

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: P528571

Luminaire Tested: **GALN-SA3C-830-U-SL3-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528571
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3C-830-U-SL3-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9753 lumens
Efficiency: N/A
Efficacy: 61.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

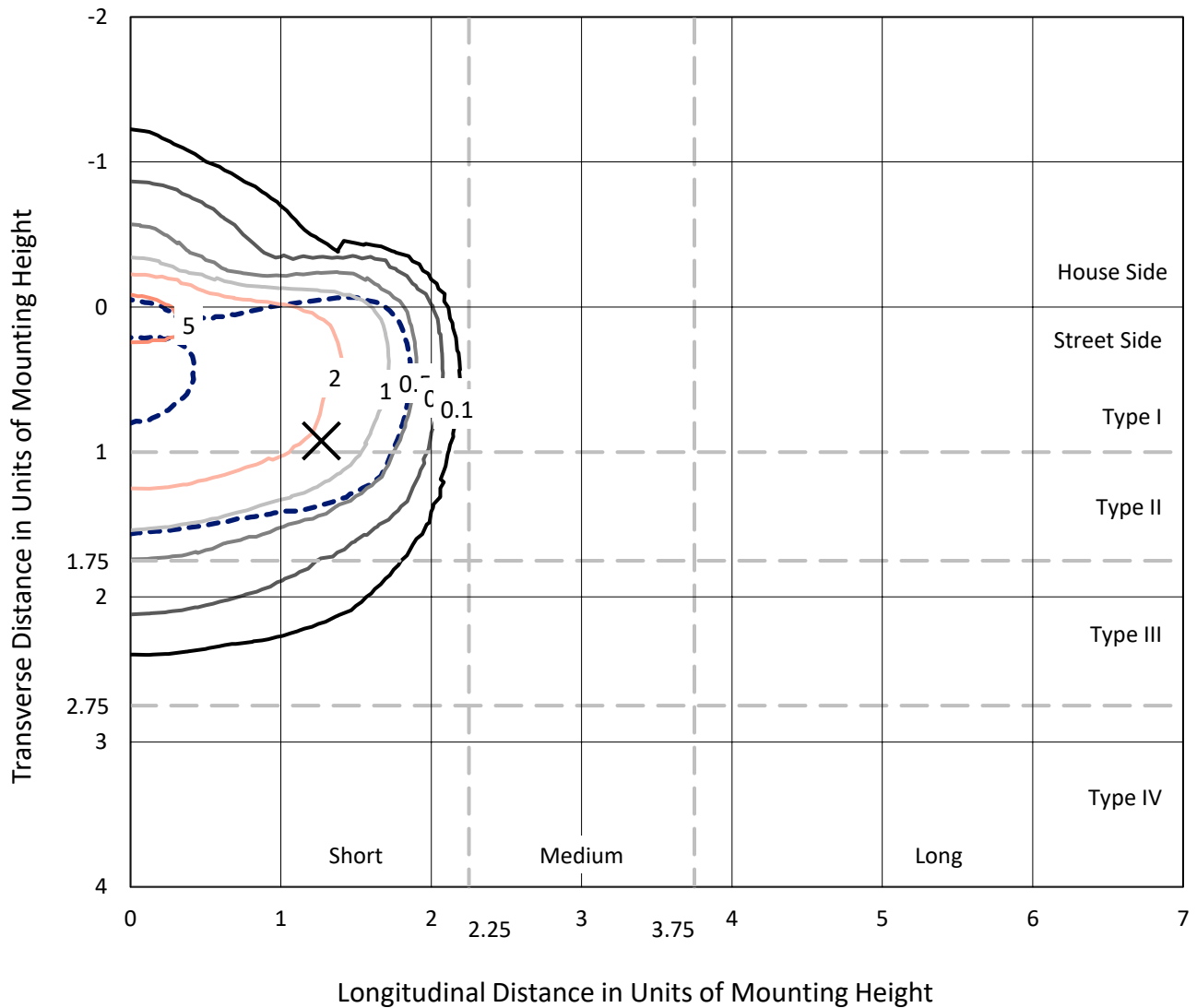
Input Watts (W): 160
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

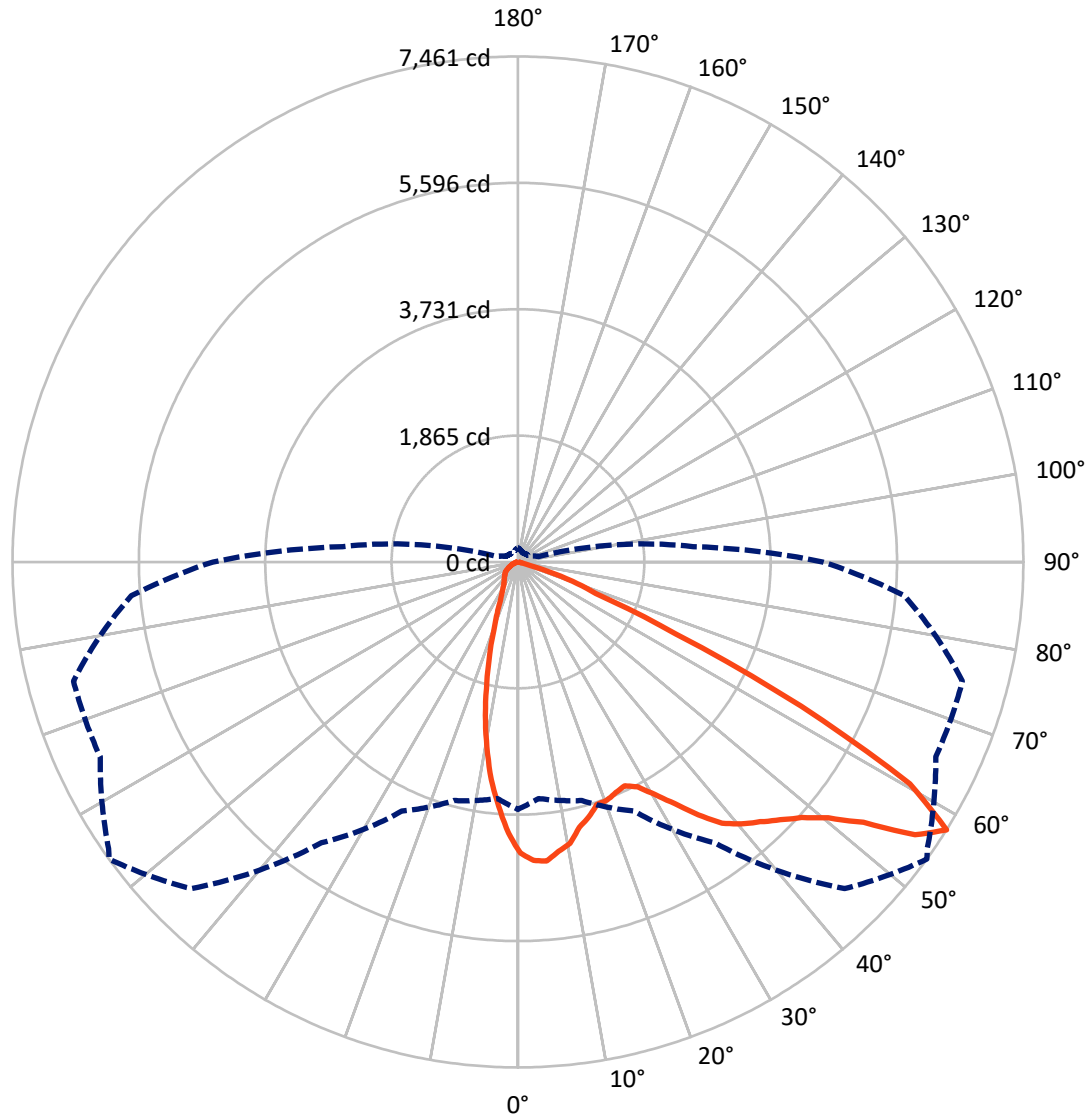
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1378.3	0.0	1378.3
	% Fixture	14.1	0.0	14.1
Street Side	Lumens	8374.7	0.0	8374.7
	% Fixture	85.9	0.0	85.9
Total	Lumens	9753.0	0.0	9753.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	359.5	3.7
10°-20°	767.6	7.9
20°-30°	1017.2	10.4
30°-40°	1478.3	15.2
40°-50°	2192.1	22.5
50°-60°	2741.1	28.1
60°-70°	1081.2	11.1
70°-80°	107.7	1.1
80°-90°	8.4	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°	9753.0	100.0
0°-180°	9753.0	100.0

Coefficient of Utilization



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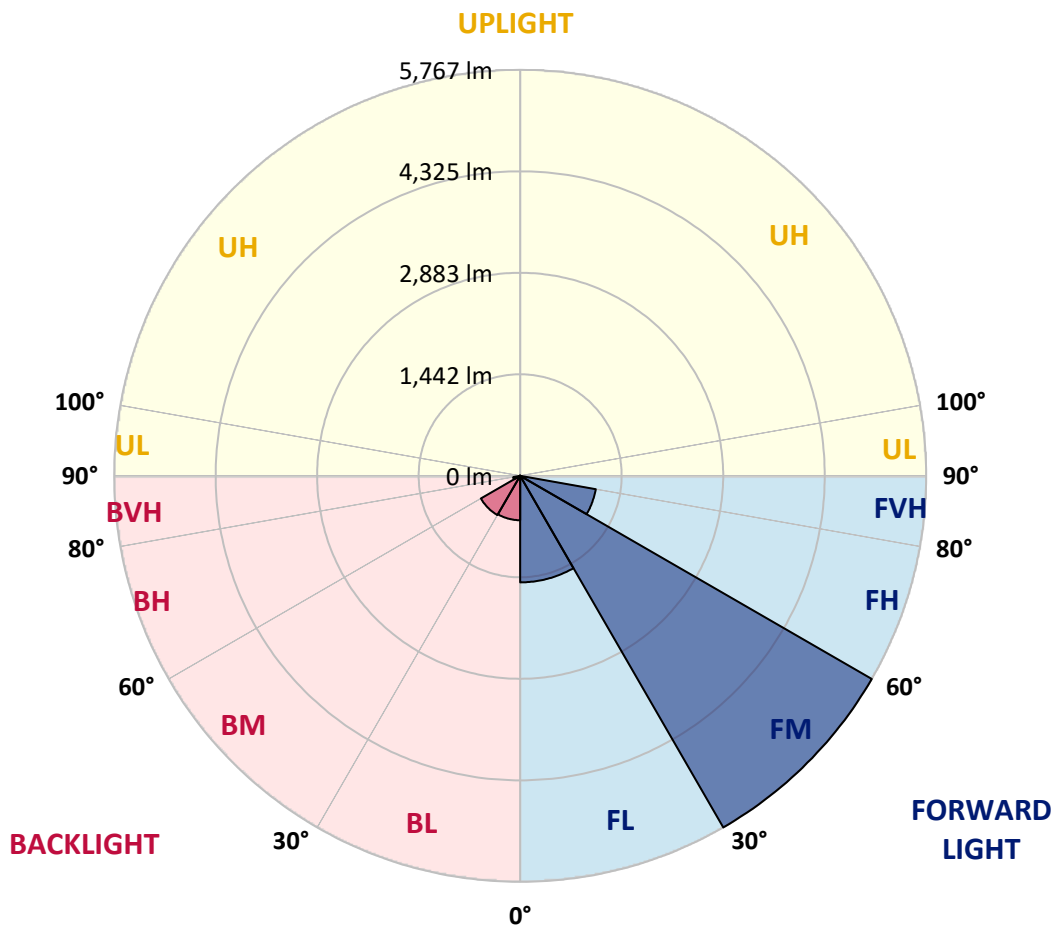
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1514.0	15.5			
FM (30°-60°)	5766.9	59.1			
FH (60°-80°)	1090.1	11.2			G1/1800
FVH (80°-90°)	3.8	0.0			G0/10
BL (0°-30°)	630.4	6.5	B2/1000		
BM (30°-60°)	644.5	6.6	B1/1000		
