

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: McGRAW-EDISON

Report Number: P530753

Luminaire Tested: **GALN-SA6A-730-U-SL2-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P530753  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6A-730-U-SL2-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14415 lumens  
Efficiency: N/A  
Efficacy: 79.2 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G1

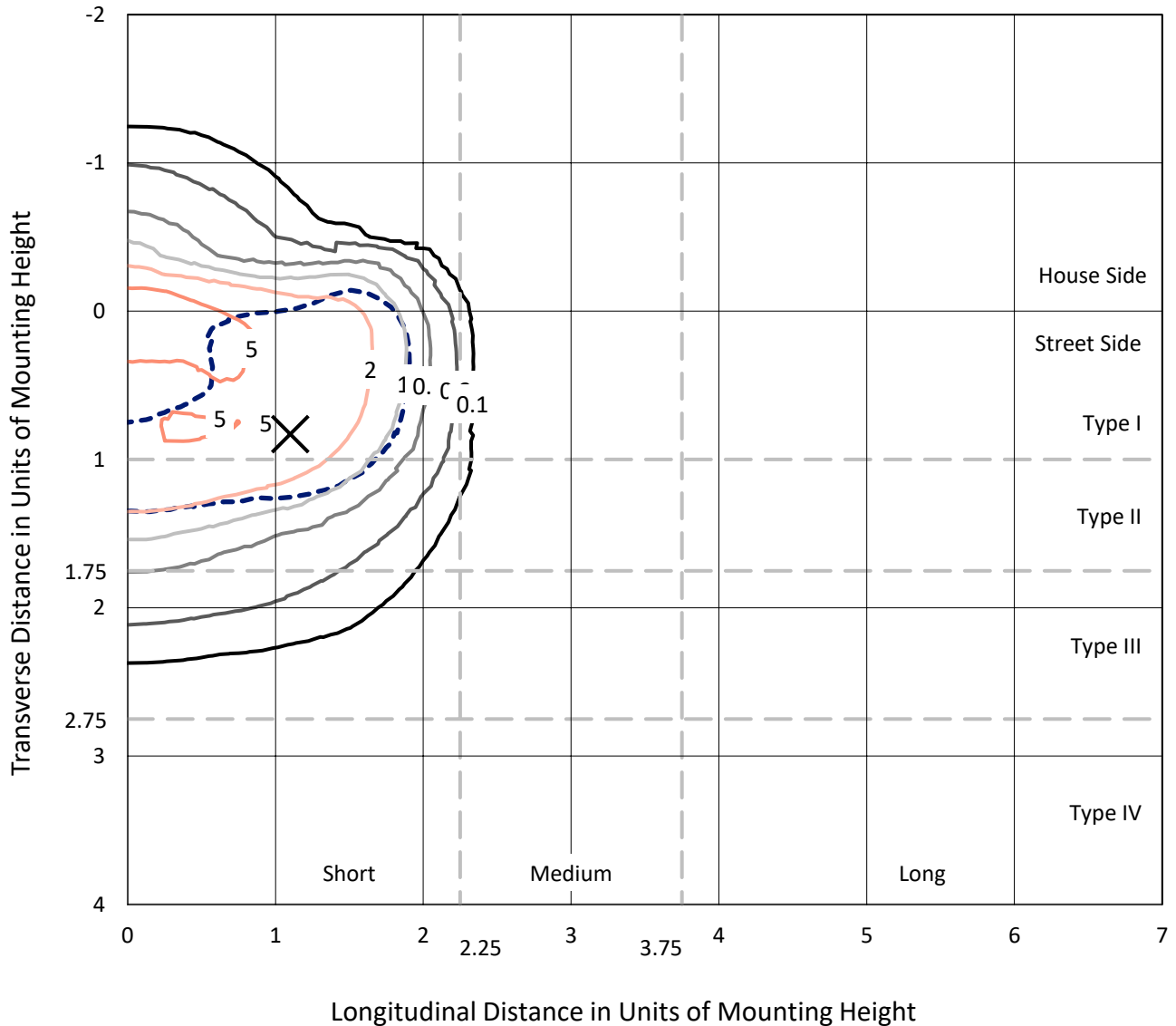
Input Watts (W): 182  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

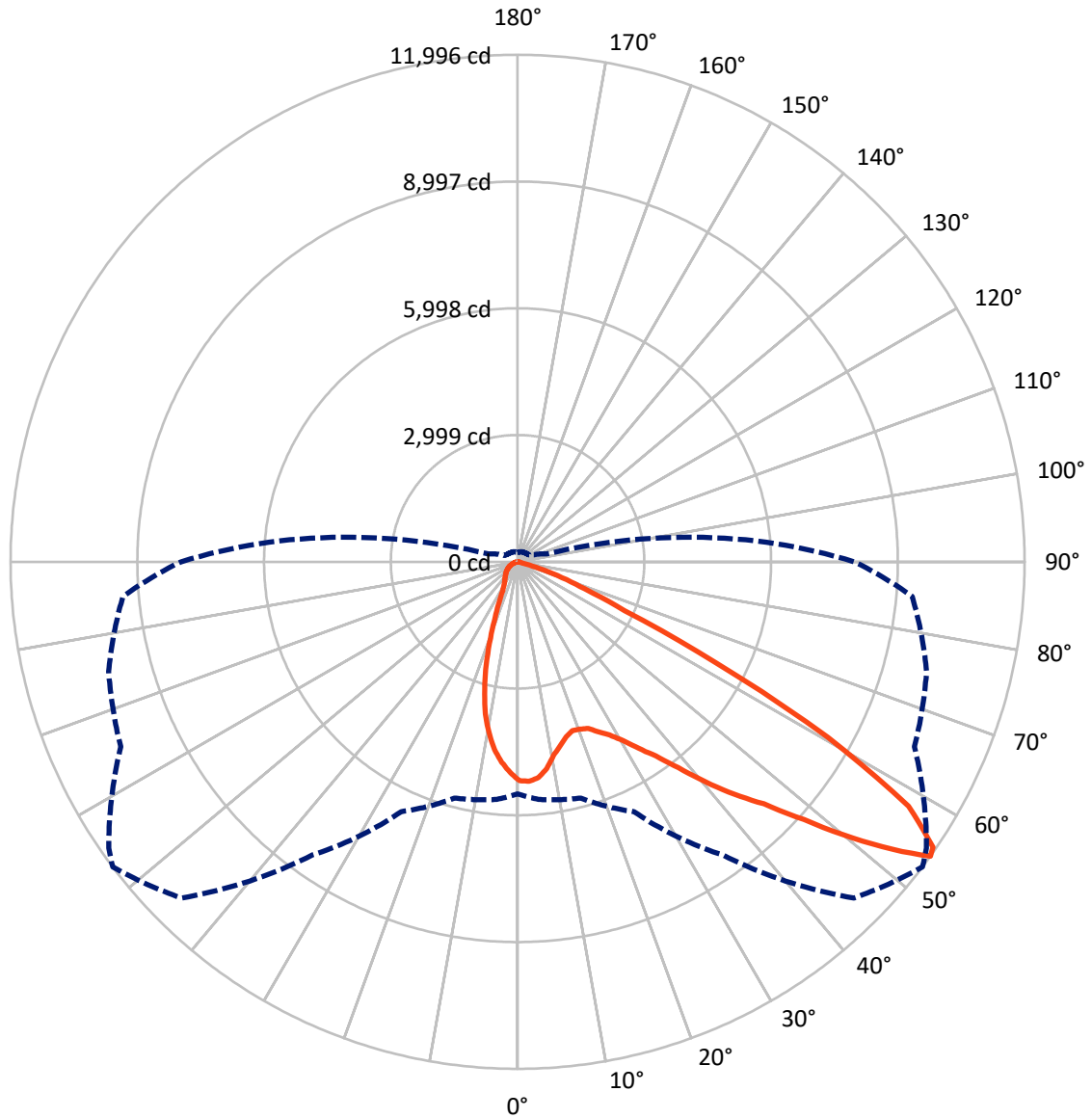
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral      - - - Horizontal Cone Through 54-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2385.0	0.0	2385.0
	% Fixture	16.5	0.0	16.5
<b>Street Side</b>	Lumens	12030.0	0.0	12030.0
	% Fixture	83.5	0.0	83.5
<b>Total</b>	Lumens	14415.0	0.0	14415.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	444.2	3.1
10°-20°	1018.5	7.1
20°-30°	1447.5	10.0
30°-40°	2233.8	15.5
40°-50°	3502.4	24.3
50°-60°	4068.6	28.2
60°-70°	1537.3	10.7
70°-80°	146.2	1.0
80°-90°	16.5	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°	14415.0	100.0
0°-180°	14415.0	100.0

**Coefficient of Utilization**



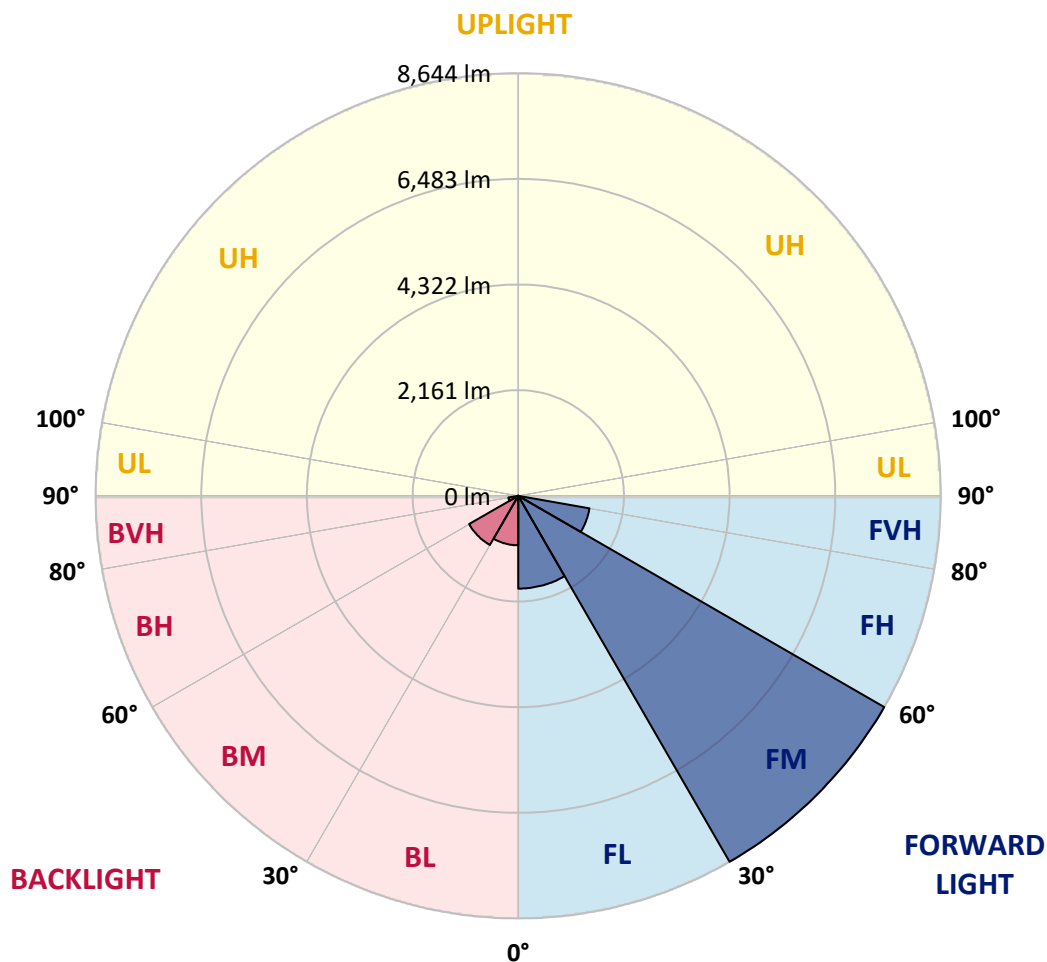
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1898.1	13.2			
FM (30°-60°)	8644.2	60.0			
FH (60°-80°)	1479.2	10.3			G1/1800
FVH (80°-90°)	8.5	0.1			G0/10
BL (0°-30°)	1012.1	7.0	B3/2500		
