

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: P383322

Luminaire Tested: **GLEON-SA6B-735-U-T4FT-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383322  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GLEON-SA6B-735-U-T4FT-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 22610.5 lumens  
Efficiency: N/A  
Efficacy: 90.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

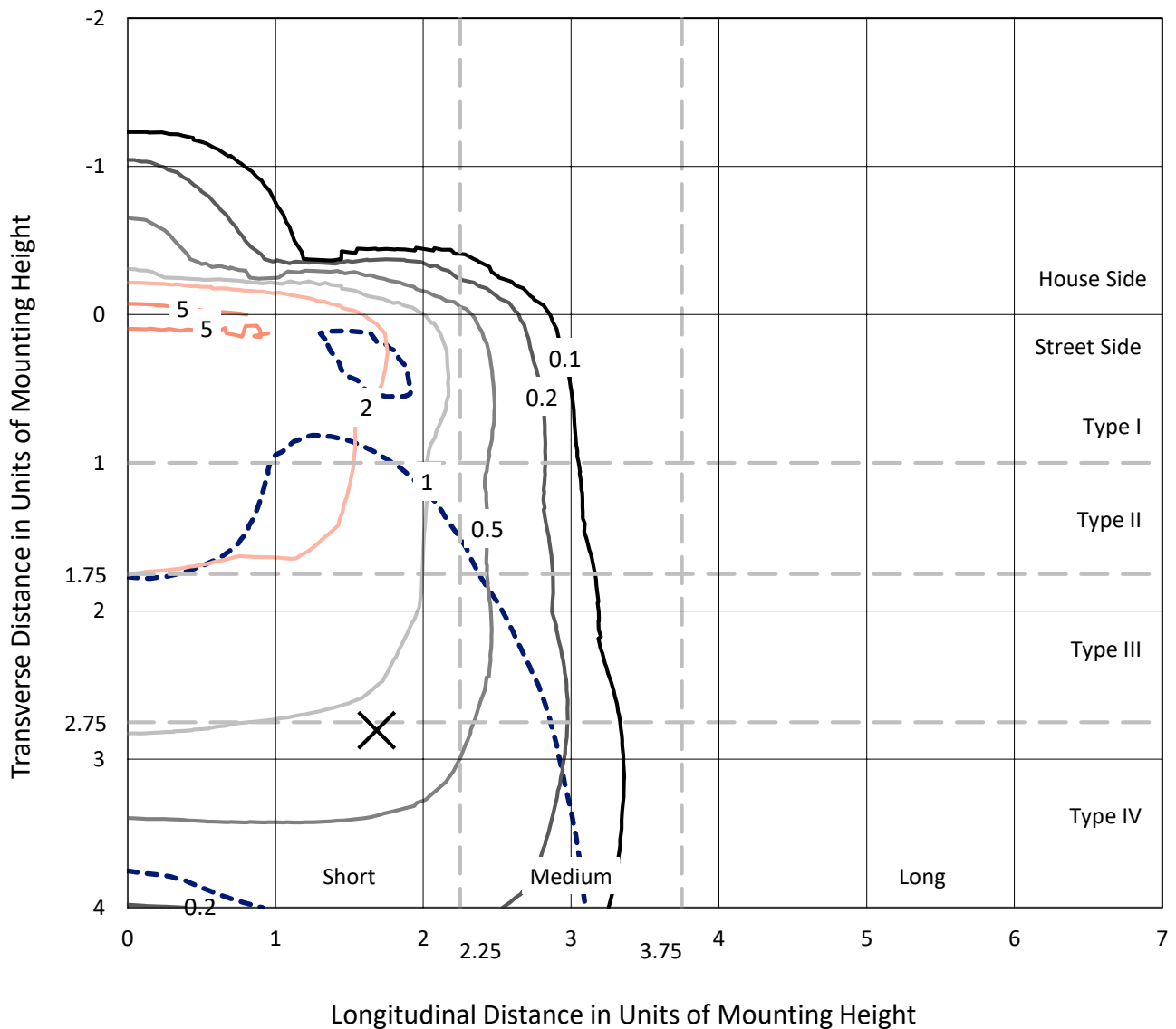
Input Watts (W): 249  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

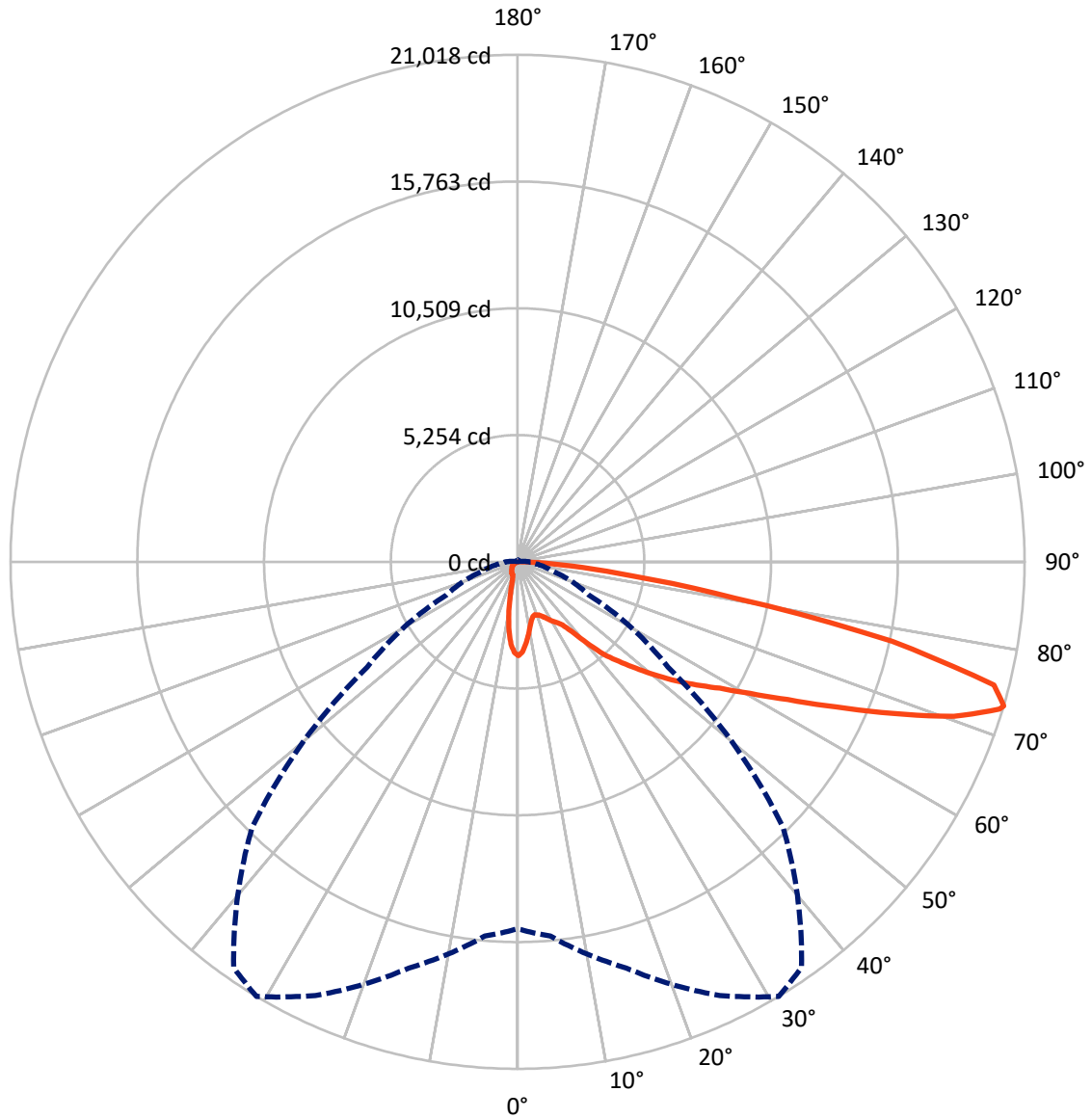
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 31-Deg Lateral      - - - Horizontal Cone Through 73-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2061.0	0.0	2061.0
	% Fixture	9.1	0.0	9.1
<b>Street Side</b>	Lumens	20549.5	0.0	20549.5
	% Fixture	90.9	0.0	90.9
<b>Total</b>	Lumens	22610.5	0.0	22610.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	322.5	1.4
10°-20°	700.3	3.1
20°-30°	1049.3	4.6
30°-40°	1669.5	7.4
40°-50°	2981.2	13.2
50°-60°	4626.0	20.5
60°-70°	6149.7	27.2
70°-80°	4625.8	20.5
80°-90°	486.1	2.1
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°	22610.5	100.0
0°-180°	22610.5	100.0

**Coefficient of Utilization**

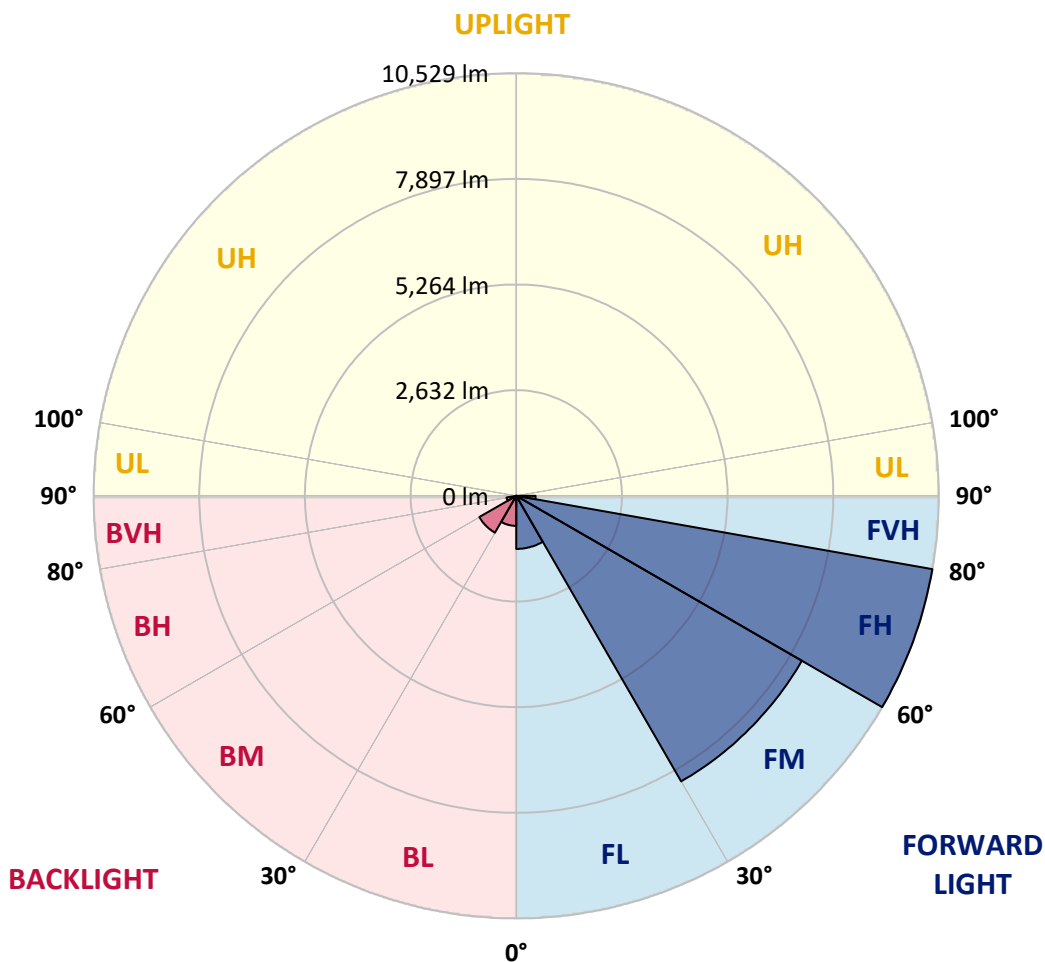


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1322.7	5.9			
FM (30°-60°)	8215.9	36.3			
FH (60°-80°)	10528.9	46.6			G4/12000
FVH (80°-90°)	482.0	2.1			G3/500
BL (0°-30°)	749.5	3.3	B2/1000		
BM (30°-60°)	1060.9	4.7	B2/2500		
