

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: P648507

Luminaire Tested: **GALN-SA6B-835-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P648507
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6B-835-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22525.3 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

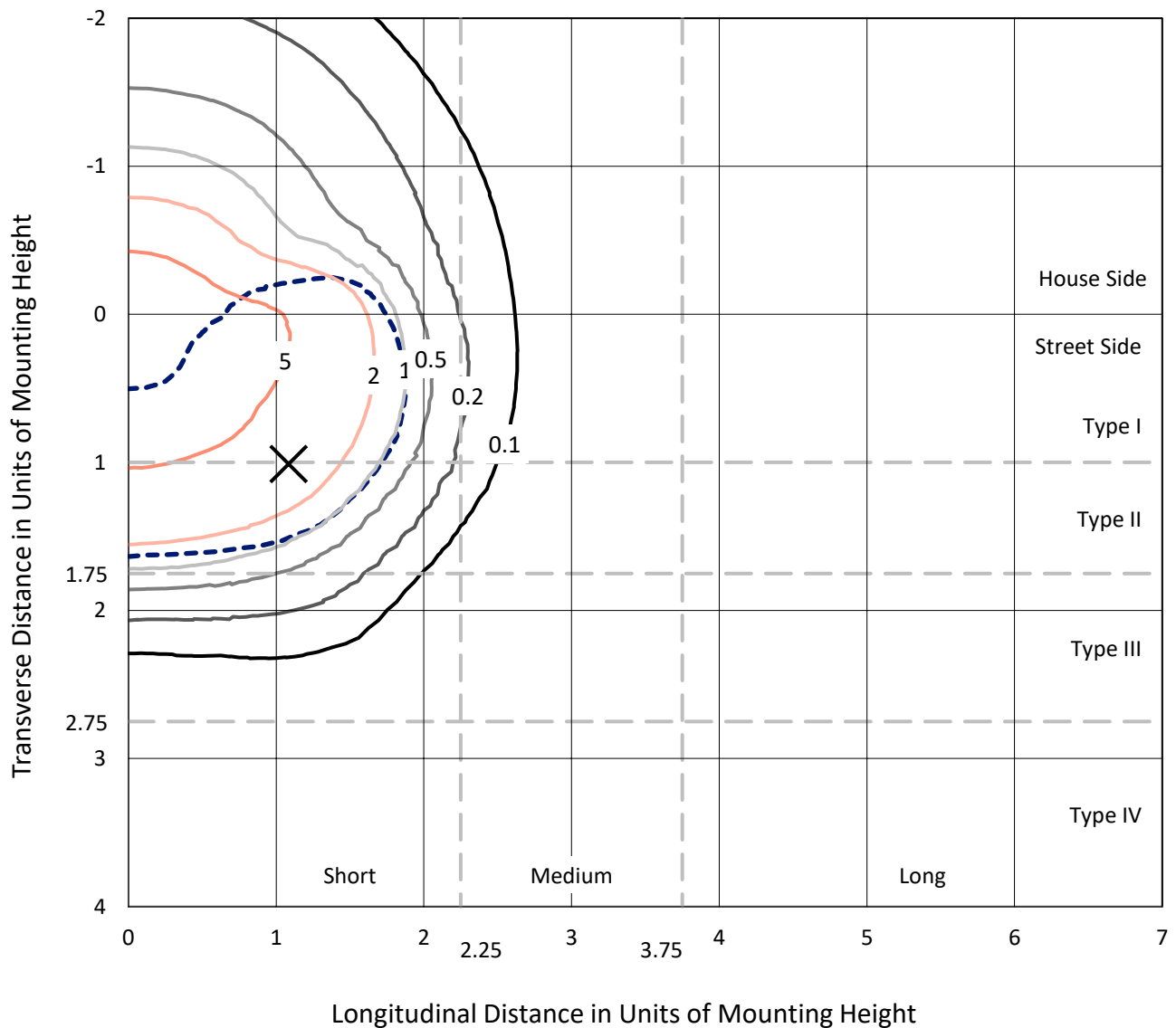
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

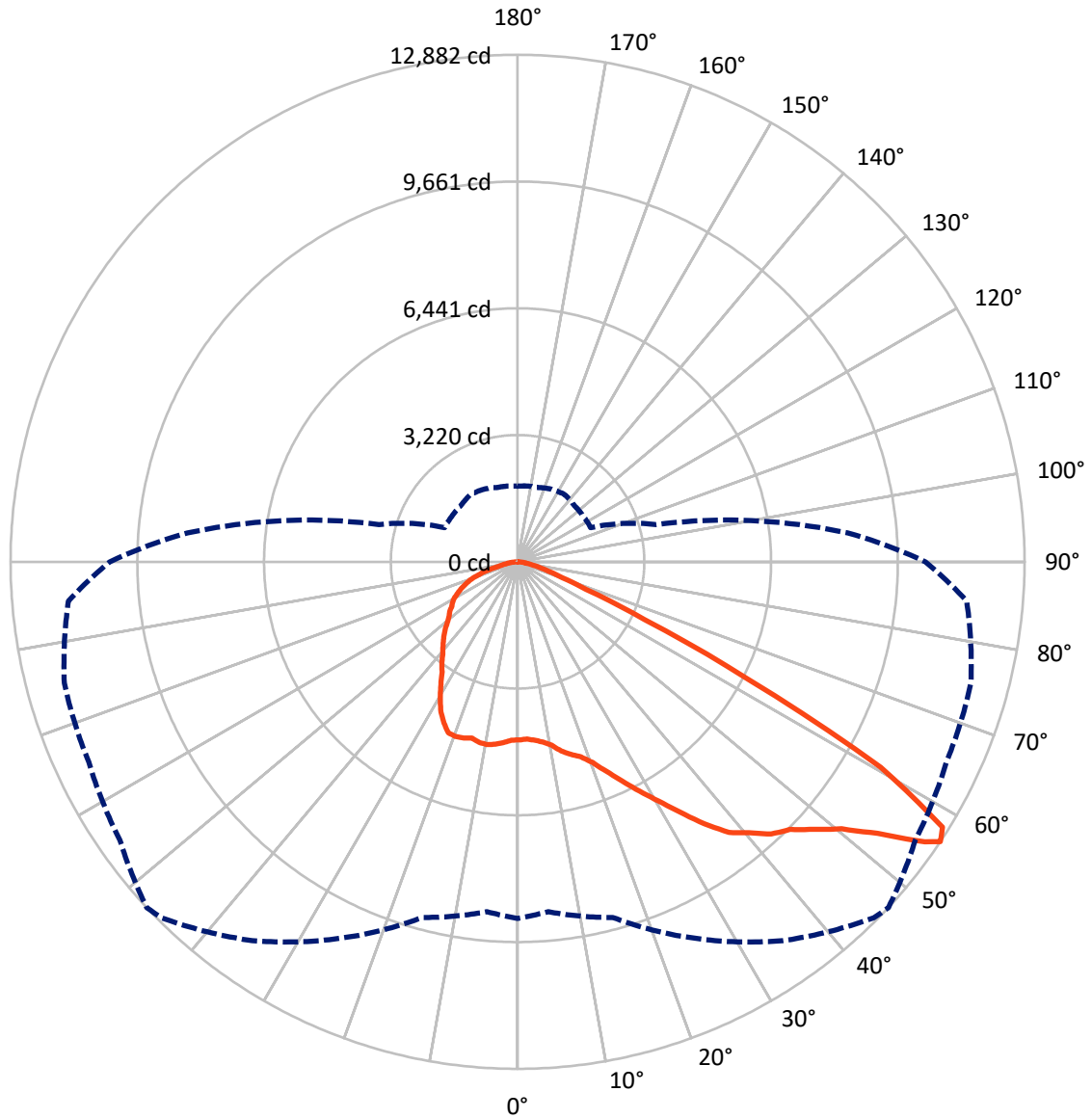
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7138.0	0.0	7138.0
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	15387.3	0.0	15387.3
	% Fixture	68.3	0.0	68.3
Total	Lumens	22525.3	0.0	22525.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	440.9	2.0
10°-20°	1390.7	6.2
20°-30°	2458.4	10.9
30°-40°	3692.5	16.4
40°-50°	5067.6	22.5
50°-60°	6037.4	26.8
60°-70°	2583.6	11.5
70°-80°	731.2	3.2
80°-90°	123.0	0.5
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°	22525.3	100.0
0°-180°	22525.3	100.0

Coefficient of Utilization

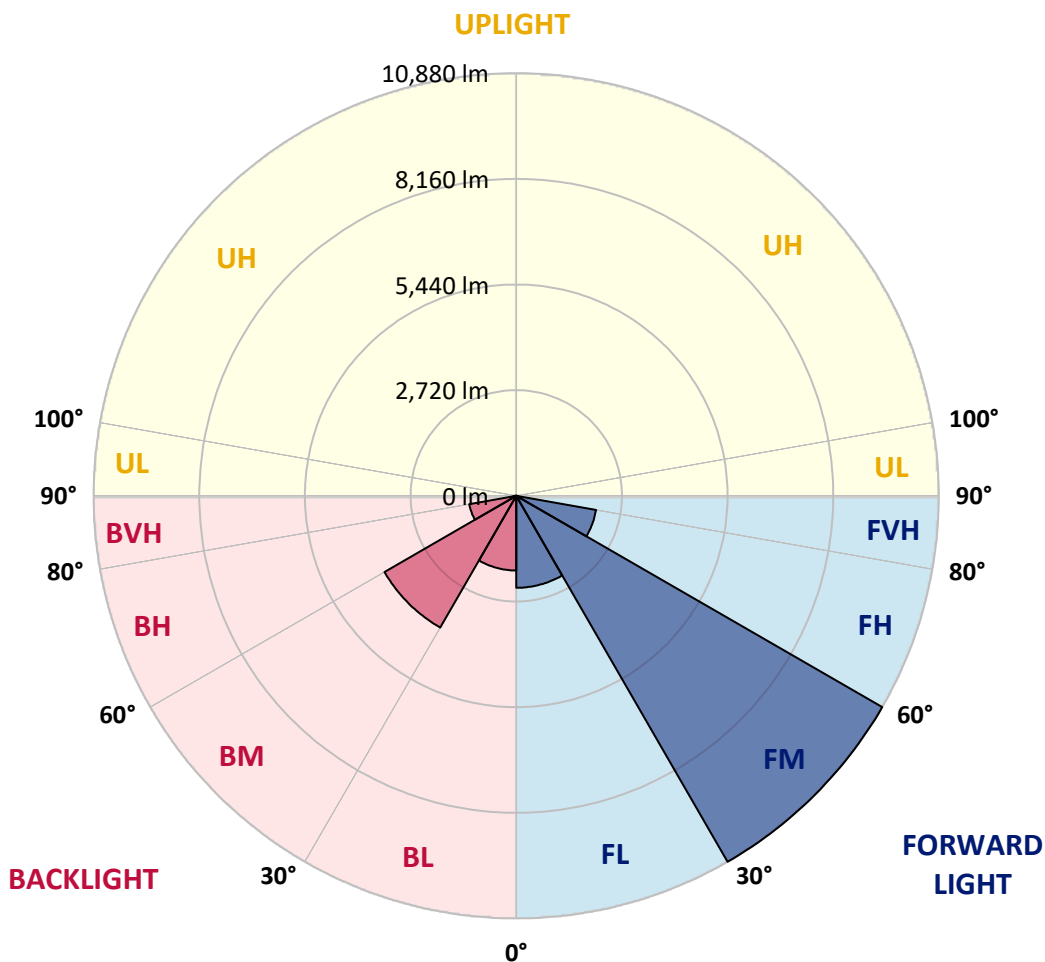


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2368.2	10.5			
FM (30°-60°)	10880.3	48.3			
FH (60°-80°)	2086.7	9.3			G2/5000
FVH (80°-90°)	52.2	0.2			G1/100
BL (0°-30°)	1921.8	8.5	B3/2500		
BM (30°-60°)	3917.2	17.4	B3/5000		
BH (60°-80°)	1228.1	5.5	B3/2500		G3/2500
BVH (80°-90°)	70.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	4524.6	4524.6	4524.6	4524.6	4524.6	4524.6	4524.6	4524.6	4524.6	4524.6	4524.6