BM (30°-60°)	1160.6	8.1	B2/2500		
BH (60°-80°)	204.3	1.4	B1/500		G1/500
BVH (80°-90°)	8.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	5177.6	5177.6	5177.6	5177.6	5177.6	5177.6	5177.6	5177.6	5177.6	5177.6	5177.6
2.5°	5150.8	5105.1	5150.8	5156.1	5188.4	5217.9	5199.1	5242.1	5217.9	5191.1	5183.0
5°	4734.5	4796.3	4799.0	4895.6	4874.2	5051.4	5129.3	5107.8	5239.4	5231.3	5212.5
7.5°	4361.2	4337.1	4369.3	4482.1	4624.4	4828.5	4941.3	4938.6	5126.6	5260.9	5247.4
10°	4014.8	4012.1	4079.3	4167.9	4288.7	4503.6	4659.3	4737.2	5029.9	5234.0	5263.6
12.5°	3781.2	3770.4	3842.9	3915.4	4106.1	4272.6	4471.3	4508.9	4844.6	5140.0	5188.4
15°	3628.1	3652.3	3657.6	3797.3	3918.1	4138.3	4294.1	4372.0	4758.7	5064.8	5250.1
17.5°	3601.2	3633.5	3636.2	3751.6	3880.5	4065.8	4202.8	4307.5	4686.2	5102.4	5252.8
20°	3655.0	3636.2	3652.3	3724.8	3851.0	4028.2	4227.0	4261.9	4662.0	5121.2	5282.4
22.5°	3808.0	3802.7	3762.4	3821.5	3910.1	4095.4	4283.4	4337.1	4731.8	5217.9	5306.5
25°	3977.2	4006.8	3969.2	3961.1	4022.9	4205.5	4455.2	4525.1	4965.5	5392.5	5381.7
27.5°	4294.1	4264.6	4264.6	4227.0	4210.8	4299.5	4640.5	4756.0	5226.0	5618.0	5467.7
30°	4597.6	4629.8	4605.6	4619.0	4511.6	4503.6	4903.7	5046.0	5687.9	5961.8	5650.3
32.5°	5078.3	5035.3	5075.6	5040.7	4898.3	4753.3	5260.9	5408.6	6246.5	6356.6	5924.2
35°	5478.4	5459.6	5631.5	5626.1	5395.1	5252.8	5639.5	5859.7	6635.8	6829.2	6246.5
37.5°	6047.7	6012.8	6208.9	6302.8	6096.1	5883.9	6182.0	6437.1	6998.4	7207.9	6576.8