BH (60°-80°)	246.6	1.1	B1/500		G1/500
BVH (80°-90°)	4.1	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°	31°	35°	45°	55°	65°	75°	85°
0°	3890.1	3890.1	3890.1	3890.1	3890.1	3890.1	3890.1	3890.1	3890.1	3890.1	3890.1
2.5°	3686.6	3702.1	3718.6	3722.0	3749.7	3750.8	3790.7	3820.5	3850.4	3879.2	3889.1
5°	3308.2	3333.6	3363.5	3393.4	3452.0	3475.2	3572.7	3672.3	3767.4	3858.1	3902.3
7.5°	2904.4	2933.2	2975.2	3049.3	3114.6	3159.9	3313.7	3490.8	3667.8	3834.9	3931.1
10°	2536.0	2562.5	2606.7	2685.3	2786.0	2847.9	3054.8	3300.5	3560.5	3813.8	3974.3
12.5°	2301.4	2315.7	2340.0	2424.2	2514.9	2584.6	2828.0	3132.3	3472.0	3812.7	4043.9
15°	2258.3	2262.6	2242.7	2280.3	2351.1	2418.7	2665.3	2996.2	3404.4	3830.4	4134.7
17.5°	2326.8	2324.6	2258.3	2253.8	2310.2	2365.6	2585.7	2902.1	3356.9	3871.4	4252.0
20°	2430.8	2423.0	2308.0	2286.9	2346.8	2398.7	2580.2	2866.7	3339.2	3940.0	4394.8
22.5°	2569.1	2555.8	2375.4	2353.4	2417.6	2471.8	2648.8	2901.0	3354.7	4031.8	4560.7
25°	2740.6	2720.7	2491.7	2467.3	2532.6	2586.8	2771.6	2999.5	3401.2	4143.5	4770.9
27.5°	2934.3	2905.5	2677.5	2614.5	2688.6	2745.1	2935.3	3150.0	3474.2	4261.9	5028.7
30°	3116.8	3079.1	2873.4	2769.4	2860.1	2923.2	3112.4	3329.3	3591.5	4444.5	5381.6
32.5°	3300.5	3258.5	3048.2	2924.3	3006.2	3074.8	3295.0	3575.9	3811.6	4723.3	5850.8
35°	3723.1	3678.9	3421.1	3216.4	3215.2	3254.0	3550.5	3913.4	4102.6	5111.7	6410.6
37.5°	4434.5	4409.1	4163.5	3775.1	3671.1	3628.0	3899.0	4316.1	4520.9	5646.1	7042.4
