

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: P323557

Luminaire Tested: **GAN-SA3B-750-U-SL3-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323557  
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-SA3B-750-U-SL3-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 5000K, 800mA 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: 14905 lumens  
Efficiency: N/A  
Efficacy: 120.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B2 - U0 - G3

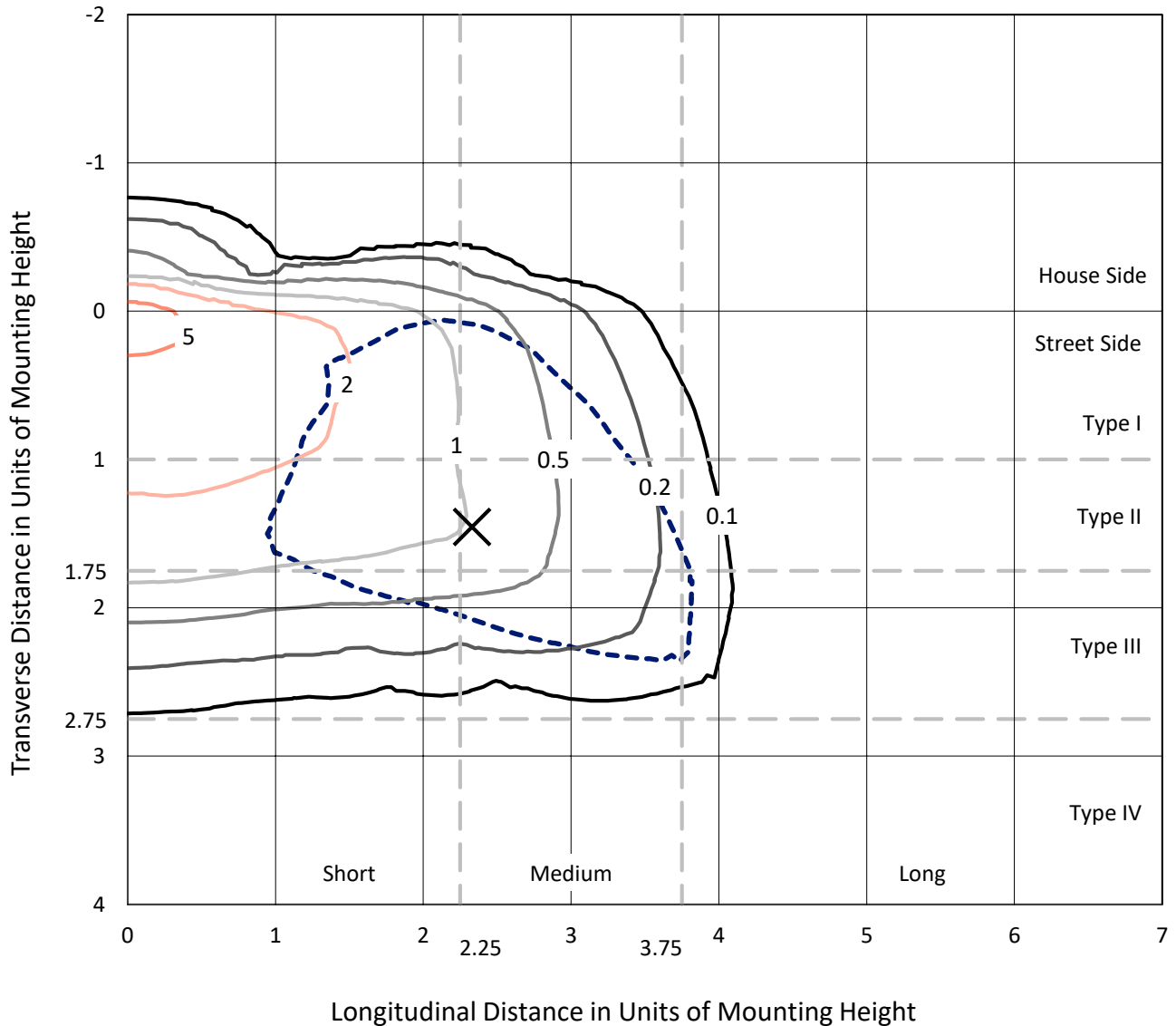
Input Watts (W): 124  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

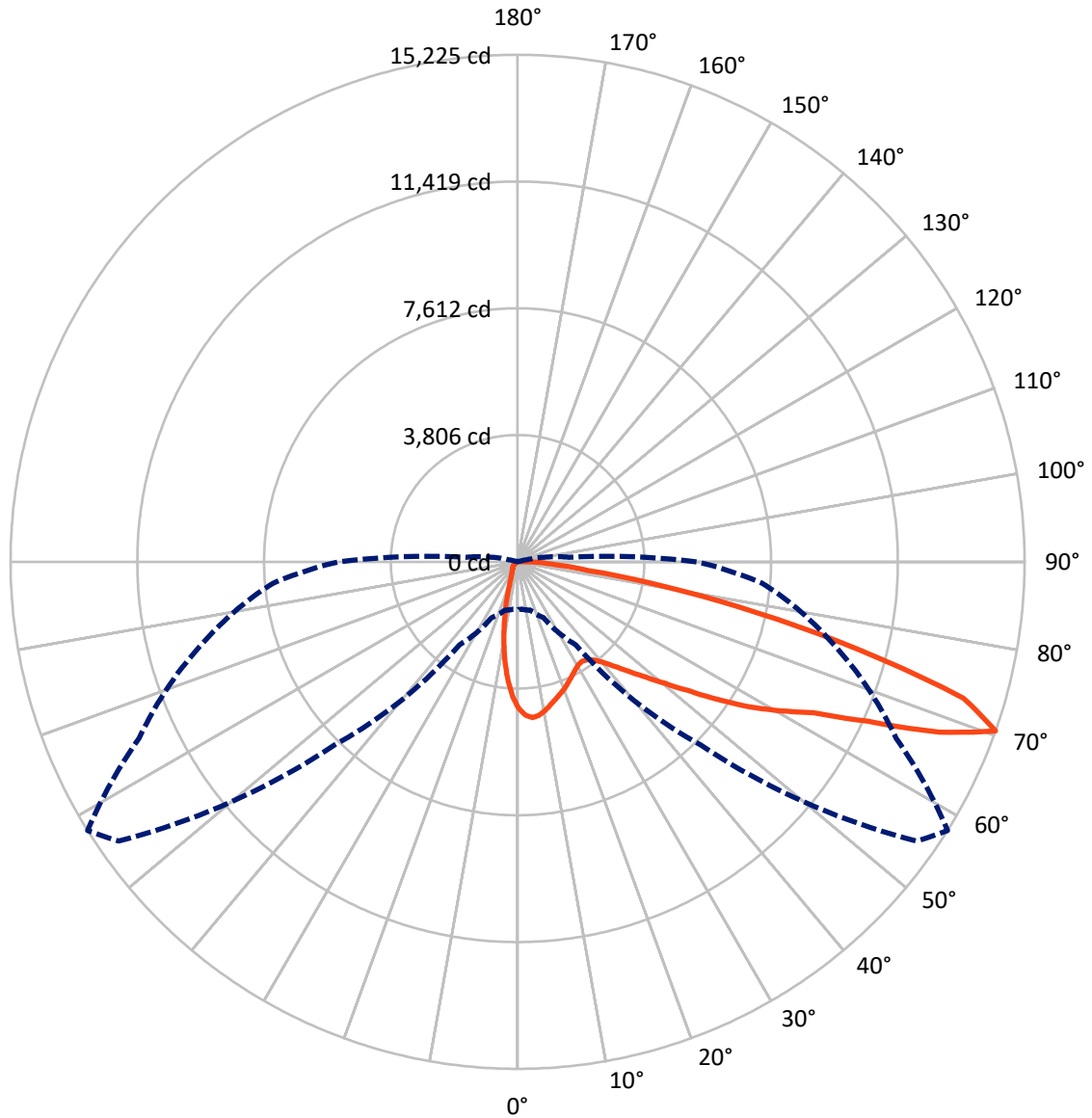
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 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	1275.5	0.0	1275.5
	% Fixture	8.6	0.0	8.6
<b>Street Side</b>	Lumens	13629.5	0.0	13629.5
	% Fixture	91.4	0.0	91.4
<b>Total</b>	Lumens	14905.0	0.0	14905.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	360.0	2.4
10°-20°	755.6	5.1
20°-30°	993.4	6.7
30°-40°	1315.7	8.8
40°-50°	1966.5	13.2
50°-60°	3150.3	21.1
60°-70°	3970.9	26.6
70°-80°	2141.9	14.4
80°-90°	250.7	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°	14905.0	100.0
0°-180°	14905.0	100.0

**Coefficient of Utilization**

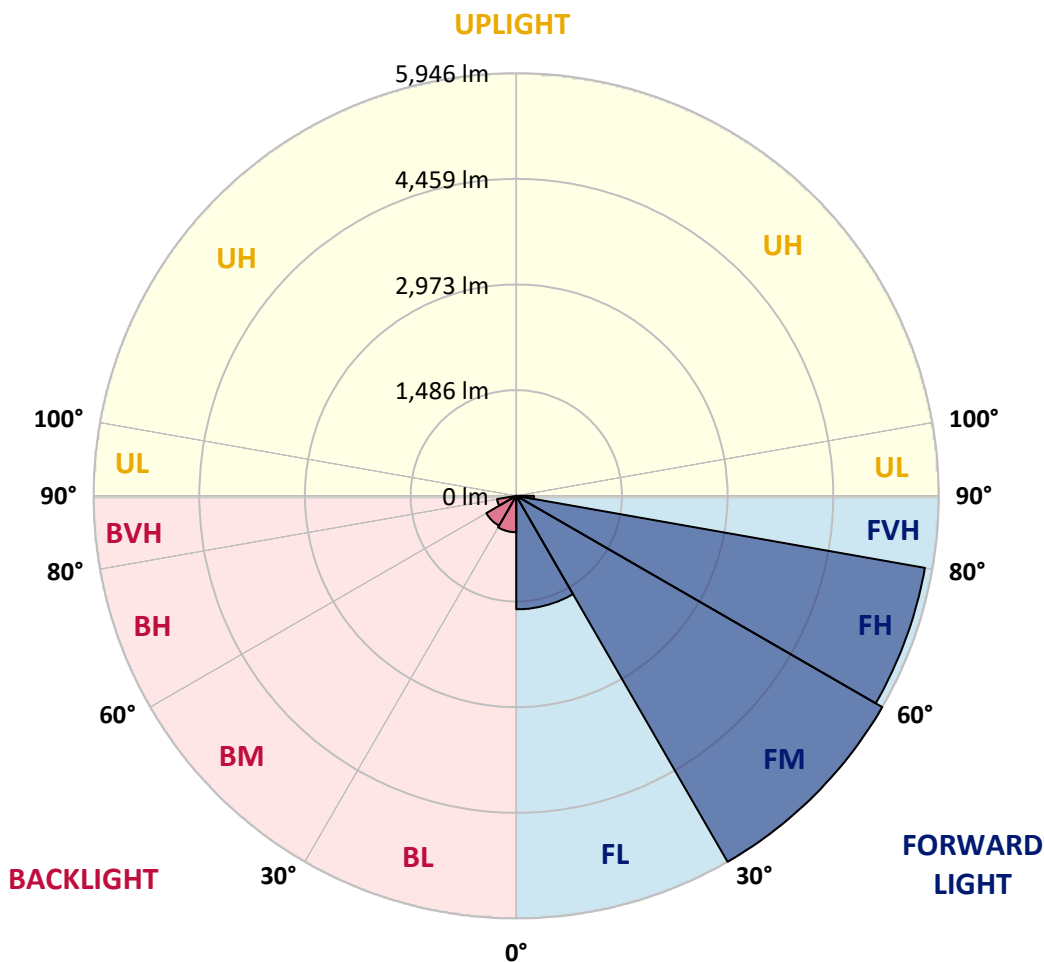


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1596.6	10.7			
FM (30°-60°)	5945.8	39.9			
FH (60°-80°)	5838.4	39.2			G3/7500
FVH (80°-90°)	248.5	1.7			G3/500
