

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: P269386

Luminaire Tested: **GLEON-AF-06-LED-E1-SL2-7027-600**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P269386  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24286)  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GLEON-AF-06-LED-E1-SL2-7027-600  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL  
LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 19964.3 lumens  
Efficiency: N/A  
Efficacy: 103.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type II - Short - Semi-Cutoff  
BUG Rating: B3 - U0 - G3

Input Watts (W): 193  
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: 25 FT

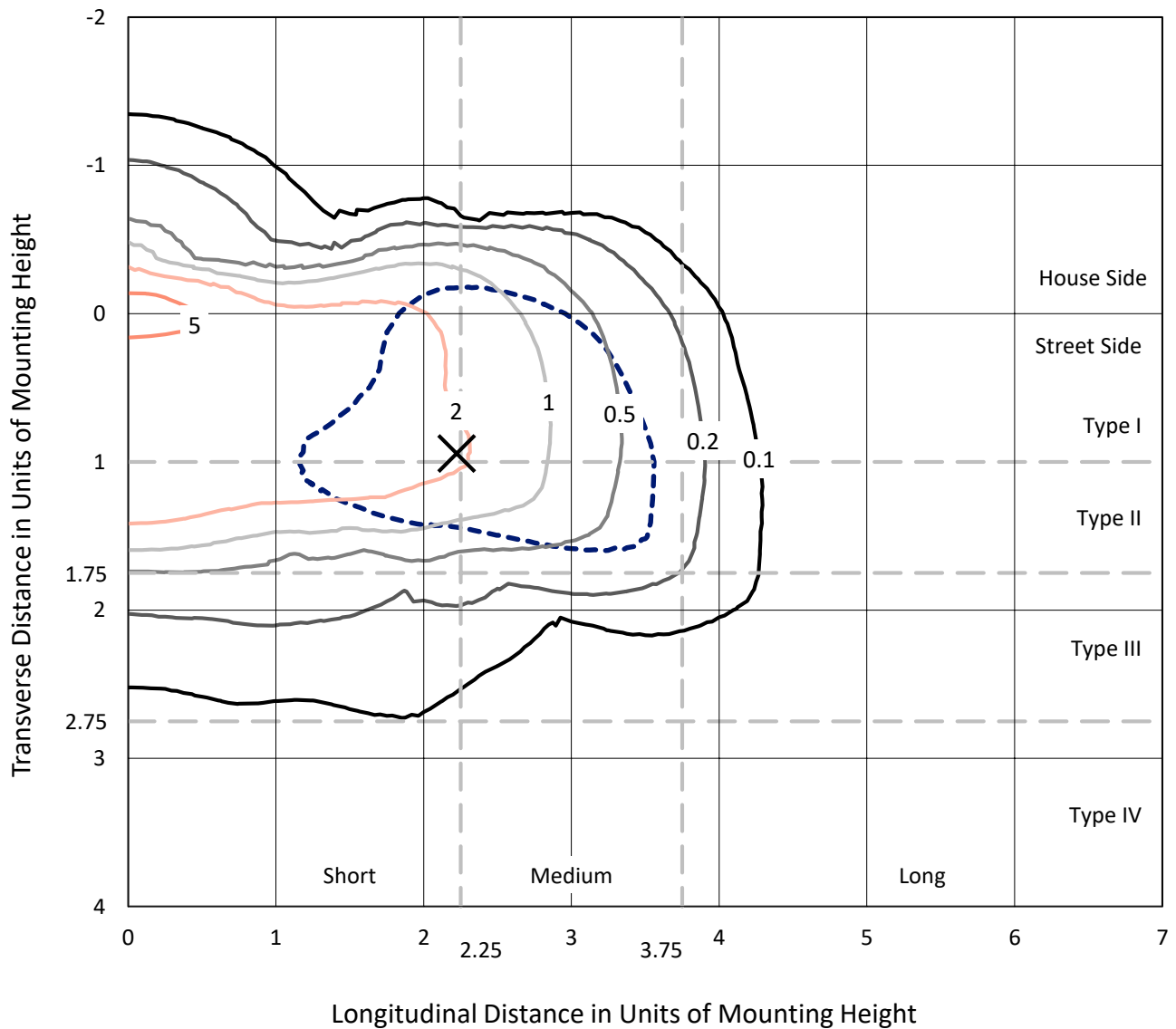


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### Iso-Footcandle Lines of Horizontal Illumination

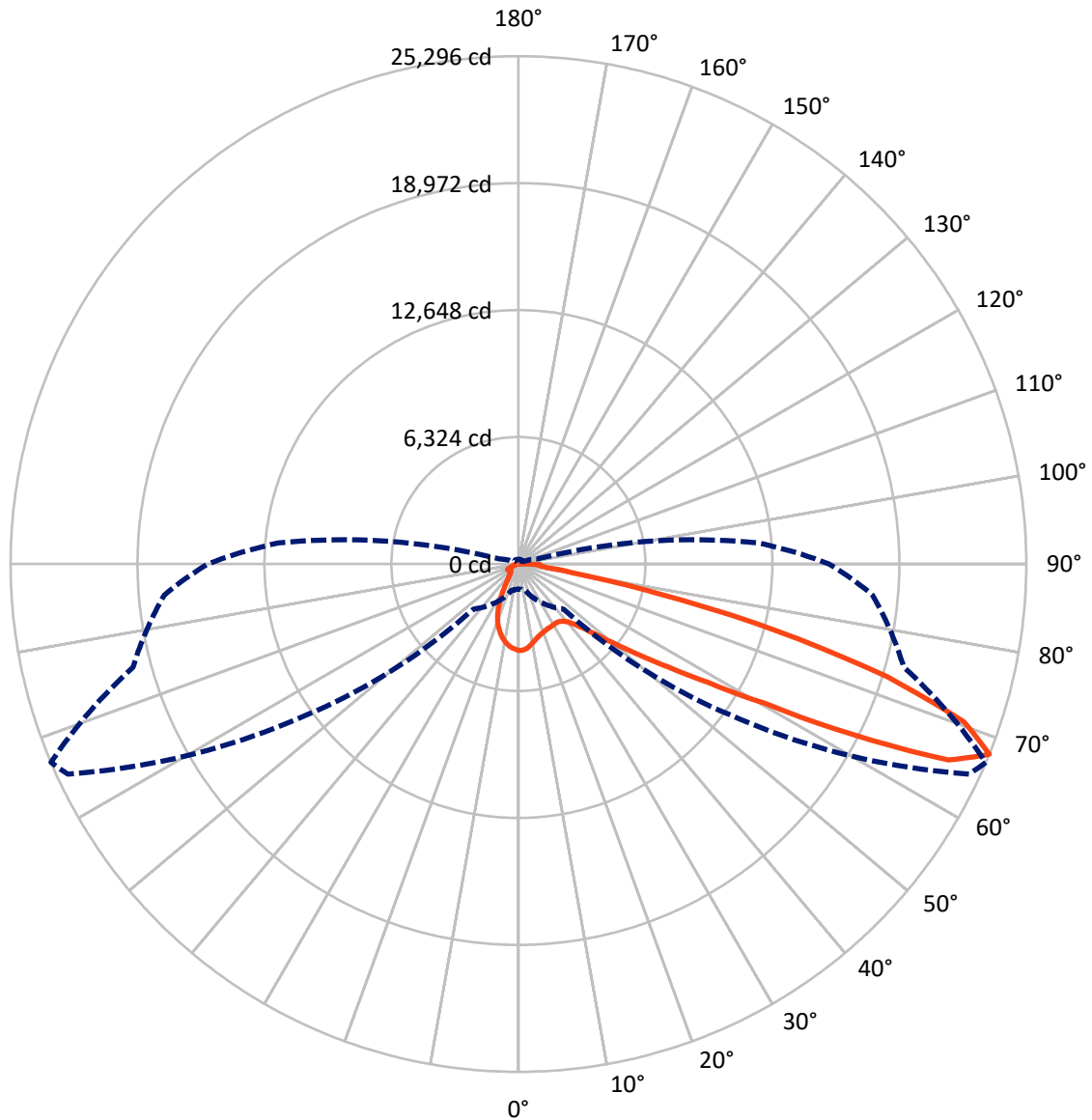
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc  
 Type II - Short - Semi-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3307.9	0.0	3307.9
	% Fixture	16.6	0.0	16.6
<b>Street Side</b>	Lumens	16656.4	0.0	16656.4
	% Fixture	83.4	0.0	83.4
<b>Total</b>	Lumens	19964.3	0.0	19964.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	367.4	1.8
10°-20°	850.1	4.3
20°-30°	1152.3	5.8
30°-40°	1638.1	8.2
40°-50°	2740.6	13.7
50°-60°	4335.6	21.7
60°-70°	5523.2	27.7
70°-80°	2893.0	14.5
80°-90°	464.0	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°	19964.3	100.0
0°-180°	19964.3	100.0

**Coefficient of Utilization**



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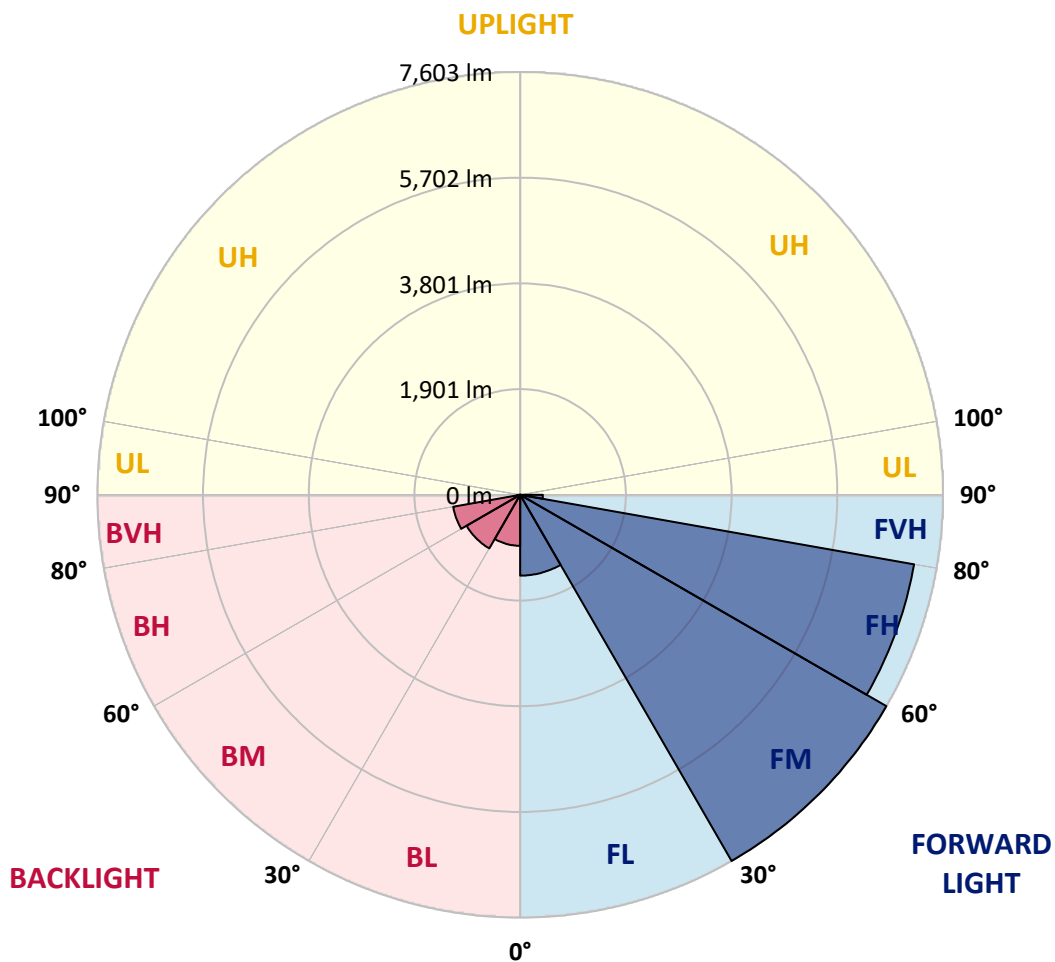