40°	5213.5	5191.3	4915.9	4564.0	4405.8	4299.6	4399.1	4877.1	5111.7	6298.8	7687.4
42.5°	6093.1	5988.0	5496.7	5391.6	5250.0	5169.3	5079.6	5568.6	5837.4	7009.2	8326.9
45°	6892.0	6714.9	6077.6	5918.3	5886.2	5906.1	5955.8	6498.0	6654.0	7853.4	8964.3
47.5°	7367.7	7228.3	6739.2	6586.5	6577.7	6709.4	7085.5	7548.1	7467.3	8589.1	9525.2
50°	7820.2	7694.1	7288.1	7325.6	7366.6	7545.8	8367.9	8627.9	8209.6	9256.3	10039.7
52.5°	8186.4	7993.9	7781.5	7992.8	8194.2	8483.0	9691.2	9597.1	8736.3	9787.4	10480.0
55°	8397.7	8310.3	8413.3	8625.7	9004.1	9473.2	10940.3	10403.7	9121.3	10272.1	10773.3
57.5°	9172.3	9000.8	9205.5	9389.1	9882.6	10538.7	12010.3	11004.5	9399.0	10571.9	10840.7
60°	10109.4	9971.1	10091.7	10397.1	11063.2	11834.3	13010.5	11494.6	9544.0	10764.4	10665.9
62.5°	11600.8	11418.3	11343.1	11685.0	12567.9	13409.8	13769.5	11834.3	9511.9	10679.2	10066.2
65°	13599.0	13409.8	13073.5	13383.3	14506.3	15100.5	14618.0	11906.2	9290.6	9989.9	8550.5
67.5°	15645.9	15508.8	15221.1	15743.3	16756.8	16948.2	15515.4	11731.4	8578.1	8100.1	6041.1
70°	16997.9	16939.4	17126.3	18281.4	19185.4	19130.1	16338.6	10792.1	6686.1	4981.1	2988.5
72.5°	16023.3	16304.2	17685.1	19779.6	20883.7	20432.4	15915.9	8287.1	3821.6	1916.3	864.1
73°	15215.5	15575.1	17433.9	19836.0	21017.7	20523.0	15560.8	7606.6	3257.3	1512.5	655.0
75°	10585.2	11026.6	14433.3	18474.0	20391.4	19553.8	12970.6	4655.9	1509.2	670.5	264.5
77.5°	5139.3	5465.8	7947.4	13347.9	15858.4	15277.5	8074.7	1734.9	681.5	419.3	121.7
