

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: P323808

Luminaire Tested: **GAN-SA4C-730-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323808
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA4C-730-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21089 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

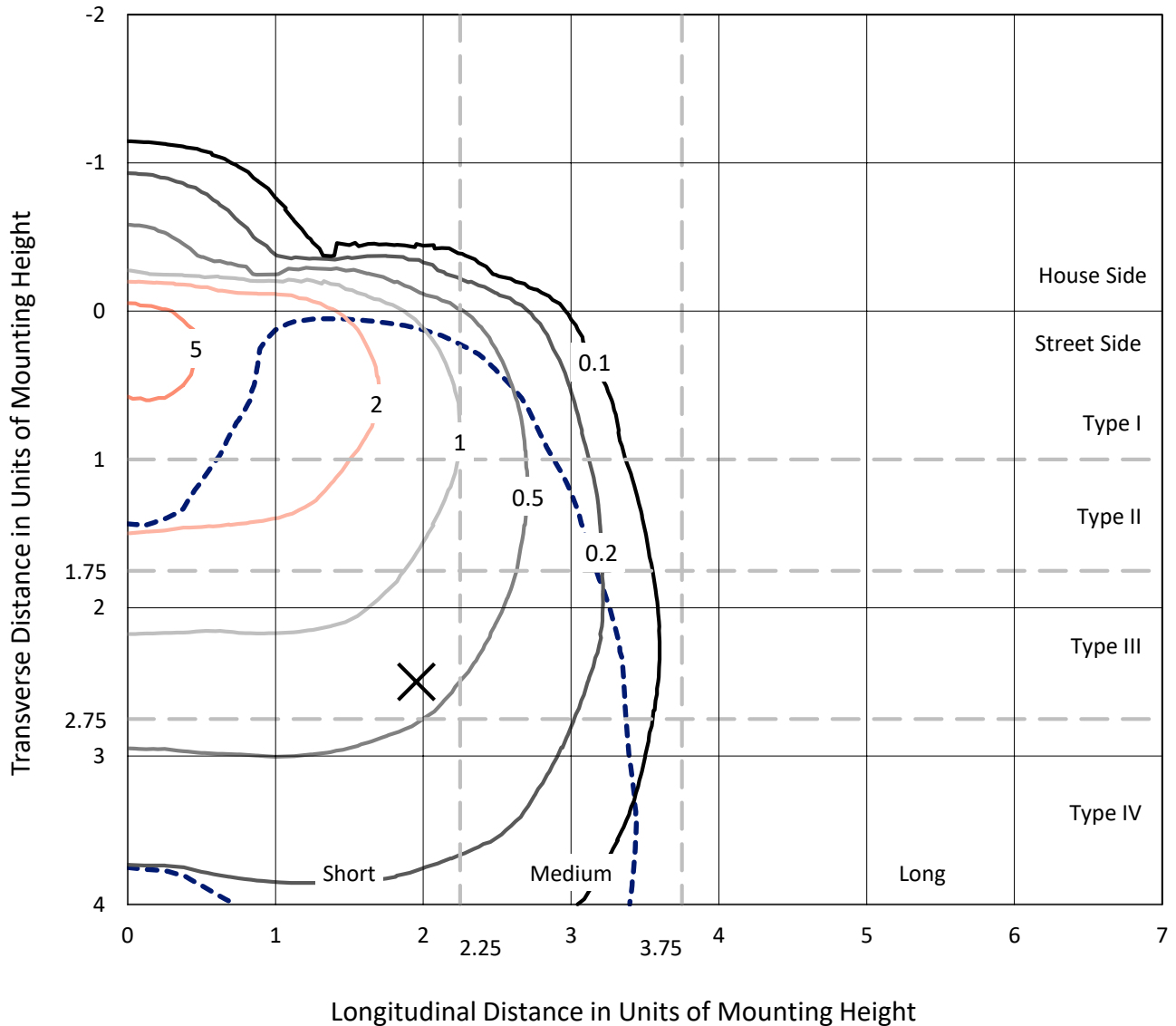
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

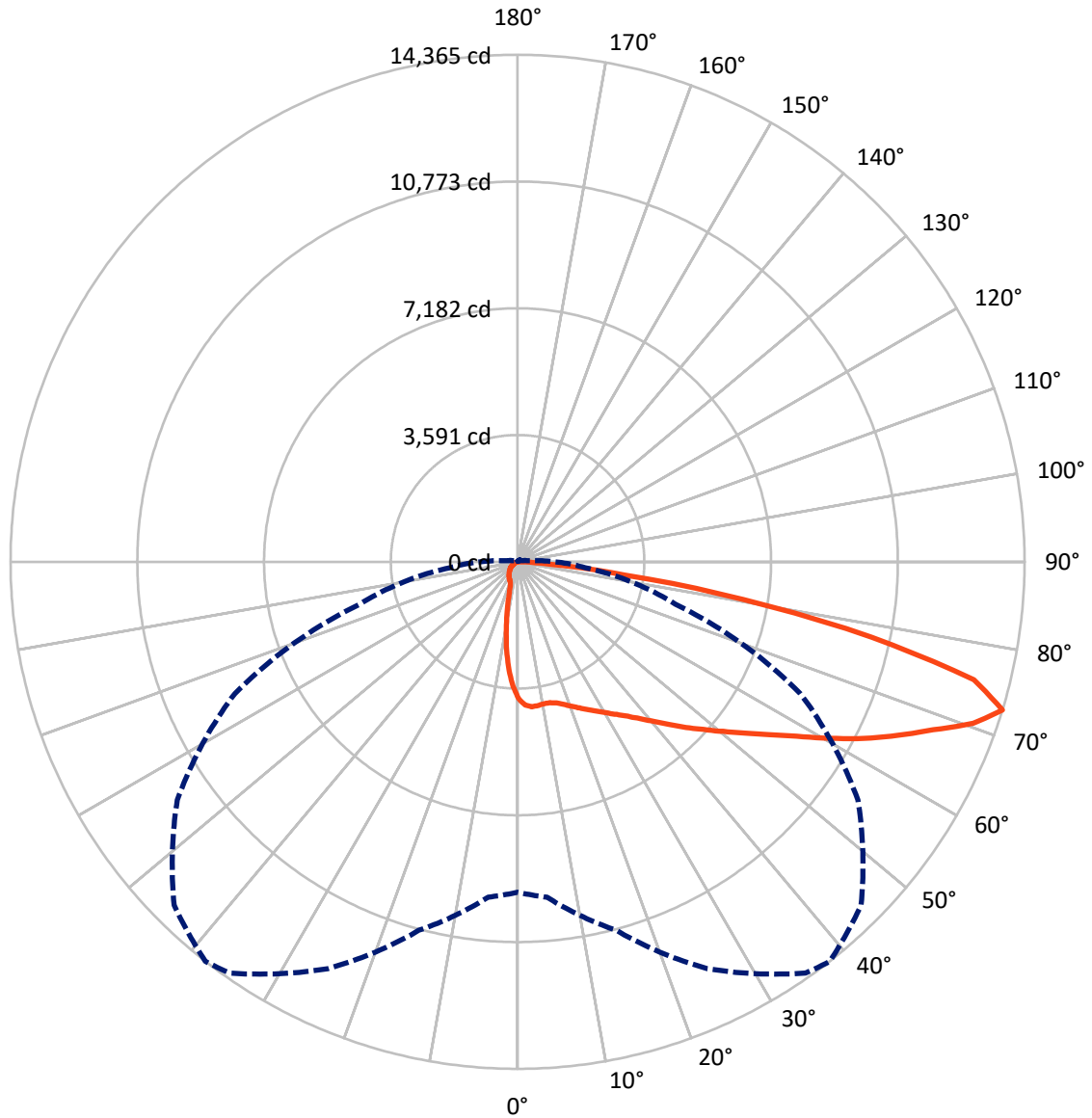
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1774.7	0.0	1774.7
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	19314.3	0.0	19314.3
	% Fixture	91.6	0.0	91.6
Total	Lumens	21089.0	0.0	21089.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	330.5	1.6
10°-20°	808.1	3.8
20°-30°	1285.3	6.1
30°-40°	1932.4	9.2
40°-50°	2947.9	14.0
50°-60°	4166.4	19.8
60°-70°	5226.1	24.8
70°-80°	3907.7	18.5
80°-90°	484.5	2.3
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°	21089.0	100.0
0°-180°	21089.0	100.0

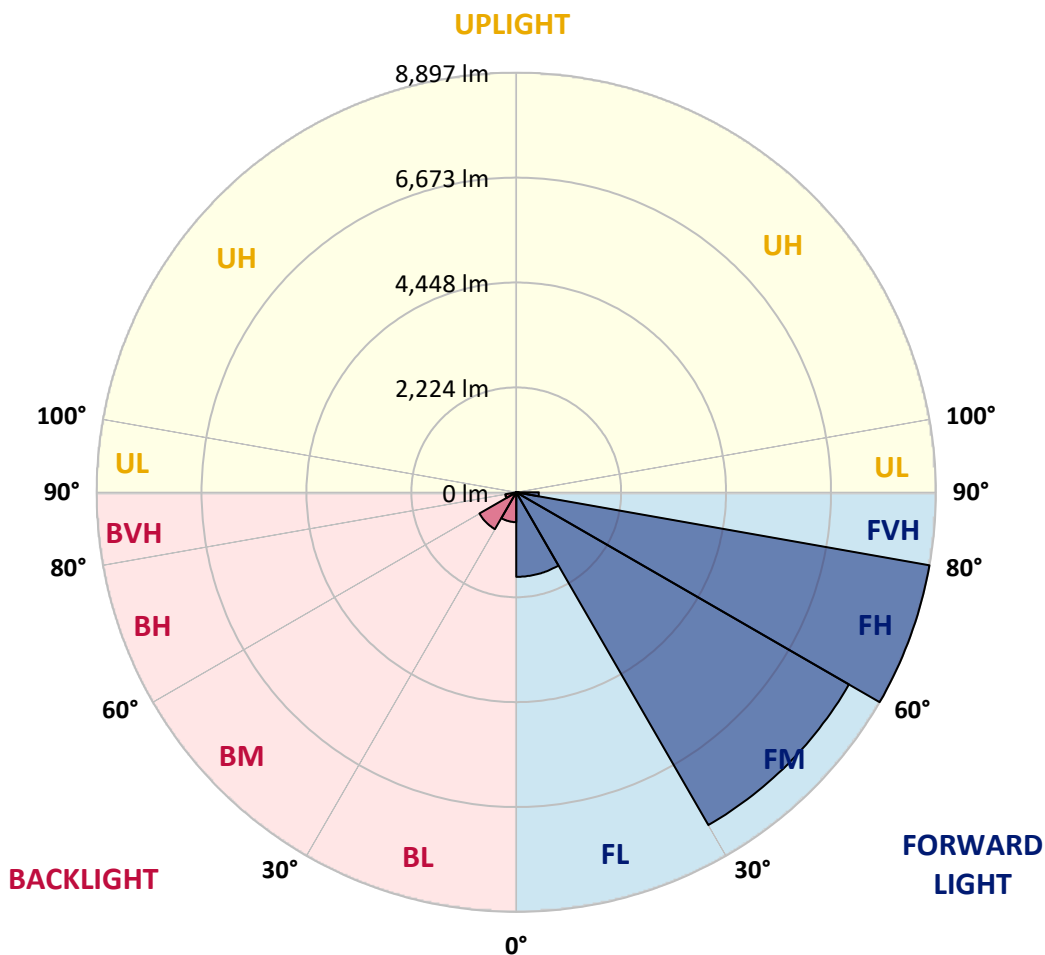


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1792.1	8.5			
FM (30°-60°)	8145.5	38.6			
FH (60°-80°)	8896.7	42.2			G4/12000
FVH (80°-90°)	480.0	2.3			G3/500
BL (0°-30°)	631.9	3.0	B2/1000		
BM (30°-60°)	901.2	4.3	B1/1000		
BH (60°-80°)	237.1	1.1	B1/500		G1/500
BVH (80°-90°)	4.5	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-G4