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1452.9	7.3			
FM (30°-60°)	7602.8	38.1			
FH (60°-80°)	7192.7	36.0			G3/7500
FVH (80°-90°)	408.0	2.0			G3/500
BL (0°-30°)	916.9	4.6	B2/1000		
BM (30°-60°)	1111.5	5.6	B2/2500		
BH (60°-80°)	1223.5	6.1	B3/2500		G3/2500
BVH (80°-90°)	56.0	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°	55°	65°	67°	75°	85°
0°	4306.3	4306.3	4306.3	4306.3	4306.3	4306.3	4306.3	4306.3	4306.3	4306.3	4306.3
2.5°	4129.0	4135.9	4157.5	4171.4	4233.4	4260.0	4278.6	4297.4	4300.4	4309.2	4300.4
5°	3695.8	3710.5	3751.1	3796.2	3916.4	4010.9	4110.4	4213.7	4232.5	4299.4	4318.1
7.5°	3360.1	3356.2	3389.7	3443.8	3566.9	3697.9	3872.1	4077.9	4118.2	4268.8	4341.7
10°	3115.1	3112.1	3147.5	3203.5	3320.8	3444.8	3641.6	3923.3	3980.4	4220.5	4364.3
12.5°	2933.9	2934.9	2970.2	3032.3	3151.4	3276.5	3476.4	3773.6	3846.5	4164.5	4388.0
15°	2813.8	2821.5	2850.1	2916.1	3032.3	3157.4	3353.3	3661.4	3743.1	4120.2	4414.5
17.5°	2773.3	2786.2	2796.1	2844.3	2943.7	3068.7	3260.7	3578.7	3665.4	4089.7	4438.2
20°	2810.7	2825.6	2806.8	2823.6	2886.7	2996.8	3187.8	3513.7	3602.4	4055.2	4441.1
22.5°	2971.2	2985.1	2929.9	2881.7	2877.7	2944.6	3127.8	3462.5	3554.1	4029.5	4442.1
25°	3253.8	3262.6	3170.1	3057.9	2948.5	2926.0	3085.5	3427.0	3524.6	4007.0	4423.4
27.5°	3600.3	3607.2	3501.0	3335.5	3116.0	2970.2	3070.6	3406.5	3507.8	3987.2	4392.0
30°	4021.7	4054.2	3911.5	3702.8	3382.7	3101.2	3100.2	3395.6	3489.0	3953.8	4329.9
32.5°	4453.0	4466.7	4368.3	4156.5	3742.1	3331.5	3183.0	3403.5	3484.2	3913.5	4251.0