80°	1918.5	2133.2	3449.8	6793.4	9164.5	9404.6	3551.6	656.1	453.7	337.5	61.9
82.5°	502.3	559.9	1272.4	3029.4	4696.8	4915.9	1119.7	330.8	331.9	277.7	37.6
85°	160.4	183.7	397.2	1359.8	2212.9	1942.8	292.1	160.4	241.2	206.9	21.1
87.5°	19.9	25.4	126.1	319.8	487.9	271.1	45.4	47.6	102.9	115.0	12.2
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°	3890.1	3890.1	3890.1	3890.1	3890.1	3890.1	3890.1	3890.1	3890.1	3890.1	3890.1
2.5°	3899.0	3893.5	3894.6	3865.8	3847.0	3809.4	3770.7	3753.0	3734.2	3726.5	3734.2
5°	3918.9	3909.0	3880.3	3791.7	3697.7	3575.9	3462.0	3375.7	3267.3	3237.4	3268.3
7.5°	3949.9	3930.0	3845.9	3665.5	3456.5	3224.1	2963.0	2772.7	2616.7	2516.0	2552.5
10°	3995.3	3957.7	3788.4	3481.9	3107.9	2696.4	2325.7	2036.9	1832.3	1748.1	1744.8
12.5°	4071.6	4000.8	3717.6	3242.9	2681.9	2133.2	1647.4	1334.3	1168.3	1061.0	1058.9
15°	4155.7	4051.8	3628.0	2956.4	2186.2	1528.0	1061.0	823.2	715.9	681.5	677.1
17.5°	4258.7	4110.4	3511.7	2603.4	1667.4	1012.4	692.6	624.0	619.6	616.3	616.3
20°	4388.1	4180.0	3362.4	2199.6	1182.8	676.0	588.6	593.0	595.3	590.8	591.9
22.5°	4538.6	4250.8	3184.3	1765.8	799.9	565.4	563.2	568.7	570.9	568.7	569.8
25°	4713.4	4332.7	2967.4	1311.2	577.6	536.6	542.2	549.9	555.4	555.4	555.4
27.5°	4930.2	4432.3	2706.3	915.1	499.0	506.8	522.2	536.6	544.4	546.5	546.5
30°	5212.4	4556.3	2393.2	627.3	453.7	466.9	495.7	523.3	537.7	539.9	541.0
32.5°	5568.6	4695.7	2030.3	463.6	414.9	424.9	455.8	502.3	530.0	534.4	534.4
35°	5976.9	4857.2	1639.7	403.8	387.2	390.6	414.9	468.0	516.7	528.8	530.0