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	3878.2	3878.2	3878.2	3878.2	3878.2	3878.2	3878.2	3878.2	3878.2	3878.2	3878.2
2.5°	4116.4	4117.3	4107.7	4091.9	4071.8	4061.2	4043.7	4015.7	3985.9	3932.5	3874.7
5°	4200.5	4200.5	4188.2	4167.2	4134.8	4125.2	4091.9	4047.2	3985.9	3899.2	3802.0
7.5°	4191.7	4193.5	4176.9	4155.0	4122.6	4113.8	4073.5	4023.6	3947.4	3842.3	3717.9
10°	4146.2	4150.6	4137.4	4126.9	4097.2	4087.5	4049.9	3999.9	3923.7	3811.6	3668.9
12.5°	4099.8	4104.2	4108.5	4118.2	4099.8	4096.3	4066.5	4024.5	3951.8	3835.3	3674.1
15°	4070.0	4078.8	4110.3	4148.0	4152.3	4148.8	4129.6	4090.1	4016.6	3895.7	3711.8
17.5°	4070.0	4084.0	4149.7	4221.5	4246.9	4249.6	4232.9	4177.7	4090.1	3960.5	3746.8
20°	4104.2	4123.4	4225.9	4327.5	4369.5	4369.5	4337.1	4260.1	4157.6	4019.2	3770.5
22.5°	4191.7	4217.1	4345.9	4463.3	4507.9	4498.3	4454.5	4342.4	4227.7	4085.8	3800.2
25°	4364.3	4383.6	4517.6	4635.8	4662.9	4641.0	4585.9	4442.2	4317.0	4176.0	3854.6
27.5°	4586.7	4589.4	4727.8	4827.6	4811.0	4796.1	4726.9	4567.5	4445.7	4304.7	3948.3
30°	4831.1	4831.1	4952.8	5029.0	4978.2	4966.0	4896.8	4719.0	4610.4	4479.9	4081.4
32.5°	5067.6	5078.1	5177.1	5225.2	5168.3	5156.0	5088.6	4910.8	4829.4	4747.0	4289.0
35°	5296.2	5304.1	5397.8	5424.0	5369.7	5373.2	5325.1	5174.4	5143.8	5133.3	4601.6
37.5°	5517.8	5519.5	5615.0	5631.6	5604.5	5634.2	5638.6	5505.5	5562.4	5647.4	5042.2
40°	5720.1	5721.8	5816.4	5859.3	5905.8	5944.3	5978.5	5907.5	6095.8	6292.9	5566.8