BH (60°-80°)	98.8	1.0	B0/110		G0/110
BVH (80°-90°)	4.6	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	4296.3	4296.3	4296.3	4296.3	4296.3	4296.3	4296.3	4296.3	4296.3	4296.3	4296.3
2.5°	4546.6	4499.4	4503.1	4486.8	4465.0	4481.3	4410.6	4426.9	4425.1	4329.0	4265.5
5°	4432.3	4483.1	4430.5	4474.1	4432.3	4477.7	4434.2	4401.5	4348.9	4278.2	4160.3
7.5°	4238.3	4189.3	4203.8	4258.2	4267.3	4368.9	4314.5	4356.2	4334.4	4194.8	4033.4
10°	3848.4	3837.5	3910.0	3982.6	4071.4	4180.3	4222.0	4198.4	4182.1	4129.5	3913.7
12.5°	3549.1	3580.0	3578.2	3697.9	3848.4	3910.0	4018.9	4015.2	4105.9	4008.0	3801.2
15°	3264.4	3280.7	3356.9	3431.3	3598.1	3774.0	3908.2	3926.4	4035.2	3966.3	3714.2
17.5°	3090.3	3066.7	3126.6	3215.4	3385.9	3616.2	3765.0	3808.5	3957.2	3942.7	3614.4
20°	2918.0	2918.0	2967.0	3072.2	3228.1	3487.5	3752.3	3739.6	3957.2	3915.5	3507.4
22.5°	2860.0	2889.0	2901.7	2981.5	3166.5	3389.5	3697.9	3721.4	3988.0	3902.8	3460.3
25°	2939.8	2901.7	2905.3	2968.8	3142.9	3342.4	3658.0	3710.5	4044.2	3966.3	3422.2
27.5°	2952.5	2990.6	3001.4	3045.0	3161.0	3356.9	3757.7	3864.7	4183.9	4115.0	3433.1
30°	3063.1	3101.2	3099.4	3173.7	3253.5	3474.8	3980.8	4002.5	4472.2	4301.8	3500.2
32.5°	3197.3	3237.2	3249.9	3337.0	3400.4	3690.6	4252.8	4309.0	4749.7	4595.6	3676.1
35°	3364.2	3349.6	3407.7	3494.7	3630.8	4006.2	4584.7	4679.0	5049.0	4976.4	3857.4
