

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: P324757

Luminaire Tested: **GAN-SA3B-730-U-AFL-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P324757  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA3B-730-U-AFL-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE  
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13006 lumens  
Efficiency: N/A  
Efficacy: 104.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

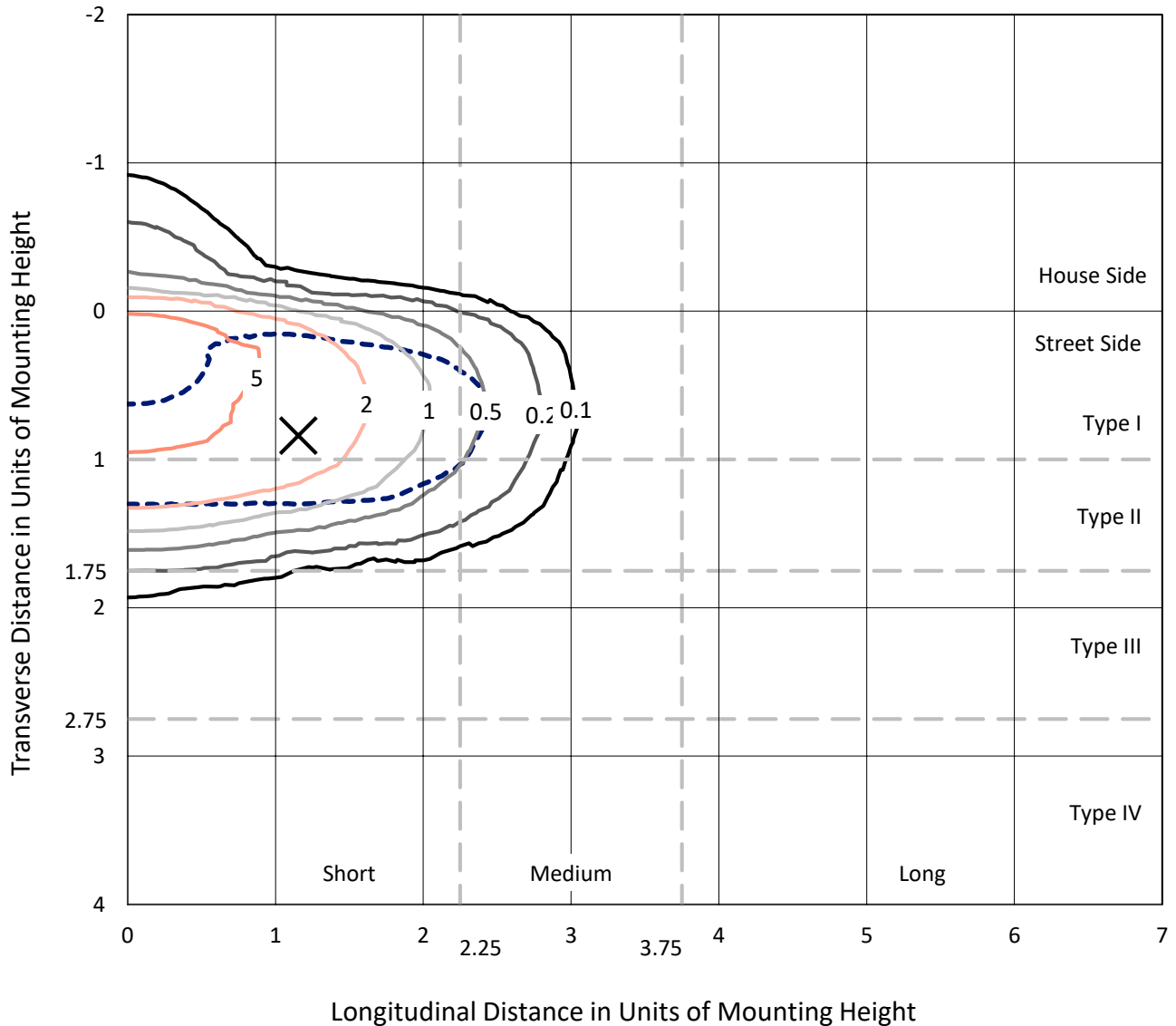
Input Watts (W): 124  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

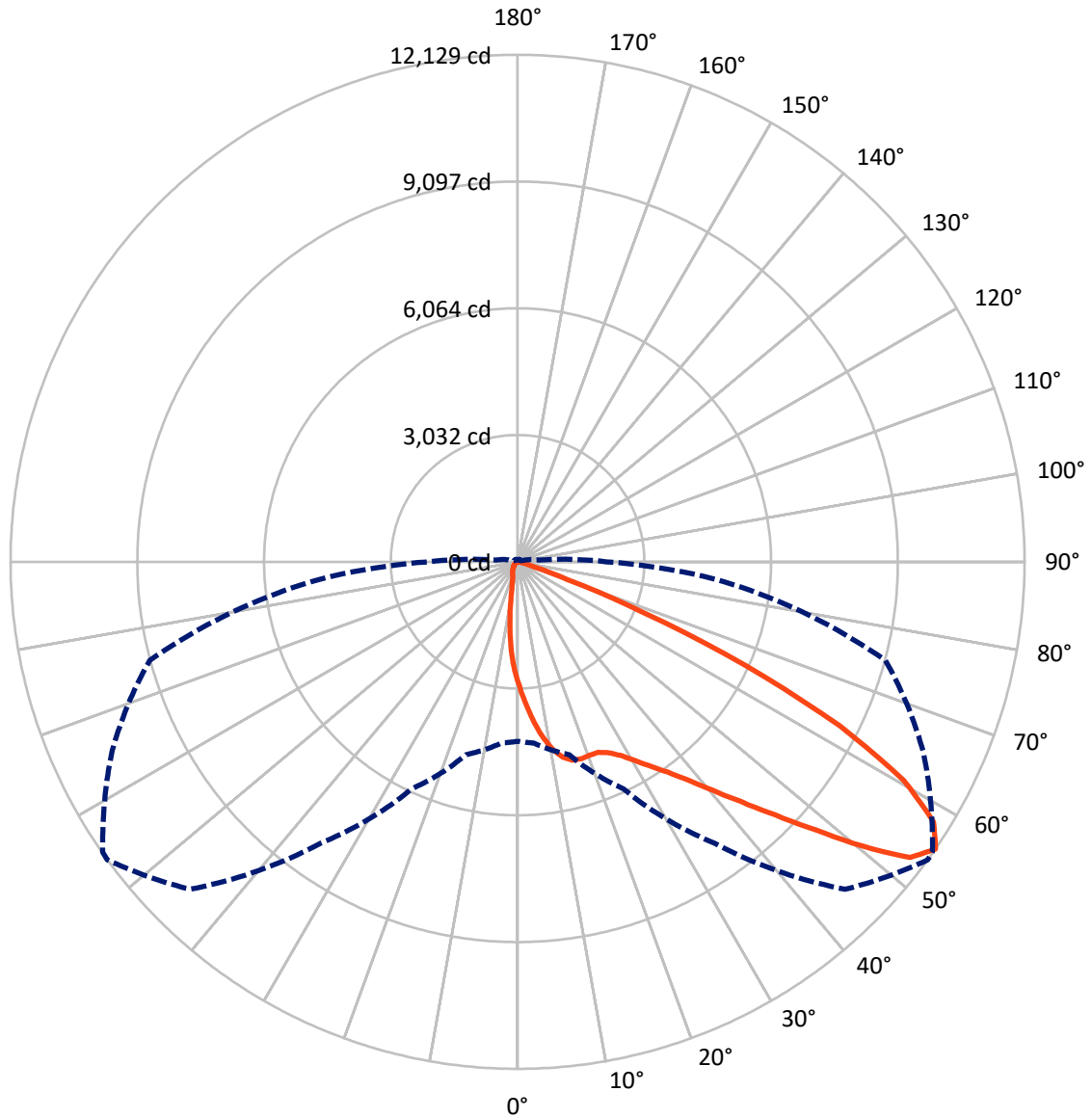
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral      - - - Horizontal Cone Through 55-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	648.9	0.0	648.9
	% Fixture	5.0	0.0	5.0
<b>Street Side</b>	Lumens	12357.1	0.0	12357.1
	% Fixture	95.0	0.0	95.0
<b>Total</b>	Lumens	13006.0	0.0	13006.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	268.2	2.1
10°-20°	735.7	5.7
20°-30°	1256.0	9.7
30°-40°	2015.7	15.5
40°-50°	3221.0	24.8
50°-60°	3451.4	26.5
60°-70°	1772.1	13.6
70°-80°	268.4	2.1
80°-90°	17.5	0.1
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°	13006.0	100.0
0°-180°	13006.0	100.0

**Coefficient of Utilization**

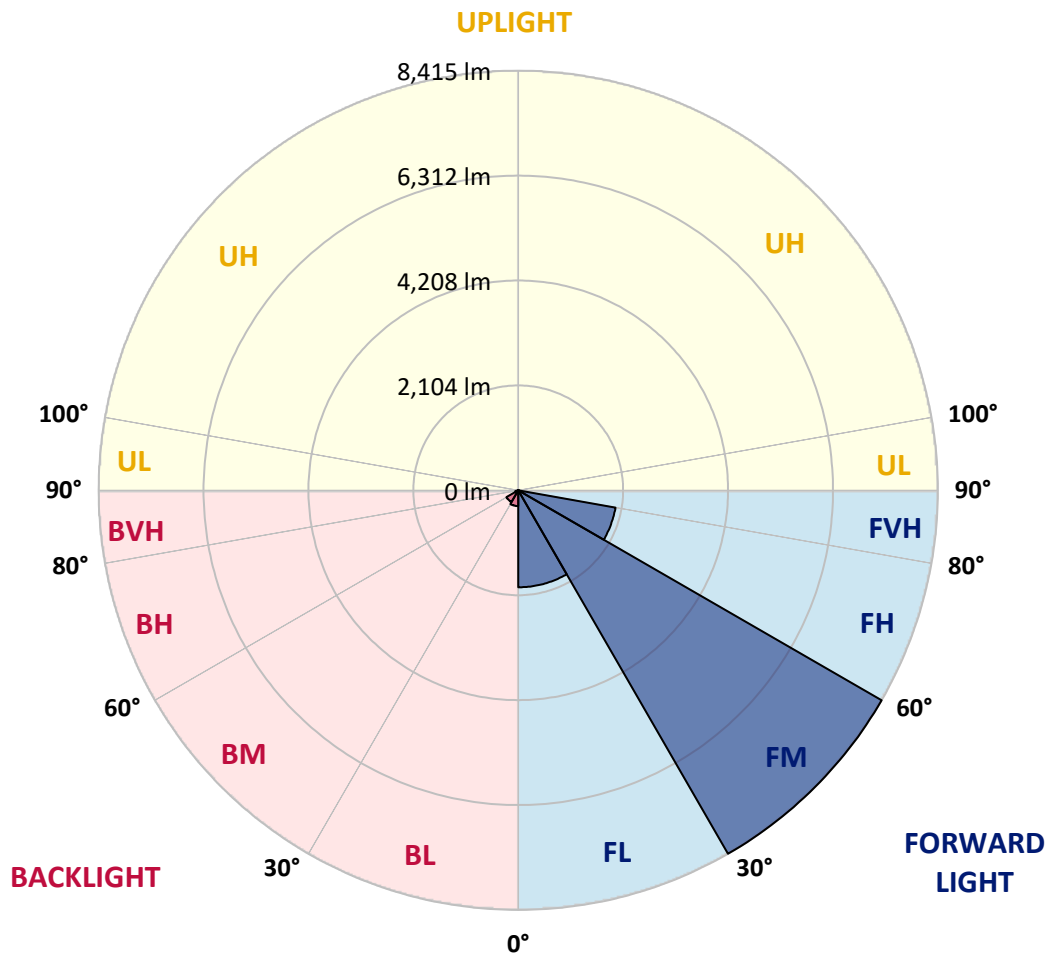


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1944.2	14.9			
FM (30°-60°)	8415.5	64.7			