35°	4890.1	4907.8	4843.8	4673.5	4233.4	3669.2	3344.4	3449.8	3514.7	3899.6	4196.1
37.5°	5456.1	5479.8	5391.2	5194.3	4830.9	4127.1	3613.2	3565.9	3608.2	3939.1	4179.3
40°	6351.0	6340.2	6081.3	5788.0	5484.7	4712.9	3997.1	3762.8	3787.4	4066.1	4230.5
42.5°	7392.7	7366.1	6920.2	6459.4	6203.4	5421.7	4505.1	4104.4	4099.5	4316.0	4410.6
45°	8223.7	8202.0	7800.3	7232.3	7027.4	6228.9	5161.8	4613.4	4577.0	4712.9	4743.4
47.5°	8673.6	8674.6	8443.2	7979.5	7974.6	7254.9	6005.4	5349.9	5286.9	5350.8	5318.3
50°	8516.0	8536.8	8512.1	8364.4	8839.0	8599.7	7107.2	6376.7	6249.7	6312.7	6187.6
52.5°	7754.0	7780.6	7926.4	8152.7	9202.2	10225.1	8725.7	7652.7	7504.9	7482.3	7343.5
55°	6403.3	6435.7	6733.1	7348.3	8900.0	11316.9	11279.6	9279.0	9043.7	8830.1	8771.1
57.5°	4413.6	4467.7	4946.2	5859.9	7922.3	11646.7	14320.7	11597.6	11119.1	10372.8	10386.7
60°	2487.9	2550.8	3115.1	3944.9	5949.5	11288.5	16634.4	15109.3	14099.2	12179.4	12281.7
62.5°	1582.2	1650.0	2078.3	2740.9	3569.9	9358.7	17582.3	19991.5	18708.7	14406.4	14506.8
65°	1280.9	1310.4	1512.1	2262.4	2592.1	5638.3	16862.8	24013.2	23534.8	17232.8	16764.3
67.5°	1250.4	1260.2	1364.5	1899.1	2485.9	3169.1	13450.4	24765.5	25296.0	19872.3	17704.4
70°	1235.6	1270.1	1537.8	1812.5	2380.6	2672.9	8082.8	22703.9	23541.6	20562.6	16453.1
72.5°	599.6	597.6	773.8	1639.1	2681.8	2772.3	4152.7	18370.0	19210.8	17814.7	13520.3
75°	483.4	442.1	422.4	600.5	2578.4	2863.0	2646.3	12640.1	13248.6	11944.1	8311.3
77.5°	458.8	409.5	375.1	376.1	1089.9	3036.2	2241.7	6995.9	7173.1	5395.1	2277.2