2.5°	4507.4	4498.8	4493.1	4539.1	4521.7	4524.6	4507.4	4524.6	4536.2	4510.3	4547.7
5°	4498.8	4524.6	4501.7	4516.0	4553.4	4541.9	4553.4	4587.8	4579.2	4570.6	4559.1
7.5°	4579.2	4582.1	4599.3	4605.1	4616.6	4605.1	4622.4	4653.9	4645.3	4596.4	4602.2
10°	4694.2	4699.9	4702.8	4734.4	4754.5	4757.4	4737.2	4708.5	4705.7	4771.7	4725.7
12.5°	4826.3	4811.9	4846.4	4857.9	4880.9	4906.7	4932.6	4872.3	4909.6	4912.5	4857.9
15°	5018.8	5033.1	4993.0	4993.0	5001.6	5004.4	5076.3	5047.5	5041.7	5010.2	5033.1
17.5°	5306.1	5208.4	5205.5	5165.3	5159.6	5182.5	5208.4	5231.4	5308.9	5245.7	5122.2
20°	5515.8	5538.8	5455.5	5406.6	5415.2	5466.9	5441.1	5544.5	5599.1	5495.6	5375.0
22.5°	5886.4	5808.8	5828.9	5719.7	5728.3	5782.9	5780.1	5886.4	5918.0	5754.2	5579.0
25°	6136.3	6116.2	6133.4	6047.3	6058.7	6101.8	6170.7	6346.0	6294.3	6113.4	5708.2
27.5°	6501.2	6460.9	6446.6	6415.0	6403.5	6518.4	6598.8	6785.6	6748.2	6483.9	5938.0
30°	6874.6	6848.7	6863.2	6733.8	6779.8	7024.0	7047.0	7302.6	7285.4	6820.0	6193.8
32.5°	7133.1	7147.5	7173.4	7101.6	7305.5	7500.9	7578.4	7868.6	7882.9	7397.5	6687.8
35°	7549.7	7500.9	7515.2	7598.5	7693.4	8049.6	8176.0	8368.5	8489.1	8003.6	7161.9
37.5°	7811.1	7862.9	7802.5	7934.7	8181.7	8609.8	8724.7	8922.9	9049.3	8601.2	7808.2
40°	8219.1	8135.8	8178.8	8273.6	8526.5	9083.8	9052.2	9256.2	9296.4	9109.7	8411.5
42.5°	8658.6	8618.4	8558.0	8773.5	8986.1	9391.1	9454.4	9359.6	9563.6	9606.6	9273.4
45°	9184.4	9233.1	9241.8	9247.5	9434.3	9787.7	9701.4	9618.1	9853.7	10166.9	9807.7