BL (0°-30°)	512.5	3.4	B2/1000		
BM (30°-60°)	486.6	3.3	B1/1000		
BH (60°-80°)	274.3	1.8	B1/500		G1/500
BVH (80°-90°)	2.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**  
 Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	4402.9	4402.9	4402.9	4402.9	4402.9	4402.9	4402.9	4402.9	4402.9	4402.9	4402.9
2.5°	4767.9	4756.1	4751.8	4744.4	4715.9	4688.0	4632.8	4617.3	4582.6	4500.2	4412.8
5°	4771.6	4771.0	4784.0	4780.9	4771.0	4758.0	4718.3	4697.9	4639.0	4521.2	4361.3
7.5°	4541.7	4553.5	4582.6	4606.2	4633.4	4668.7	4673.7	4653.9	4605.5	4478.5	4266.5
10°	4233.0	4251.6	4292.5	4339.0	4410.3	4481.0	4544.2	4541.7	4525.0	4399.8	4152.5
12.5°	3923.8	3945.5	3992.6	4061.4	4162.4	4277.7	4390.5	4406.0	4433.9	4329.1	4047.1
15°	3652.9	3671.5	3718.0	3802.3	3927.5	4082.4	4247.9	4276.4	4348.3	4274.0	3959.1
17.5°	3423.0	3434.8	3468.9	3562.5	3707.5	3895.3	4110.3	4166.1	4273.3	4230.6	3882.9
20°	3262.5	3264.3	3286.7	3352.4	3497.4	3707.5	3967.8	4047.7	4194.0	4193.4	3804.2
22.5°	3183.2	3177.0	3181.3	3219.1	3325.7	3528.4	3825.2	3920.1	4122.7	4161.8	3724.2
25°	3168.3	3163.3	3150.9	3155.9	3220.3	3371.6	3681.5	3791.2	4060.1	4142.6	3654.8
27.5°	3214.8	3219.7	3198.6	3176.3	3181.3	3269.9	3553.8	3680.8	4009.3	4142.6	3605.8
30°	3308.3	3310.8	3295.3	3266.2	3227.2	3241.4	3465.2	3592.2	3983.9	4171.1	3574.8
32.5°	3411.8	3425.5	3423.6	3400.1	3344.3	3286.7	3444.1	3560.0	3982.0	4234.3	3571.8
35°	3540.1	3555.6	3581.7	3576.7	3518.5	3423.6	3516.0	3607.1	4018.6	4338.4	3605.2