42.5°	5882.1	5900.5	6020.5	6101.9	6224.6	6298.1	6391.0	6387.5	6730.8	7026.8	6200.9
45°	6024.9	6056.4	6223.7	6366.4	6576.6	6694.0	6839.4	6953.3	7445.5	7844.0	6842.9
47.5°	6213.2	6243.0	6433.9	6667.7	6948.0	7102.1	7343.0	7589.1	8231.1	8646.2	7470.0
50°	6478.6	6465.4	6653.7	6989.2	7349.1	7551.4	7894.8	8263.5	9010.6	9345.2	7838.7
52.5°	6761.4	6756.2	6895.4	7338.6	7822.1	8058.6	8512.2	8960.7	9755.9	9826.9	8007.8
55°	7111.8	7074.1	7191.5	7737.1	8383.5	8637.5	9171.7	9650.8	10349.7	10098.4	8092.7
57.5°	7478.8	7416.6	7528.7	8181.2	9016.7	9317.1	9902.2	10323.5	10744.7	10284.1	8091.8
60°	7858.0	7784.4	7917.5	8736.5	9803.2	10150.9	10693.9	10778.0	11113.5	10377.8	8032.3
62.5°	8175.0	8131.3	8329.2	9330.3	10681.7	11023.3	11292.1	11191.4	11424.4	10450.5	7893.0
65°	8510.5	8513.1	8832.8	10023.1	11615.3	11845.7	11868.4	11727.4	11684.5	10435.6	7421.8
67.5°	8964.2	9006.2	9539.6	10963.7	12523.6	12701.4	12699.6	12308.1	11874.6	9843.5	6377.0
70°	9444.1	9543.1	10354.1	12040.1	13515.0	13695.4	13602.6	12677.7	11180.9	7959.6	4513.2
72.5°	9363.6	9535.2	10806.9	12718.9	14227.1	14364.6	13761.1	11769.5	8837.2	4626.2	1921.6
75°	7223.9	7422.7	9909.2	12046.2	13480.0	13356.5	11823.8	9158.6	4829.4	1291.0	432.7
77.5°	3816.0	3922.0	6546.0	9177.0	10510.9	10252.5	8329.2	5080.7	1472.3	319.7	194.4
80°	1998.7	2023.2	2852.6	5206.8	6487.3	6489.1	4936.2	2231.6	607.0	163.8	130.5
82.5°	1070.3	1091.3	1507.3	2405.9	3399.1	3081.2	1890.1	1227.9	353.0	92.8	125.2