FH (60°-80°)	1980.7	15.2			G2/5000
FVH (80°-90°)	16.8	0.1			G1/100
BL (0°-30°)	315.7	2.4	B1/500		
BM (30°-60°)	272.7	2.1	B1/1000		
BH (60°-80°)	59.8	0.5	B0/110		G0/110
BVH (80°-90°)	0.7	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°	54°	55°	65°	75°	85°
0°	2912.8	2912.8	2912.8	2912.8	2912.8	2912.8	2912.8	2912.8	2912.8	2912.8	2912.8
2.5°	3655.4	3600.9	3602.6	3577.8	3487.4	3416.6	3343.1	3325.6	3211.1	3090.9	2975.2
5°	4287.2	4247.4	4237.8	4190.1	4064.2	3931.1	3788.5	3755.3	3531.2	3285.2	3043.1
7.5°	4611.9	4612.4	4604.6	4587.2	4508.5	4379.3	4205.2	4170.4	3865.4	3496.4	3113.9
10°	4517.5	4538.9	4582.7	4640.5	4700.6	4684.3	4553.5	4522.0	4190.6	3719.9	3192.5
12.5°	4297.3	4300.1	4349.0	4443.9	4616.9	4794.4	4796.7	4786.0	4501.2	3953.6	3279.0
15°	4187.8	4198.5	4216.5	4277.7	4441.7	4725.9	4929.2	4944.4	4786.0	4201.9	3371.1
17.5°	4259.7	4274.9	4259.7	4267.0	4361.9	4617.5	4952.2	4991.0	5034.8	4447.3	3458.2
20°	4454.6	4468.6	4441.7	4411.9	4430.5	4586.0	4936.0	4988.2	5229.7	4665.2	3531.2
22.5°	4717.5	4723.1	4682.1	4633.2	4619.7	4692.8	4949.4	5003.4	5385.9	4862.4	3577.3
25°	5006.7	5011.8	4960.7	4904.5	4872.5	4902.3	5060.1	5100.5	5523.5	5050.5	3603.7
27.5°	5321.8	5326.3	5262.3	5193.2	5156.1	5157.3	5242.6	5285.9	5670.1	5265.1	3625.0
30°	5654.9	5652.6	5593.7	5497.6	5450.4	5449.3	5505.5	5549.3	5882.4	5540.3	3654.2
32.5°	6029.0	6024.5	5940.8	5821.7	5768.4	5776.2	5826.2	5851.5	6145.8	5833.5	3706.5