37.5°	3676.5	3700.0	3755.8	3782.5	3744.7	3637.4	3677.1	3742.2	4116.5	4507.0	3690.1
40°	3808.5	3835.2	3936.8	4041.5	4013.0	3902.7	3921.3	3973.4	4290.7	4749.3	3851.3
42.5°	3938.0	3977.7	4127.1	4299.4	4333.5	4245.4	4255.4	4296.9	4549.1	5082.8	4114.7
45°	4093.0	4137.6	4358.9	4571.4	4662.6	4624.1	4666.3	4693.5	4886.9	5523.4	4469.8
47.5°	4320.4	4371.9	4643.3	4885.7	5045.6	5070.4	5155.3	5173.2	5313.9	6036.6	4932.8
50°	4764.2	4778.4	5023.9	5243.9	5474.5	5623.2	5719.9	5733.5	5830.8	6597.5	5511.0
52.5°	5322.6	5331.9	5470.7	5618.2	5880.4	6184.1	6410.3	6429.5	6450.0	7144.1	6081.8
55°	5877.3	5876.1	5967.8	6054.6	6354.5	6795.8	7286.7	7298.4	7151.6	7662.9	6518.2
57.5°	6223.8	6257.2	6396.7	6508.2	6927.2	7493.1	8174.2	8217.6	7888.5	8047.1	6949.5
60°	6113.4	6129.6	6438.8	6851.6	7640.6	8484.1	9072.2	9083.4	8442.5	8430.8	7494.9
62.5°	5208.6	5217.2	5703.1	6554.1	8001.9	9769.5	10155.6	9974.0	9079.7	8963.2	8147.5
65°	3569.9	3626.3	4032.2	5084.0	7338.1	10575.8	11832.7	11532.1	10050.9	9730.4	8737.6
67.5°	2102.3	2090.5	2291.3	3066.0	5389.5	10040.3	13954.2	13655.5	11375.3	10244.2	8564.6
70°	1436.0	1428.0	1504.8	1856.2	3042.5	7788.7	14621.7	15224.7	12544.8	9898.4	7371.0
72.5°	1025.1	1029.4	1142.9	1442.2	1910.1	4538.0	12574.0	14001.3	12178.5	8629.1	5602.7
75°	696.0	707.8	870.2	1183.1	1674.6	2308.7	8922.9	10643.4	9917.0	6271.5	3220.3
77.5°	374.3	387.4	578.9	953.2	1514.1	1604.0	5739.7	7325.1	6229.3	2819.3	933.4