85°	257.5	261.9	854.8	1099.2	1336.5	954.7	561.4	1030.9	95.5	54.3	101.6
87.5°	99.0	100.7	317.1	475.6	340.7	220.7	262.8	384.5	12.3	21.0	15.8
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°	3878.2	3878.2	3878.2	3878.2	3878.2	3878.2	3878.2	3878.2	3878.2	3878.2	3878.2
2.5°	3839.7	3816.9	3760.8	3689.9	3626.8	3581.3	3513.0	3468.3	3438.5	3437.7	3426.3
5°	3742.4	3696.0	3575.2	3431.5	3301.0	3183.7	3045.3	2935.8	2854.3	2841.2	2813.2
7.5°	3638.2	3562.0	3376.3	3152.1	2933.2	2710.7	2452.3	2292.1	2154.6	2088.9	2081.9
10°	3574.3	3467.4	3203.8	2879.7	2536.4	2174.7	1836.6	1602.8	1433.7	1385.6	1349.7
12.5°	3561.1	3420.1	3070.7	2624.0	2133.5	1655.3	1281.3	1032.6	897.7	854.8	843.4
15°	3574.3	3398.2	2958.6	2370.9	1725.4	1174.5	860.1	715.6	664.8	652.5	651.6
17.5°	3582.2	3372.0	2831.6	2089.7	1329.5	839.0	658.6	616.6	608.7	607.8	609.6
20°	3581.3	3331.7	2680.1	1776.2	988.8	659.5	595.6	586.8	585.1	585.9	585.1
22.5°	3575.2	3284.4	2513.6	1453.0	747.1	589.4	568.4	563.2	562.3	562.3	562.3
25°	3586.5	3246.7	2330.6	1143.8	615.7	557.0	543.9	539.5	538.6	538.6	536.9
27.5°	3627.7	3225.7	2130.0	880.2	556.2	528.1	517.6	516.7	514.1	513.2	515.0
30°	3694.3	3225.7	1910.2	684.9	520.2	498.4	490.5	488.7	487.8	487.0	487.8
32.5°	3811.6	3250.2	1670.2	569.3	486.1	465.1	459.8	462.4	459.8	459.8	459.8
35°	4023.6	3323.8	1418.9	496.6	450.2	432.7	427.4	430.9	429.2	429.2	428.3
