

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: P323478

Luminaire Tested: **GAN-SA4B-730-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323478
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-SA4B-730-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 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: 17935 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

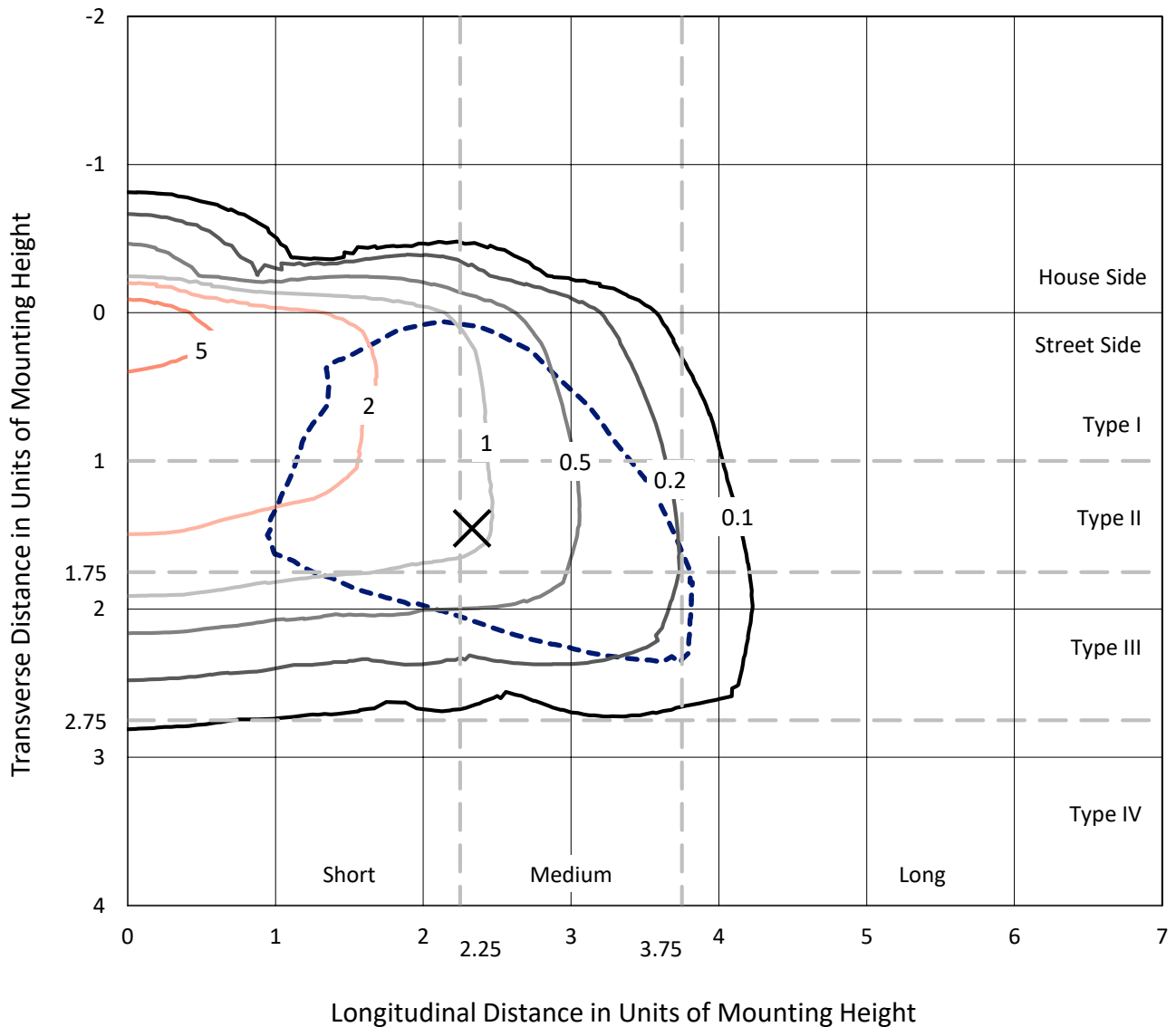
Input Watts (W): 171
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P323478
 CATALOG NUMBER: GAN-SA4B-730-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