35°	6521.6	6508.6	6382.3	6234.5	6136.2	6133.4	6175.6	6195.8	6481.7	6188.5	3793.5
37.5°	7160.7	7148.9	6977.6	6763.1	6624.9	6573.2	6623.2	6649.1	6960.8	6644.0	3933.4
40°	7790.9	7779.1	7677.5	7480.9	7268.0	7143.9	7183.2	7210.7	7559.0	7196.7	4109.7
42.5°	8225.7	8235.8	8271.2	8287.4	8088.1	7827.4	7845.4	7874.1	8187.5	7787.6	4311.4
45°	8340.2	8362.1	8562.1	8954.7	9029.4	8826.1	8637.9	8653.7	8826.1	8378.4	4513.0
47.5°	7995.9	8036.4	8422.2	9152.4	9784.9	9928.6	9572.5	9551.8	9438.9	8856.4	4656.2
50°	7213.5	7250.6	7750.5	8830.6	10014.0	10981.2	10692.5	10631.3	9976.4	9142.3	4706.8
52.5°	6081.2	6126.1	6532.2	7817.3	9582.1	11450.8	11753.0	11701.8	10370.7	9164.8	4715.2
55°	4294.5	4349.0	4778.7	5991.3	8213.3	11077.3	12128.7	12113.5	10698.1	9105.2	4733.2
57.5°	2413.5	2452.8	2916.2	3840.7	6015.5	9648.4	11736.1	11836.6	10895.8	9001.9	4760.2
60°	1071.7	1082.3	1322.2	1911.9	3521.7	7373.6	10612.2	10781.8	10726.2	8863.7	4805.7
62.5°	594.2	585.3	585.3	794.8	1530.6	4564.7	8653.7	8933.9	10002.2	8700.3	4807.9
65°	465.6	457.2	433.0	436.4	583.0	2025.9	5992.5	6490.7	8627.3	8221.2	4646.1
67.5°	394.9	387.6	363.4	353.9	362.3	668.4	3292.5	3809.8	6546.3	6975.9	4024.4
70°	333.6	328.6	316.2	304.4	283.1	330.3	1259.8	1611.4	4033.9	4640.5	2747.1
72.5°	268.5	266.2	270.7	260.6	234.8	220.2	430.8	521.8	1811.9	2070.9	1131.8
75°	231.4	230.3	232.5	222.4	193.2	153.3	219.1	239.3	511.1	506.6	229.2