40°	6633.2	6721.8	6985.0	7140.7	6920.5	6638.5	6845.3	6923.2	7240.1	7454.9	6802.3
42.5°	7374.4	7503.3	7771.8	7906.1	7887.3	7581.1	7519.4	7516.7	7414.6	7385.1	6968.8
45°	8086.0	8037.7	8451.2	8744.0	8980.3	8891.7	8169.3	8088.7	7691.2	7489.8	7011.8
47.5°	8397.5	8381.4	8663.4	9184.4	9990.0	10100.1	9114.6	8803.0	8158.5	7930.3	7245.5
50°	7994.7	8078.0	8357.2	8934.6	10170.0	11010.5	10274.7	9855.7	8703.7	8467.4	7798.7
52.5°	6678.8	6735.2	7001.1	7734.2	9557.7	11547.6	11386.5	11144.8	9705.4	9313.3	8762.8
54°	5491.8	5642.2	5787.2	6523.1	8467.4	11249.5	11996.1	11810.8	10357.9	10016.9	9369.7
55°	4782.9	4871.5	4976.2	5709.4	7712.7	10744.6	11926.3	11942.4	10795.7	10237.1	9777.9
57.5°	3493.8	3555.6	3448.2	3773.1	5295.8	8725.2	10908.5	11343.5	11386.5	10567.4	10027.6
60°	2669.4	2696.2	2575.4	2626.4	3292.4	5988.6	8437.8	8961.5	10272.0	9235.4	8494.2
62.5°	2070.5	2075.9	2073.2	2161.8	2269.2	3523.4	5277.0	5741.6	7081.6	6558.0	5768.4
65°	1525.4	1501.2	1544.2	1812.7	1936.2	2215.5	2779.5	3117.9	3848.3	3249.4	2322.9
67.5°	988.3	996.3	1039.3	1348.1	1659.6	1699.9	1710.7	1683.8	1686.5	929.2	582.8
70°	593.5	606.9	593.5	762.7	1187.0	1219.2	1114.5	1087.6	848.6	220.2	217.5
72.5°	351.8	333.0	298.1	327.6	494.1	590.8	531.7	529.0	333.0	128.9	128.9
75°	147.7	134.3	110.1	99.4	131.6	126.2	126.2	112.8	88.6	85.9	80.6
77.5°	29.5	29.5	21.5	24.2	32.2	37.6	45.7	45.7	53.7	53.7	51.0
80°	0.0	2.7	8.1	16.1	24.2	34.9	40.3	40.3	45.7	45.7	37.6
82.5°	0.0	2.7	8.1	16.1	21.5	32.2	40.3	40.3	45.7	48.3	40.3