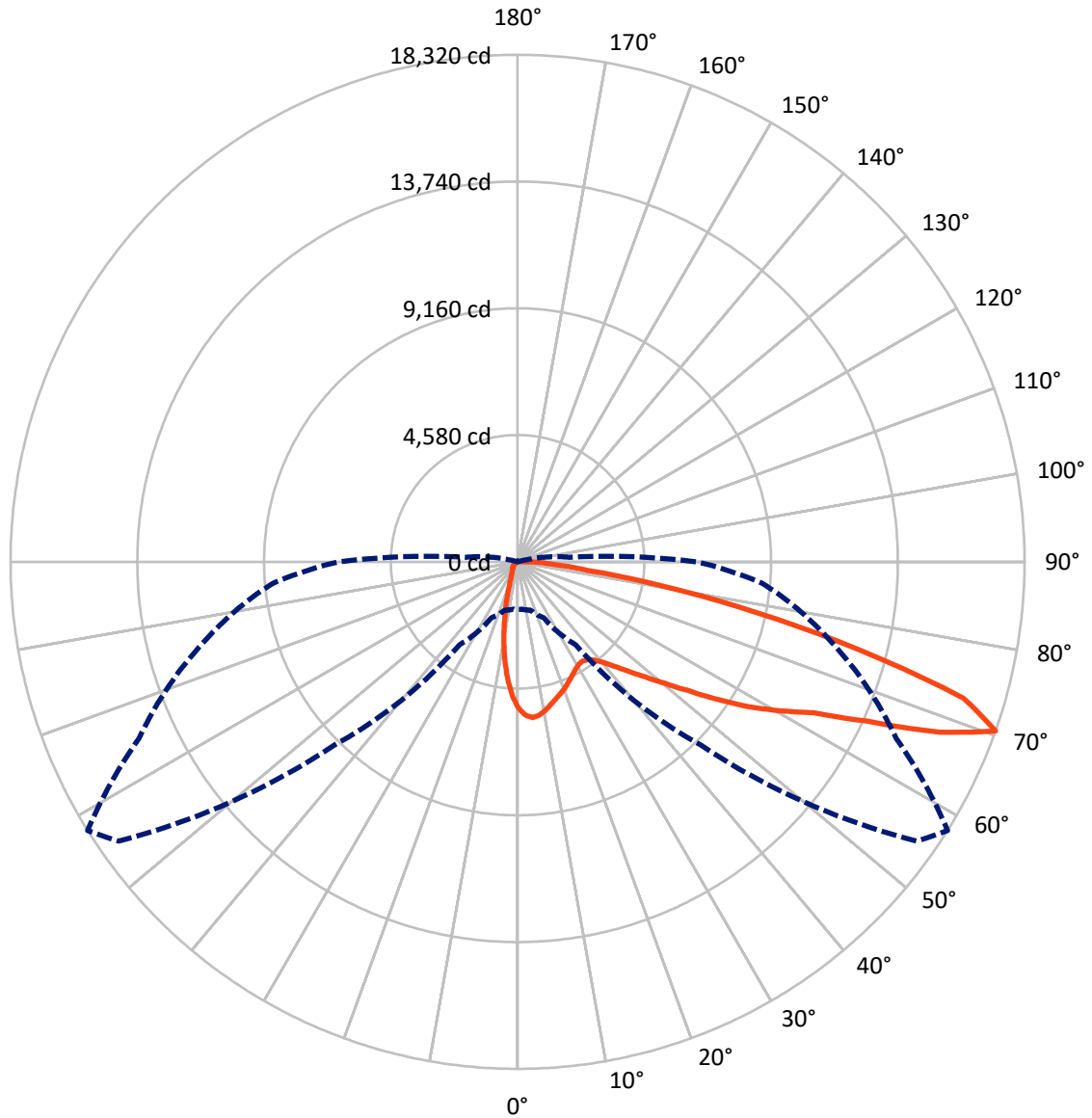
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P323478
CATALOG NUMBER: GAN-SA4B-730-U-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P323478
 CATALOG NUMBER: GAN-SA4B-730-U-SL3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1534.8	0.0	1534.8
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	16400.2	0.0	16400.2
	% Fixture	91.4	0.0	91.4
Total	Lumens	17935.0	0.0	17935.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.2	2.4
10°-20°	909.3	5.1
20°-30°	1195.4	6.7
30°-40°	1583.1	8.8
40°-50°	2366.3	13.2
50°-60°	3790.7	21.1
60°-70°	4778.1	26.6
70°-80°	2577.3	14.4
80°-90°	301.7	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°	17935.0	100.0
0°-180°	17935.0	100.0