37.5°	3572.7	3554.6	3610.8	3752.3	3937.2	4379.8	4891.2	4952.8	5266.6	5330.1	4193.0
40°	3719.6	3726.9	3897.3	4087.8	4283.6	4735.2	5085.2	5145.1	5418.9	5660.1	4446.9
42.5°	3964.4	4009.8	4214.7	4446.9	4651.8	5001.8	5243.0	5301.0	5489.7	5924.9	4789.6
45°	4319.9	4300.0	4526.7	4786.0	5012.7	5279.3	5429.8	5409.9	5531.4	6187.9	5005.4
47.5°	4776.9	4780.5	4931.1	5152.3	5388.1	5520.5	5638.4	5567.6	5618.4	6465.3	5293.8
50°	5088.9	5116.1	5237.6	5464.3	5582.1	5785.3	5935.8	5892.3	5875.9	6632.2	5475.1
52.5°	5168.7	5250.3	5315.5	5598.5	5874.1	6195.1	6387.4	6479.9	6189.7	6688.4	5705.5
55°	4566.5	4639.1	4869.4	5257.5	5984.8	6844.4	7109.2	7111.0	6599.6	6938.7	5866.9
57.5°	3650.7	3503.8	3645.3	4056.9	5059.8	6817.2	7461.0	7375.8	6804.5	6791.8	5727.2
60°	2524.5	2488.2	2497.3	2660.5	3502.0	5422.5	6648.5	6759.1	6265.9	5886.8	4533.9
62.5°	2000.4	1969.5	1929.6	1911.5	2174.5	3378.7	4689.9	4845.8	4381.6	3817.5	2687.7
65°	1566.9	1548.8	1554.2	1626.8	1625.0	1916.9	2564.4	2500.9	2002.2	1479.9	845.1
67.5°	1057.3	1084.5	1106.3	1325.7	1438.2	1334.8	1238.7	1202.4	651.1	273.8	186.8
70°	594.8	598.5	622.1	828.8	1091.8	1035.5	854.2	854.2	324.6	99.7	107.0
72.5°	324.6	313.7	292.0	357.3	486.0	493.3	380.8	331.9	96.1	65.3	59.8
75°	157.8	156.0	134.2	110.6	105.2	87.1	67.1	61.7	43.5	41.7	36.3
77.5°	32.6	30.8	16.3	16.3	18.1	19.9	25.4	25.4	30.8	30.8	25.4
80°	0.0	0.0	1.8	7.3	12.7	18.1	21.8	21.8	25.4	25.4	19.9