80°	380.1	334.7	310.2	349.5	527.8	2891.6	2423.8	3166.2	2905.3	1325.2	758.1
82.5°	263.8	240.2	233.3	293.3	422.4	2060.6	2818.6	1701.2	1426.6	663.6	467.7
85°	168.3	143.8	159.4	213.6	328.8	951.0	2903.3	1326.2	1054.4	421.3	263.8
87.5°	77.8	63.1	78.7	118.1	214.7	327.8	2762.6	1489.6	1086.0	222.5	166.4
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°	4306.3	4306.3	4306.3	4306.3	4306.3	4306.3	4306.3	4306.3	4306.3	4306.3	4306.3
2.5°	4308.2	4289.5	4274.8	4247.1	4216.6	4187.1	4160.5	4127.1	4117.2	4108.4	4122.1
5°	4322.0	4303.3	4249.2	4164.5	4070.9	3983.4	3895.7	3820.9	3774.6	3749.0	3763.8
7.5°	4342.6	4316.0	4203.9	4048.3	3880.0	3726.3	3567.9	3440.9	3347.4	3303.1	3315.9
10°	4361.5	4310.2	4127.1	3893.8	3647.6	3419.2	3169.1	2962.4	2808.8	2728.2	2747.7
12.5°	4369.3	4287.5	4019.7	3700.7	3363.1	3028.4	2660.2	2351.0	2130.5	2049.8	2033.0
15°	4377.1	4262.0	3901.6	3481.2	3019.6	2545.9	2030.1	1659.9	1476.8	1436.4	1427.5
17.5°	4379.1	4217.6	3767.8	3243.1	2616.9	1972.0	1388.2	1152.9	1153.9	1218.8	1226.6
20°	4358.4	4151.6	3605.3	2946.6	2134.5	1363.5	953.0	912.7	1061.3	1223.8	1243.4
22.5°	4311.1	4064.0	3421.1	2601.1	1582.2	897.9	737.4	781.7	973.8	1172.6	1195.1
25°	4251.0	3957.8	3203.5	2200.4	1047.6	641.8	618.3	672.4	802.4	935.2	948.2
27.5°	4169.5	3831.7	2959.5	1741.6	680.2	528.7	544.5	580.8	634.1	693.1	699.1
30°	4064.0	3681.1	2698.6	1270.1	513.9	475.6	498.2	517.9	540.5	573.9	576.9
32.5°	3943.0	3536.4	2430.8	877.3	455.8	448.0	465.7	475.6	493.2	513.9	515.8
35°	3841.5	3398.6	2153.1	620.2	431.2	427.2	439.1	443.0	459.8	482.4	484.4