47.5°	9672.7	9517.6	9629.6	9784.8	10049.0	10051.9	10152.5	9954.3	10204.2	10482.8	10290.3
50°	9836.4	9761.7	9911.1	10204.2	10612.2	10655.2	10666.7	10385.2	10514.4	10735.6	10457.0
52.5°	9773.2	9747.4	10129.5	10583.4	11180.9	11399.2	11456.7	11109.1	11180.9	11080.4	10824.7
55°	9471.6	9549.2	9934.2	10859.2	11775.6	12450.7	12559.9	12120.4	11663.6	11741.2	11459.6
56°	9057.9	8922.9	9353.8	10546.1	11749.8	12792.6	12881.6	12333.0	12022.7	11922.1	11453.9
57.5°	7684.8	7509.5	8075.5	9488.9	11097.6	12663.3	12729.4	12422.0	11962.4	11758.4	10617.9
60°	4498.8	4585.0	5303.2	6544.2	8560.9	10382.3	10603.5	10827.6	10520.2	9606.6	7903.1
62.5°	2171.8	2117.2	2631.5	3751.9	5217.0	6627.5	6561.5	7190.6	7535.4	6825.8	4990.1
65°	1137.6	1131.9	1436.4	2048.3	2867.0	3481.8	3542.1	3881.2	4355.1	3516.3	2533.8
67.5°	836.0	859.0	1011.2	1439.3	1844.4	1881.7	1873.1	2042.5	2088.5	1766.8	1557.1
70°	655.0	666.5	778.5	1094.6	1373.2	1229.5	1203.7	1223.8	1358.8	1416.3	1347.3
72.5°	474.0	485.5	580.3	738.3	859.0	838.8	856.1	968.1	1134.7	1195.1	1123.3
75°	316.0	324.6	376.3	451.0	508.5	548.7	580.3	709.6	864.7	899.2	864.7
77.5°	218.3	226.9	261.4	318.9	324.6	350.5	362.0	422.3	517.1	560.2	537.2
80°	123.6	123.6	140.8	163.7	201.1	235.6	241.3	290.2	333.2	362.0	367.7
82.5°	57.5	60.3	74.7	100.5	132.2	163.7	169.5	201.1	232.7	261.4	270.1
85°	28.7	31.6	43.1	60.3	80.4	97.6	94.8	97.6	103.4	97.6	100.5
87.5°	8.6	8.6	11.5	14.3	11.5	14.3	14.3	17.2	20.1	23.0	25.8
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°	4524.6	4524.6	4524.6	4524.6	4524.6	4524.6	4524.6	4524.6	4524.6	4524.6	4524.6