Coefficient of Utilization

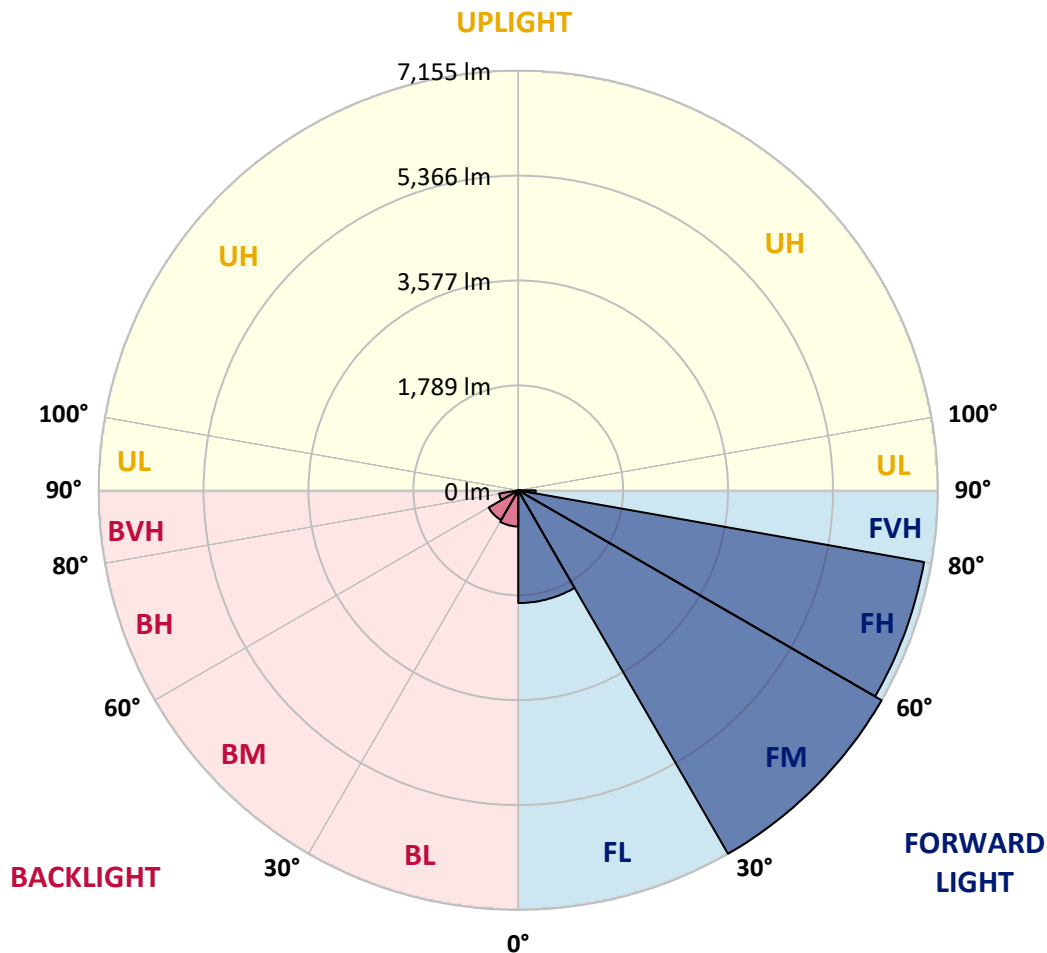


REPORT NUMBER: P323478
 CATALOG NUMBER: GAN-SA4B-730-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1921.2	10.7			
FM (30°-60°)	7154.5	39.9			
FH (60°-80°)	7025.3	39.2			G3/7500
FVH (80°-90°)	299.1	1.7			G3/500
BL (0°-30°)	616.6	3.4	B2/1000		
BM (30°-60°)	585.5	3.3	B1/1000		
BH (60°-80°)	330.1	1.8	B1/500		G1/500
BVH (80°-90°)	2.6	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