85°	0.0	2.7	8.1	13.4	21.5	26.9	26.9	24.2	18.8	16.1	10.7
87.5°	0.0	0.0	2.7	5.4	2.7	5.4	5.4	5.4	5.4	5.4	5.4
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°	5177.6	5177.6	5177.6	5177.6	5177.6	5177.6	5177.6	5177.6	5177.6	5177.6	5177.6
2.5°	5201.8	5199.1	5134.7	5029.9	5005.8	4917.1	4906.4	4852.7	4882.2	4782.9	4772.1
5°	5158.8	5126.6	5048.7	4981.6	4785.5	4645.9	4535.8	4401.5	4323.6	4337.1	4286.0
7.5°	5220.6	5137.3	5000.4	4766.7	4527.7	4283.4	4151.8	3877.8	3778.5	3630.8	3609.3
10°	5156.1	5094.4	4882.2	4495.5	4165.2	3813.4	3504.6	3201.1	2970.2	2870.8	2849.3
12.5°	5150.8	5043.4	4688.9	4259.2	3781.2	3276.3	2827.8	2449.2	2220.9	2092.0	2062.5
15°	5067.5	4938.6	4471.3	3894.0	3233.3	2604.9	2116.2	1750.9	1576.4	1501.2	1522.7
17.5°	5075.6	4882.2	4253.8	3507.3	2693.5	1912.1	1444.8	1256.8	1211.2	1230.0	1230.0
20°	5067.5	4756.0	3990.6	3061.5	2062.5	1326.6	1060.8	993.6	1023.2	1082.3	1068.8
22.5°	5024.6	4696.9	3748.9	2591.5	1517.3	982.9	851.3	854.0	899.6	972.1	988.3
25°	5056.8	4565.3	3442.8	2116.2	1106.4	784.2	738.5	757.3	805.6	859.4	870.1
27.5°	5032.6	4471.3	3123.2	1643.5	808.3	674.1	671.4	692.9	714.3	754.6	754.6
30°	5059.5	4385.4	2809.0	1221.9	666.0	617.7	606.9	623.0	644.5	652.6	649.9
32.5°	5158.8	4321.0	2446.5	913.1	588.1	564.0	564.0	564.0	561.3	572.0	574.7
35°	5376.4	4331.7	2126.9	706.3	537.1	518.3	510.2	499.5	494.1	499.5	502.2
37.5°	5612.7	4326.3	1796.6	601.5	499.5	483.4	464.6	448.5	445.8	451.2	443.1