37.5°	4332.8	3460.4	1165.7	452.8	418.6	400.3	393.2	398.5	396.8	396.8	395.9
40°	4709.4	3659.2	924.9	419.5	388.0	368.7	362.6	365.2	360.8	360.8	362.6
42.5°	5174.4	3911.5	714.7	387.1	357.3	338.9	335.4	332.8	324.9	320.6	321.4
45°	5691.2	4174.2	557.0	355.6	328.4	313.5	308.3	301.3	288.1	279.4	280.3
47.5°	6152.7	4376.5	452.8	324.9	302.2	290.8	282.9	269.8	250.5	240.0	240.9
50°	6395.3	4407.2	385.4	294.3	277.6	266.3	254.9	234.7	212.0	200.6	199.7
52.5°	6457.5	4263.6	335.4	266.3	253.1	240.0	225.1	197.9	172.5	160.3	158.5
55°	6480.3	4044.6	290.8	240.0	226.8	212.0	192.7	162.0	138.4	126.1	125.2
57.5°	6405.0	3717.9	255.7	216.3	200.6	182.2	158.5	129.6	106.9	97.2	97.2
60°	6237.7	3275.6	228.6	190.9	173.4	152.4	127.9	100.7	79.7	71.8	71.8
62.5°	5904.0	2702.8	203.2	164.7	148.0	126.1	103.3	76.2	56.1	51.7	52.6
65°	5274.3	2050.3	177.8	141.0	126.1	104.2	80.6	54.3	37.7	37.7	39.4
67.5°	4301.2	1424.1	151.5	120.0	108.6	85.0	61.3	37.7	26.3	29.8	33.3
70°	2847.3	798.8	129.6	99.0	92.8	67.4	45.5	25.4	21.0	28.0	34.2
72.5°	1074.6	310.9	108.6	79.7	80.6	51.7	32.4	19.3	19.3	30.7	40.3
75°	299.5	152.4	77.9	58.7	63.1	37.7	23.6	16.6	18.4	35.0	47.3
77.5°	176.0	112.1	50.8	34.2	42.9	26.3	15.8	13.1	15.8	29.8	45.5
80°	141.9	59.6	29.8	17.5	23.6	14.9	10.5	7.9	4.4	11.4	23.6
82.5°	141.9	35.9	14.0	12.3	12.3	7.9	5.3	3.5	0.9	0.0	6.1
85°	95.5	14.9	8.8	7.9	6.1	2.6	1.8	0.9	0.0	0.0	0.0
87.5°	15.8	6.1	3.5	1.8	0.9	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)