82.5°	0.0	0.0	1.8	5.4	10.9	16.3	19.9	21.8	25.4	27.2	21.8
85°	0.0	0.0	0.0	3.6	9.1	12.7	10.9	10.9	9.1	7.3	3.6
87.5°	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4296.3	4296.3	4296.3	4296.3	4296.3	4296.3	4296.3	4296.3	4296.3	4296.3	4296.3
2.5°	4232.9	4229.2	4145.8	4098.6	4013.4	3939.1	3879.2	3835.7	3835.7	3808.5	3783.1
5°	4113.2	4082.3	3904.6	3790.3	3628.9	3509.2	3427.6	3364.2	3264.4	3291.6	3184.6
7.5°	3964.4	3886.5	3650.7	3476.6	3253.5	3083.1	2909.0	2754.8	2606.1	2539.0	2575.3
10°	3804.9	3668.8	3351.5	3075.8	2798.3	2486.4	2283.3	2036.6	1884.3	1875.2	1835.3
12.5°	3636.2	3482.0	3095.7	2714.9	2350.4	1975.0	1664.8	1434.5	1331.2	1216.9	1238.7
15°	3509.2	3280.7	2811.0	2352.2	1868.0	1488.9	1177.0	999.3	901.3	874.1	865.1
17.5°	3371.4	3126.6	2520.9	1965.9	1465.4	1071.8	846.9	761.7	723.6	723.6	718.2
20°	3228.1	2952.5	2232.5	1606.8	1099.0	799.8	678.3	651.1	649.3	647.4	647.4
22.5°	3133.8	2753.0	1971.3	1276.7	828.8	640.2	589.4	578.5	585.8	607.5	607.5
25°	3034.1	2560.7	1683.0	984.8	642.0	549.5	520.5	527.7	545.9	565.8	558.6
27.5°	2932.5	2435.6	1411.0	772.6	525.9	480.6	469.7	486.0	506.0	524.1	518.7
30°	2909.0	2301.4	1153.4	585.8	451.6	418.9	426.2	440.7	460.6	467.9	475.2
32.5°	2945.2	2196.2	944.9	480.6	393.5	384.5	384.5	391.7	404.4	420.7	415.3
35°	3048.6	2136.4	747.2	417.1	360.9	351.8	350.0	357.3	364.5	370.0	364.5
37.5°	3206.4	2089.2	611.2	370.0	339.1	324.6	321.0	319.2	326.4	328.3	331.9