REPORT NUMBER: P323478

CATALOG NUMBER: GAN-SA4B-730-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	5297.9	5297.9	5297.9	5297.9	5297.9	5297.9	5297.9	5297.9	5297.9	5297.9	5297.9
2.5°	5737.2	5723.0	5717.8	5708.8	5674.5	5641.0	5574.6	5555.9	5514.2	5415.0	5309.8
5°	5741.6	5740.9	5756.6	5752.8	5740.9	5725.2	5677.5	5652.9	5582.1	5440.4	5247.9
7.5°	5465.0	5479.1	5514.2	5542.5	5575.3	5617.8	5623.8	5599.9	5541.8	5388.9	5133.8
10°	5093.6	5115.9	5165.2	5221.1	5306.9	5391.9	5467.9	5465.0	5444.8	5294.2	4996.6
12.5°	4721.4	4747.5	4804.2	4887.0	5008.6	5147.3	5283.0	5301.6	5335.2	5209.2	4869.8
15°	4395.5	4417.9	4473.8	4575.3	4725.9	4912.4	5111.5	5145.8	5232.3	5142.8	4763.9
17.5°	4118.9	4133.0	4174.0	4286.7	4461.2	4687.1	4945.9	5013.0	5142.0	5090.6	4672.2
20°	3925.7	3927.9	3954.8	4033.8	4208.4	4461.2	4774.4	4870.6	5046.6	5045.8	4577.5
22.5°	3830.2	3822.8	3828.0	3873.5	4001.8	4245.6	4602.9	4717.0	4960.8	5007.8	4481.3
25°	3812.4	3806.4	3791.5	3797.4	3875.0	4057.0	4429.8	4561.8	4885.5	4984.7	4397.8
27.5°	3868.3	3874.2	3848.9	3822.0	3828.0	3934.7	4276.2	4429.1	4824.4	4984.7	4338.9
30°	3980.9	3983.9	3965.2	3930.2	3883.2	3900.4	4169.6	4322.5	4793.8	5019.0	4301.6
32.5°	4105.4	4121.8	4119.6	4091.3	4024.1	3954.8	4144.2	4283.7	4791.5	5095.1	4297.8
35°	4259.8	4278.5	4309.8	4303.8	4233.7	4119.6	4230.7	4340.4	4835.5	5220.4	4338.1
37.5°	4423.9	4452.2	4519.3	4551.4	4505.9	4376.9	4424.6	4502.9	4953.4	5423.2	4440.3
40°	4582.7	4614.8	4737.1	4863.1	4828.8	4696.1	4718.5	4781.1	5162.9	5714.8	4634.2
42.5°	4738.6	4786.3	4966.0	5173.4	5214.4	5108.5	5120.4	5170.4	5473.9	6116.0	4951.1
45°	4925.0	4978.7	5245.0	5500.8	5610.4	5564.2	5614.9	5647.7	5880.4	6646.3	5378.5
47.5°	5198.7	5260.6	5587.3	5878.9	6071.3	6101.1	6203.3	6224.9	6394.2	7263.8	5935.5
50°	5732.7	5749.8	6045.2	6309.9	6587.3	6766.3	6882.7	6899.1	7016.2	7938.7	6631.3
52.5°	6404.6	6415.8	6582.9	6760.4	7075.8	7441.2	7713.4	7736.6	7761.2	8596.4	7318.2
55°	7072.1	7070.6	7181.0	7285.4	7646.3	8177.3	8768.0	8782.1	8605.4	9220.6	7843.2
57.5°	7489.0	7529.2	7697.0	7831.3	8335.4	9016.3	9835.9	9888.1	9492.1	9683.0	8362.3
60°	7356.2	7375.6	7747.8	8244.4	9193.8	10208.8	10916.5	10929.9	10158.8	10144.6	9018.5
62.5°	6267.4	6277.8	6862.5	7886.5	9628.6	11755.5	12220.1	12001.6	10925.5	10785.3	9803.8
65°	4295.6	4363.5	4851.9	6117.5	8829.9	12725.7	14238.1	13876.4	12094.1	11708.5	10513.8
67.5°	2529.6	2515.5	2757.1	3689.3	6485.2	12081.4	16790.9	16431.4	13687.8	12326.7	10305.7
70°	1727.9	1718.2	1810.7	2233.6	3661.0	9372.0	17594.1	18319.7	15095.0	11910.6	8869.4
72.5°	1233.5	1238.7	1375.2	1735.4	2298.4	5460.5	15130.1	16847.6	14654.3	10383.3	6741.7
75°	837.5	851.7	1047.1	1423.7	2015.1	2778.0	10736.8	12807.0	11933.0	7546.4	3875.0
77.5°	450.4	466.1	696.5	1147.0	1821.9	1930.0	6906.5	8814.2	7495.7	3392.5	1123.1
80°	187.9	196.9	325.9	833.8	1574.3	1695.1	4063.7	5344.9	3194.1	669.0	250.6