2.5°	4550.5	4559.1	4501.7	4556.3	4536.2	4533.3	4573.5	4567.8	4582.1	4576.4	4541.9
5°	4553.4	4533.3	4593.6	4539.1	4564.9	4619.5	4582.1	4668.3	4625.2	4653.9	4590.7
7.5°	4642.4	4648.2	4636.7	4659.7	4648.2	4674.0	4653.9	4674.0	4639.6	4642.4	4699.9
10°	4720.0	4702.8	4722.9	4694.2	4714.3	4705.7	4659.7	4645.3	4656.8	4642.4	4679.8
12.5°	4863.7	4832.0	4817.7	4783.2	4760.2	4674.0	4602.2	4562.0	4616.6	4625.2	4608.0
15°	5010.2	5013.0	4947.0	4869.4	4725.7	4596.4	4613.7	4628.1	4628.1	4651.1	4608.0
17.5°	5102.1	5102.1	5041.7	4886.6	4740.1	4665.4	4648.2	4602.2	4562.0	4556.3	4553.4
20°	5262.9	5214.2	5076.3	4883.7	4734.4	4699.9	4570.6	4461.5	4378.1	4349.4	4346.5
22.5°	5446.9	5323.3	5130.8	4889.5	4725.7	4676.9	4435.6	4271.8	4122.5	4059.2	4067.9
25°	5616.3	5418.1	5162.4	4863.7	4694.2	4458.6	4188.5	3961.6	3806.5	3754.7	3728.9
27.5°	5734.1	5518.7	5162.4	4886.6	4576.4	4214.4	3938.6	3648.5	3513.4	3478.9	3484.7
30°	5892.1	5645.0	5251.5	4837.8	4340.8	3898.4	3568.1	3378.4	3298.0	3269.3	3289.4
32.5°	6262.7	5975.4	5375.0	4720.0	4062.1	3582.4	3315.2	3208.9	3091.1	3033.7	3013.5
35°	6664.9	6288.6	5495.6	4521.7	3749.0	3295.1	3128.5	3030.8	2890.1	2826.9	2838.3
37.5°	7233.7	6690.7	5504.3	4194.3	3410.0	3134.2	2982.0	2829.7	2714.8	2617.1	2588.4
40°	8000.8	7239.5	5484.2	3849.5	3137.1	2944.6	2832.6	2642.9	2513.7	2444.8	2459.1
42.5°	8675.9	7882.9	5400.9	3458.8	2890.1	2815.4	2688.9	2502.2	2375.8	2304.0	2298.3
45°	9244.6	8357.0	5242.9	3125.6	2683.2	2671.7	2525.2	2381.6	2281.0	2215.0	2243.7