77.5°	150.5	152.2	192.7	188.2	166.3	102.2	113.5	122.4	155.0	116.3	69.6
80°	96.0	94.9	97.7	156.1	149.4	78.1	56.7	59.5	74.7	57.3	33.7
82.5°	58.4	57.3	64.0	73.0	75.3	54.5	34.8	35.4	46.6	37.1	18.0
85°	5.1	6.7	38.8	35.9	25.8	16.9	16.9	18.0	24.7	21.9	10.1
87.5°	0.0	0.0	6.7	10.1	5.6	6.2	6.2	6.7	9.5	9.5	5.1
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°	2912.8	2912.8	2912.8	2912.8	2912.8	2912.8	2912.8	2912.8	2912.8	2912.8	2912.8
2.5°	2915.1	2856.7	2738.7	2625.2	2529.2	2436.5	2330.9	2226.5	2177.6	2157.9	2137.7
5°	2920.1	2799.9	2556.7	2311.8	2058.0	1829.4	1634.5	1434.5	1334.5	1290.7	1270.5
7.5°	2926.9	2743.8	2350.6	1939.4	1530.6	1220.5	949.8	775.7	700.4	688.6	659.4
10°	2928.0	2675.8	2111.3	1528.3	1026.2	735.8	566.2	476.3	443.2	437.5	428.0
12.5°	2930.2	2595.5	1845.6	1131.8	684.1	492.0	409.5	379.7	370.7	370.1	370.1
15°	2937.0	2511.2	1569.9	815.5	491.5	389.8	359.5	347.7	344.3	346.0	345.4
17.5°	2937.0	2411.8	1299.1	607.7	397.1	350.5	333.6	325.8	324.6	326.3	326.9
20°	2915.6	2291.1	1050.9	472.9	352.2	325.2	310.0	302.7	299.9	301.1	301.6
22.5°	2864.5	2142.8	848.7	391.5	322.4	302.2	285.9	274.7	270.2	270.7	270.7
25°	2784.8	1967.0	663.9	338.7	298.2	277.5	258.4	245.4	242.6	242.1	243.2
27.5°	2682.5	1772.6	528.5	298.2	269.6	249.9	230.8	220.2	217.9	218.5	219.1
30°	2582.0	1571.0	416.8	264.0	237.6	219.1	204.4	199.4	199.4	201.1	201.6
32.5°	2489.9	1377.2	329.7	234.2	208.9	192.1	183.7	183.1	185.9	187.0	187.6