37.5°	3783.5	3286.3	1866.7	500.1	414.5	408.5	415.5	415.5	439.1	472.6	477.4
40°	3787.4	3224.2	1580.2	451.8	400.7	392.7	393.7	393.7	424.3	460.7	463.7
42.5°	3894.7	3240.0	1326.2	433.3	389.9	381.1	376.1	379.1	404.6	428.2	430.2
45°	4146.8	3351.2	1087.8	421.3	379.1	376.1	365.3	364.3	374.1	385.0	385.0
47.5°	4560.2	3570.9	926.4	413.5	370.2	369.3	356.4	343.6	342.7	346.6	346.6
50°	5232.6	3948.9	818.1	404.6	364.3	356.4	341.6	322.0	315.0	318.0	318.0
52.5°	6240.9	4623.2	776.8	392.7	351.4	338.8	322.0	302.2	296.4	297.2	297.2
55°	7563.0	5659.0	770.8	379.1	337.8	317.0	303.3	288.4	281.6	283.5	283.5
57.5°	9178.6	7091.4	876.1	357.3	319.0	295.4	287.5	277.7	272.7	275.7	274.7
60°	11142.7	8966.0	1299.6	334.7	300.3	275.7	275.7	267.8	263.8	266.7	265.8
62.5°	13405.0	11119.1	1827.2	318.0	280.6	259.9	263.8	259.9	255.9	258.0	256.9
65°	15411.5	12522.1	1711.1	305.2	260.9	245.1	252.1	250.1	247.2	249.1	248.1
67.5°	15469.6	12002.2	960.8	291.4	242.3	230.3	240.2	239.3	237.2	239.3	238.2
70°	13805.8	10134.6	541.5	265.8	222.5	212.7	226.5	225.5	223.5	227.5	226.5
72.5°	11061.0	7354.3	395.8	234.3	202.7	193.9	209.8	208.8	208.8	214.7	211.7
75°	6364.9	3784.5	316.1	200.9	182.1	175.2	189.1	190.0	192.0	199.9	193.9
77.5°	1814.4	1179.5	258.0	170.3	156.6	153.6	167.4	169.3	170.3	179.2	171.2
80°	674.4	543.5	212.7	142.7	128.0	128.9	141.8	144.7	145.7	154.6	144.7
82.5°	430.2	358.3	172.2	110.2	100.4	99.4	115.3	119.1	119.1	120.2	114.3
85°	251.0	214.7	130.0	79.8	70.8	67.9	85.7	92.5	89.7	87.7	83.7
87.5°	168.3	147.7	79.8	44.2	38.4	36.4	50.2	55.2	53.2	50.2	47.3
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)