37.5°	6423.9	5016.6	1247.0	377.3	364.0	364.0	381.7	427.1	484.6	522.2	526.7
40°	6841.0	5112.8	874.1	356.2	343.0	343.0	358.5	391.7	445.9	502.3	514.5
42.5°	7226.0	5146.0	608.5	336.4	323.1	326.4	339.6	366.2	407.2	463.6	474.6
45°	7622.1	5140.5	443.7	313.1	303.1	313.1	323.1	343.0	372.9	404.9	407.2
47.5°	7920.9	5094.0	351.8	291.0	284.3	297.6	306.5	319.8	336.4	334.1	334.1
50°	8200.8	4981.1	283.3	261.1	265.6	281.0	285.4	289.9	291.0	270.0	267.7
52.5°	8413.3	4805.2	226.8	229.1	246.8	262.2	257.8	251.1	240.1	214.6	210.3
55°	8484.1	4466.7	178.1	189.2	219.1	238.9	222.4	208.0	187.0	166.0	161.5
57.5°	8355.7	4029.6	144.9	147.2	184.8	201.4	182.6	166.0	142.7	125.0	121.7
60°	8083.5	3543.9	119.5	110.7	142.7	157.2	144.9	128.4	107.3	94.1	93.0
62.5°	7543.6	3026.0	98.5	86.3	108.4	120.6	112.8	100.7	83.0	74.2	73.0
65°	6408.4	2420.8	79.6	69.7	84.1	94.1	87.4	78.5	65.3	58.6	57.6
67.5°	4473.3	1636.4	65.3	57.6	66.4	74.2	68.6	64.2	52.0	50.9	52.0
70°	2157.6	788.8	54.2	46.5	52.0	57.6	55.3	52.0	49.7	57.6	66.4
72.5°	618.5	264.5	43.1	38.8	42.0	45.4	47.6	46.5	54.2	69.7	80.8
73°	475.7	213.5	40.9	36.5	39.9	44.2	46.5	45.4	55.3	70.8	80.8
75°	203.5	102.9	31.0	29.9	33.2	38.8	40.9	40.9	55.3	71.9	77.4
77.5°	91.9	55.3	19.9	23.2	28.8	31.0	34.3	34.3	44.2	55.3	55.3
80°	52.0	29.9	15.5	17.7	21.1	21.1	21.1	18.8	19.9	22.2	24.3
82.5°	33.2	19.9	12.2	14.3	13.3	11.1	8.8	8.8	7.7	8.8	11.1
85°	18.8	11.1	11.1	8.8	5.5	4.5	5.5	4.5	1.1	0.0	1.1
87.5°	11.1	6.6	3.4	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)