47.5°	9770.4	8739.1	5004.4	2792.3	2493.6	2516.6	2375.8	2286.8	2223.6	2163.2	2160.4
50°	9960.0	8733.3	4794.7	2516.6	2341.3	2329.8	2324.1	2229.3	2163.2	2111.5	2134.5
52.5°	10276.0	8831.0	4567.8	2327.0	2203.4	2206.3	2226.4	2157.5	2082.8	2051.1	2079.9
55°	10729.9	8845.3	4067.9	2105.8	2088.5	2108.6	2108.6	2062.7	1999.5	1973.6	1959.2
56°	10359.3	8417.3	3648.5	2048.3	2031.1	2031.1	2085.7	2033.9	1956.4	1936.3	1919.1
57.5°	9554.9	7374.5	3053.8	1979.3	1953.5	1993.8	2022.5	1967.8	1896.0	1867.3	1884.5
60°	6590.2	4990.1	2295.4	1829.9	1829.9	1896.0	1919.1	1838.6	1807.0	1804.1	1781.2
62.5°	3846.6	2907.3	1795.5	1695.0	1700.7	1755.3	1772.6	1726.5	1686.3	1735.2	1758.1
65°	2039.7	1735.2	1539.8	1551.3	1554.2	1597.2	1671.9	1669.1	1666.2	1680.6	1683.4
67.5°	1476.6	1442.1	1399.1	1387.6	1393.3	1424.9	1499.6	1557.1	1554.2	1519.7	1493.9
70°	1315.8	1266.9	1241.1	1244.0	1220.9	1258.3	1318.7	1356.0	1289.9	1249.7	1232.4
72.5°	1094.6	1080.1	1062.9	1065.8	1019.9	1011.2	942.3	942.3	925.0	913.5	933.6
75°	836.0	830.2	838.8	824.5	775.6	724.0	683.7	646.4	588.9	566.0	554.4
77.5°	528.6	545.8	566.0	534.3	514.2	476.8	436.7	399.3	353.4	327.5	327.5
80°	359.1	373.5	387.8	382.1	359.1	324.6	293.0	252.8	221.2	201.1	198.3
82.5°	273.0	284.4	304.5	281.6	258.5	229.8	204.0	175.2	146.5	123.6	123.6
85°	97.6	112.0	123.6	135.0	143.6	146.5	126.4	103.4	83.3	66.1	63.2
87.5°	25.8	28.7	31.6	28.7	28.7	28.7	31.6	28.7	25.8	20.1	20.1
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)