80°	156.2	163.6	270.8	692.9	1308.3	1408.7	3377.1	4441.9	2654.5	555.9	208.2
82.5°	67.6	71.3	112.8	413.4	978.0	1189.3	1788.0	2137.0	804.5	122.1	104.7
85°	13.0	13.6	46.5	218.8	624.1	671.2	1159.0	1136.0	361.3	52.7	76.2
87.5°	0.0	0.0	11.2	68.8	183.5	365.7	707.2	698.5	122.7	25.4	28.5
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°	4402.9	4402.9	4402.9	4402.9	4402.9	4402.9	4402.9	4402.9	4402.9	4402.9	4402.9
2.5°	4368.2	4325.4	4235.5	4124.6	4039.7	3946.1	3871.7	3777.5	3736.6	3738.5	3716.2
5°	4270.2	4182.2	3983.3	3732.3	3538.9	3339.3	3167.7	2996.6	2895.6	2862.7	2831.7
7.5°	4130.2	3990.7	3673.4	3286.7	2959.4	2639.6	2361.3	2116.5	1961.6	1886.0	1858.1
10°	3972.1	3776.3	3317.0	2807.6	2340.3	1907.7	1547.0	1233.3	1108.2	1023.2	1001.6
12.5°	3833.3	3568.0	2968.7	2316.1	1761.4	1239.5	895.6	700.3	615.4	582.0	576.4
15°	3702.5	3373.4	2633.4	1871.1	1219.7	762.9	569.6	503.3	483.4	477.8	477.8
17.5°	3579.2	3188.1	2305.6	1432.9	806.9	534.9	471.6	456.8	450.6	450.0	450.6
20°	3450.3	3002.8	1983.3	1049.9	563.4	453.1	435.7	427.6	425.8	425.8	425.8
22.5°	3326.9	2817.5	1669.7	749.9	451.8	413.4	404.7	399.1	397.3	396.7	395.4
25°	3208.6	2641.5	1363.5	529.9	396.7	378.7	371.2	363.8	358.2	355.1	353.3
27.5°	3111.3	2484.7	1078.4	425.2	358.2	342.7	333.4	322.3	308.6	302.4	300.0
30°	3033.8	2341.5	831.1	358.8	322.3	306.8	292.5	273.3	253.5	243.0	242.3
32.5°	2973.1	2200.8	630.9	317.3	290.1	270.8	250.4	226.2	203.3	191.5	190.9
