5	2576.7	2368.6	2320.5	1849.0
22.5°	1715.2	1718.7	1737.1	1815.8	2002.1	2306.5	2645.0	2798.0	2593.4	2550.5	1964.5
25°	1959.2	1924.2	1905.9	1888.4	1990.7	2297.7	2756.0	3028.9	2817.3	2771.8	2079.1
27.5°	2344.1	2328.3	2235.6	2111.4	2087.8	2309.1	2829.5	3247.6	3028.1	2979.1	2191.0
30°	2763.0	2735.9	2679.1	2497.1	2314.3	2389.6	2882.9	3460.1	3277.3	3212.6	2293.4
32.5°	3147.9	3165.4	3080.5	2893.4	2681.7	2561.0	2952.0	3691.9	3563.4	3482.9	2412.3
35°	3596.6	3631.6	3501.3	3321.9	3074.4	2870.6	3086.7	3953.5	3926.3	3824.9	2596.0
37.5°	4052.3	4073.3	3993.7	3741.8	3518.7	3264.2	3340.3	4276.2	4373.3	4286.7	2815.5
40°	4435.4	4464.3	4405.6	4181.7	3943.8	3719.9	3708.5	4627.8	4905.1	4815.9	3142.6
42.5°	4728.4	4750.3	4752.0	4593.7	4379.4	4277.9	4178.2	5076.5	5571.6	5468.4	3522.2
45°	5098.4	5129.9	5111.5	5003.9	4843.9	4825.5	4773.9	5618.8	6369.3	6238.9	4014.7
47.5°	5670.4	5691.4	5645.9	5519.1	5356.4	5385.3	5354.7	6226.7	7182.7	7070.7	4524.6
50°	6067.5	6102.5	6167.2	6217.9	6099.9	5993.2	5902.2	6794.3	7955.0	7854.4	5045.9
52.5°	6063.1	6120.9	6325.5	6580.9	6838.9	6806.6	6545.1	7421.5	8692.3	8568.1	5535.7
55°	5654.7	5766.6	6067.5	6520.6	7235.2	7591.2	7472.2	8147.4	9329.1	9245.1	6103.4
57.5°	4811.5	4879.7	5297.8	5931.1	7013.9	7960.3	8546.3	9131.4	10092.7	10053.3	6985.0
60°	3236.2	3266.8	3804.8	4587.6	5971.3	7592.0	9333.5	10321.8	11032.9	11013.7	8014.5
62.5°	1854.3	1867.4	2257.5	2917.9	4249.1	6434.0	9399.9	11790.4	12160.4	12170.9	9205.8
65°	998.0	1005.0	1319.9	1712.6	2585.5	4585.8	8452.7	12595.1	13071.8	13091.9	9944.0
66°	861.5	828.3	1050.5	1459.8	2057.2	3649.9	7853.5	12566.2	13246.7	13224.8	9917.7
67.5°	655.1	684.9	838.8	1122.2	1524.5	2595.1	6483.8	12007.3	13113.7	13045.5	9514.5
70°	468.8	481.1	597.4	800.3	1038.2	1423.9	4143.3	9972.8	11919.0	11827.1	8289.1
72.5°	302.6	315.8	423.3	579.0	750.5	777.6	2319.6	7205.4	9189.1	9176.0	6242.4
75°	216.0	228.3	279.9	414.6	564.2	481.1	1116.9	4856.1	5841.8	5802.5	3861.6
77.5°	156.6	162.7	187.2	271.1	403.2	344.6	517.8	2593.4	2908.2	3045.6	1706.5
80°	90.1	95.3	130.3	165.3	272.9	235.3	247.5	1040.8	1073.2	1021.6	533.5
82.5°	44.6	50.7	77.8	112.8	170.6	158.3	113.7	313.1	330.6	321.9	134.7
85°	10.5	13.1	43.7	74.3	83.1	70.8	55.1	91.8	113.7	111.1	51.6
87.5°	0.9	1.7	15.7	13.1	14.0	23.6	19.2	23.6	36.7	34.1	18.4
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°	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6	1293.6