40°	5717.4	4377.3	1490.4	539.8	464.6	445.8	416.3	402.8	405.5	410.9	405.5
42.5°	5859.7	4393.5	1291.7	491.4	432.4	402.8	384.0	367.9	365.2	373.3	370.6
45°	5857.1	4302.2	1082.3	464.6	402.8	370.6	346.4	333.0	333.0	338.4	341.1
47.5°	6028.9	4288.7	929.2	440.4	381.3	349.1	319.6	308.8	306.1	306.1	300.8
50°	6429.1	4476.7	811.0	413.6	354.5	324.9	300.8	287.3	276.6	271.2	268.5
52.5°	7210.5	5062.1	719.7	381.3	324.9	300.8	279.3	268.5	255.1	241.7	239.0
54°	7967.8	5666.4	714.3	354.5	300.8	284.7	265.9	260.5	244.4	225.6	220.2
55°	8308.9	6018.2	733.1	333.0	284.7	273.9	257.8	252.4	236.3	214.8	212.2
57.5°	8590.9	6155.1	722.4	276.6	257.8	255.1	241.7	233.6	214.8	185.3	179.9
60°	6915.1	4654.0	518.3	244.4	236.3	231.0	220.2	214.8	190.7	158.4	155.8
62.5°	4369.3	2677.4	330.3	214.8	206.8	198.7	185.3	179.9	158.4	126.2	118.2
65°	1861.0	1109.1	222.9	190.7	177.2	163.8	153.1	145.0	126.2	94.0	91.3
67.5°	483.4	394.8	185.3	166.5	147.7	128.9	120.8	107.4	85.9	64.5	61.8
70°	217.5	198.7	155.8	139.6	118.2	99.4	88.6	75.2	56.4	43.0	40.3
72.5°	128.9	126.2	118.2	104.7	88.6	75.2	64.5	51.0	37.6	24.2	24.2
75°	80.6	77.9	80.6	72.5	61.8	56.4	48.3	34.9	21.5	10.7	10.7
77.5°	48.3	48.3	48.3	45.7	43.0	43.0	34.9	21.5	10.7	2.7	2.7
80°	37.6	37.6	40.3	37.6	37.6	37.6	29.5	16.1	5.4	0.0	0.0
82.5°	37.6	40.3	45.7	43.0	37.6	32.2	26.9	16.1	5.4	0.0	0.0
85°	10.7	8.1	13.4	18.8	26.9	24.2	18.8	13.4	5.4	0.0	0.0
87.5°	5.4	5.4	5.4	5.4	2.7	2.7	2.7	2.7	2.7	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)