35°	2943.3	2076.9	482.2	287.0	261.5	237.4	212.0	185.3	163.0	151.8	150.6
37.5°	2963.1	1972.1	376.2	261.5	237.4	209.5	179.7	151.8	132.0	122.1	121.5
40°	3035.6	1905.2	305.5	239.9	216.9	182.8	150.6	124.6	107.8	99.8	99.2
42.5°	3190.0	1880.4	260.9	221.9	197.1	158.0	125.2	102.9	87.4	81.8	80.6
45°	3447.8	1917.0	230.6	204.5	176.6	134.5	103.5	84.3	70.7	66.3	65.7
47.5°	3791.2	2013.0	208.9	187.8	158.0	113.4	86.1	68.2	57.6	53.3	52.7
50°	4233.7	2165.5	190.9	171.1	140.7	96.1	71.3	53.9	44.6	41.5	41.5
52.5°	4715.2	2347.1	174.8	155.6	123.3	80.0	57.6	41.5	35.3	31.6	31.6
55°	5113.1	2505.7	157.4	143.8	102.3	66.3	44.0	31.6	26.0	24.2	24.2
57.5°	5510.4	2674.9	137.6	123.3	81.8	53.9	33.5	23.6	19.2	18.0	18.0
60°	6025.4	2881.9	118.4	100.4	64.5	40.9	24.8	16.7	14.3	13.6	13.6
62.5°	6591.9	3003.4	101.0	80.6	50.2	30.4	18.0	11.2	10.5	10.5	9.9
65°	6938.4	2831.7	84.9	64.5	39.0	22.9	11.8	8.1	9.3	8.7	7.4
67.5°	6496.5	2216.9	69.4	50.2	30.4	17.4	7.4	5.6	9.9	8.1	6.2
70°	5379.0	1551.9	53.9	35.3	24.2	14.9	5.0	3.7	10.5	8.1	5.0
72.5°	4025.4	1038.7	42.8	23.6	18.0	13.0	4.3	1.9	9.3	6.8	4.3
75°	2199.6	418.3	34.1	14.9	11.2	9.3	3.1	1.2	6.2	5.0	3.1
77.5°	578.9	110.3	24.8	9.9	6.2	3.7	1.9	0.6	3.1	2.5	1.2
80°	147.5	42.8	16.1	6.8	4.3	1.9	0.0	0.0	0.6	0.0	0.0
82.5°	78.7	18.0	9.9	5.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	59.5	11.8	5.6	3.1	0.6	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	22.9	3.7	1.9	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)