40°	3407.7	2114.6	518.7	340.9	317.4	301.1	290.2	290.2	290.2	295.6	297.4
42.5°	3625.3	2149.1	447.9	324.6	297.4	277.5	266.6	263.0	266.6	273.8	272.0
45°	3853.8	2216.2	402.6	299.2	279.3	253.9	239.4	235.8	244.8	259.3	257.5
47.5°	4067.8	2312.3	368.2	282.9	261.2	237.6	219.4	215.8	232.1	252.1	253.9
50°	4281.8	2479.1	355.5	270.2	248.5	221.3	204.9	201.3	219.4	244.8	250.3
52.5°	4528.5	2658.7	346.4	253.9	233.9	208.6	190.4	186.8	206.7	239.4	241.2
55°	4689.9	2811.0	339.1	224.9	206.7	188.6	174.1	172.3	194.1	223.1	230.3
57.5°	4501.3	2598.8	313.7	195.9	175.9	166.8	154.2	154.2	172.3	199.5	204.9
60°	3413.1	1710.2	223.1	157.8	148.7	143.3	137.8	137.8	152.3	172.3	174.1
62.5°	1998.5	921.3	143.3	126.9	126.9	121.5	112.4	112.4	126.9	137.8	139.6
65°	593.0	295.6	116.1	108.8	107.0	97.9	88.9	87.1	97.9	103.4	101.6
67.5°	170.5	136.0	96.1	90.7	88.9	74.4	68.9	67.1	68.9	65.3	63.5
70°	101.6	92.5	74.4	76.2	67.1	54.4	49.0	47.2	43.5	38.1	34.5
72.5°	56.2	56.2	54.4	58.0	47.2	36.3	30.8	25.4	19.9	16.3	14.5
75°	34.5	36.3	38.1	39.9	30.8	23.6	19.9	12.7	7.3	3.6	3.6
77.5°	23.6	25.4	27.2	29.0	25.4	21.8	16.3	9.1	1.8	0.0	0.0
80°	18.1	19.9	23.6	25.4	27.2	29.0	21.8	9.1	1.8	0.0	0.0
82.5°	19.9	21.8	27.2	25.4	25.4	25.4	19.9	9.1	1.8	0.0	0.0
85°	3.6	5.4	9.1	9.1	12.7	16.3	12.7	3.6	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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)