82.5°	81.3	85.8	135.7	497.4	1176.8	1431.1	2151.5	2571.4	968.0	146.9	126.0
85°	15.7	16.4	55.9	263.3	751.0	807.7	1394.6	1367.0	434.8	63.4	91.7
87.5°	0.0	0.0	13.4	82.8	220.7	440.0	850.9	840.5	147.7	30.6	34.3
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: P323478
 CATALOG NUMBER: GAN-SA4B-730-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5297.9	5297.9	5297.9	5297.9	5297.9	5297.9	5297.9	5297.9	5297.9	5297.9	5297.9
2.5°	5256.2	5204.7	5096.6	4963.1	4860.9	4748.3	4658.8	4545.4	4496.2	4498.5	4471.6
5°	5138.3	5032.4	4793.0	4491.0	4258.3	4018.2	3811.6	3605.8	3484.2	3444.7	3407.4
7.5°	4969.8	4802.0	4420.1	3954.8	3561.0	3176.2	2841.4	2546.8	2360.3	2269.4	2235.8
10°	4779.6	4543.9	3991.3	3378.3	2816.0	2295.5	1861.4	1484.1	1333.4	1231.3	1205.2
12.5°	4612.6	4293.4	3572.2	2786.9	2119.5	1491.5	1077.6	842.7	740.5	700.3	693.6
15°	4455.2	4059.2	3168.8	2251.5	1467.7	918.0	685.4	605.6	581.7	575.0	575.0
17.5°	4306.8	3836.2	2774.2	1724.2	971.0	643.6	567.5	549.6	542.2	541.4	542.2
20°	4151.7	3613.2	2386.4	1263.3	677.9	545.2	524.3	514.6	512.3	512.3	512.3
22.5°	4003.3	3390.2	2009.1	902.4	543.7	497.4	487.0	480.3	478.0	477.3	475.8
25°	3860.8	3178.5	1640.7	637.6	477.3	455.7	446.7	437.8	431.1	427.3	425.1
27.5°	3743.7	2989.8	1297.6	511.6	431.1	412.4	401.2	387.8	371.4	363.9	361.0
30°	3650.5	2817.5	1000.1	431.8	387.8	369.2	352.0	328.9	305.0	292.3	291.6
32.5°	3577.4	2648.2	759.2	381.8	349.0	325.9	301.3	272.2	244.6	230.4	229.7
35°	3541.6	2499.1	580.2	345.3	314.7	285.6	255.1	223.0	196.1	182.7	181.2
37.5°	3565.5	2373.0	452.7	314.7	285.6	252.1	216.3	182.7	158.8	146.9	146.2
40°	3652.8	2292.5	367.7	288.6	261.0	220.0	181.2	149.9	129.8	120.1	119.3
42.5°	3838.5	2262.7	314.0	267.0	237.2	190.2	150.6	123.8	105.2	98.4	96.9
45°	4148.7	2306.7	277.4	246.1	212.5	161.8	124.5	101.4	85.0	79.8	79.1
47.5°	4561.8	2422.2	251.3	226.0	190.2	136.5	103.7	82.0	69.4	64.1	63.4
50°	5094.3	2605.7	229.7	205.8	169.3	115.6	85.8	64.9	53.7	50.0	50.0
52.5°	5673.8	2824.2	210.3	187.2	148.4	96.2	69.4	50.0	42.5	38.0	38.0
55°	6152.6	3015.1	189.4	173.0	123.1	79.8	52.9	38.0	31.3	29.1	29.1
57.5°	6630.6	3218.7	165.6	148.4	98.4	64.9	40.3	28.3	23.1	21.6	21.6
60°	7250.3	3467.8	142.4	120.8	77.6	49.2	29.8	20.1	17.2	16.4	16.4
62.5°	7932.0	3614.0	121.6	96.9	60.4	36.5	21.6	13.4	12.7	12.7	11.9
65°	8348.8	3407.4	102.2	77.6	47.0	27.6	14.2	9.7	11.2	10.4	8.9
67.5°	7817.1	2667.6	83.5	60.4	36.5	20.9	8.9	6.7	11.9	9.7	7.5
70°	6472.5	1867.4	64.9	42.5	29.1	17.9	6.0	4.5	12.7	9.7	6.0
72.5°	4843.7	1249.9	51.5	28.3	21.6	15.7	5.2	2.2	11.2	8.2	5.2
75°	2646.7	503.4	41.0	17.9	13.4	11.2	3.7	1.5	7.5	6.0	3.7
77.5°	696.5	132.7	29.8	11.9	7.5	4.5	2.2	0.7	3.7	3.0	1.5
80°	177.5	51.5	19.4	8.2	5.2	2.2	0.0	0.0	0.7	0.0	0.0
82.5°	94.7	21.6	11.9	6.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	71.6	14.2	6.7	3.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	27.6	4.5	2.2	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)