2.5°	1305.0	1288.4	1240.3	1193.0	1153.7	1112.6	1075.0	1053.1	1044.3	1034.7	1039.1
5°	1323.4	1283.1	1186.0	1102.1	1019.9	949.9	893.9	858.0	840.5	837.9	833.5
7.5°	1347.8	1278.7	1128.3	997.1	889.5	811.7	747.8	696.2	680.5	666.5	655.1
10°	1377.6	1270.9	1056.6	886.9	772.3	674.4	590.4	529.2	497.7	488.9	495.1
12.5°	1409.1	1256.0	981.4	785.4	653.4	528.3	450.4	419.8	411.1	407.6	408.5
15°	1440.6	1237.6	902.6	687.5	520.4	421.6	385.7	377.9	374.4	372.6	370.9
17.5°	1469.4	1207.9	814.3	592.1	421.6	360.4	347.2	340.2	333.2	330.6	326.2
20°	1503.5	1173.8	734.7	485.4	356.9	326.2	310.5	297.4	286.9	279.9	279.0
22.5°	1535.9	1130.1	651.6	402.3	325.4	293.0	267.6	253.7	241.4	232.7	235.3
25°	1553.4	1076.7	577.3	350.7	296.5	259.8	231.8	214.3	201.2	196.8	195.9
27.5°	1553.4	1011.1	504.7	321.0	270.3	230.0	201.2	184.6	175.8	169.7	170.6
30°	1541.1	938.5	437.3	298.3	247.5	203.8	176.7	161.8	154.8	150.4	149.6
32.5°	1531.5	869.4	379.6	276.4	223.9	181.1	157.4	146.1	139.1	134.7	134.7
35°	1546.4	809.9	335.0	254.5	202.0	163.6	142.6	132.1	125.1	121.6	120.7
37.5°	1585.8	755.7	300.9	230.9	181.9	148.7	132.1	119.8	112.8	108.5	106.7
40°	1682.8	725.1	275.5	209.0	162.7	136.4	119.8	108.5	99.7	95.3	94.5
42.5°	1838.5	726.0	251.0	188.9	147.8	126.0	109.3	96.2	86.6	82.2	81.3
45°	2072.9	759.2	231.8	169.7	134.7	114.6	98.0	84.0	75.2	70.8	70.8
47.5°	2353.7	823.9	215.2	153.1	122.5	104.1	86.6	72.6	63.8	60.4	60.4
50°	2658.1	907.9	198.5	135.6	112.0	92.7	74.3	63.0	56.0	53.4	53.4
52.5°	2968.6	1009.4	181.9	121.6	100.6	80.5	63.8	56.0	49.9	48.1	47.2
55°	3376.2	1138.8	164.4	106.7	88.3	69.1	56.9	49.0	42.0	39.4	38.5
57.5°	4003.3	1333.9	145.2	93.6	72.6	57.7	49.0	41.1	33.2	28.9	28.0
60°	4759.9	1571.8	125.1	82.2	58.6	47.2	39.4	31.5	24.5	19.2	18.4
62.5°	5468.4	1723.1	105.8	69.1	46.4	35.9	28.0	23.6	17.5	12.2	11.4
65°	5781.5	1672.3	87.5	56.0	36.7	25.4	18.4	16.6	10.5	5.2	4.4
66°	5677.4	1597.1	80.5	50.7	33.2	21.9	15.7	14.0	7.9	2.6	2.6
67.5°	5370.4	1419.6	70.0	43.7	28.9	17.5	12.2	10.5	4.4	0.9	0.0
70°	4601.6	1148.4	55.1	32.4	21.0	12.2	7.0	5.2	2.6	0.0	0.0
72.5°	3534.5	855.4	43.7	24.5	14.9	7.0	3.5	1.7	2.6	0.0	0.0
75°	2165.7	488.9	34.1	18.4	9.6	4.4	2.6	0.0	2.6	0.9	0.0
77.5°	961.2	219.5	22.7	12.2	7.0	3.5	1.7	0.0	1.7	0.9	0.0
80°	243.2	71.7	13.1	8.7	5.2	2.6	0.9	0.0	1.7	1.7	0.9
82.5°	66.5	26.2	9.6	7.0	4.4	2.6	0.9	0.0	1.7	1.7	1.7
85°	26.2	12.2	8.7	7.0	5.2	2.6	0.9	0.0	1.7	1.7	1.7
87.5°	12.2	8.7	8.7	7.9	6.1	2.6	0.9	0.0	1.7	0.9	1.7
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)