35°	2410.7	1198.0	273.0	211.2	186.5	171.9	169.1	171.3	174.7	176.9	177.5
37.5°	2354.5	1038.0	238.7	192.1	169.1	157.3	156.7	161.2	165.7	170.7	171.9
40°	2330.9	902.6	215.1	175.2	155.0	146.0	144.3	150.5	159.0	166.3	167.4
42.5°	2311.3	792.0	194.9	159.0	143.8	130.9	130.3	138.2	148.3	155.6	157.3
45°	2294.4	703.2	176.4	141.5	129.2	112.3	114.0	124.1	132.0	139.9	141.5
47.5°	2259.6	630.2	156.1	123.0	106.7	96.0	99.4	108.4	114.6	126.4	128.1
50°	2197.3	570.7	135.4	100.5	87.1	83.1	88.2	94.4	102.2	112.3	113.5
52.5°	2155.1	525.7	117.4	84.3	71.9	73.0	78.1	80.3	84.8	88.7	87.6
55°	2131.0	501.0	102.8	73.0	61.2	64.6	65.7	62.9	60.7	56.7	55.0
57.5°	2128.2	478.5	91.6	63.5	53.9	55.6	51.7	42.1	34.3	29.8	28.6
60°	2123.7	451.0	82.6	53.4	47.7	45.5	37.1	23.0	16.3	15.2	15.2
62.5°	2074.8	408.3	75.8	44.9	40.4	34.3	21.3	10.7	9.0	9.5	9.5
65°	1919.2	348.8	69.1	36.5	32.0	24.7	10.7	6.2	3.4	3.9	3.9
67.5°	1631.7	278.0	61.8	28.1	24.2	15.7	6.2	2.8	0.0	0.0	0.0
70°	1092.4	172.4	52.2	19.7	15.7	9.5	4.5	0.6	0.0	0.0	0.0
72.5°	419.0	93.2	42.1	11.8	10.1	6.7	2.8	0.0	0.0	0.0	0.0
75°	94.4	61.2	29.2	8.4	7.3	4.5	1.1	0.0	0.0	0.0	0.0
77.5°	35.9	44.4	16.9	5.6	5.1	2.8	0.0	0.0	0.0	0.0	0.0
80°	17.4	26.4	7.9	3.4	2.8	1.1	0.0	0.0	0.0	0.0	0.0
82.5°	9.0	10.1	3.4	1.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	5.1	5.1	1.7	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	1.7	0.6	0.6	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)