

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: P383295

Luminaire Tested: **GLEON-SA6A-735-U-T4FT**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P383295  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GLEON-SA6A-735-U-T4FT  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
FORWARD THROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 26120.6 lumens  
Efficiency: N/A  
Efficacy: 135.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

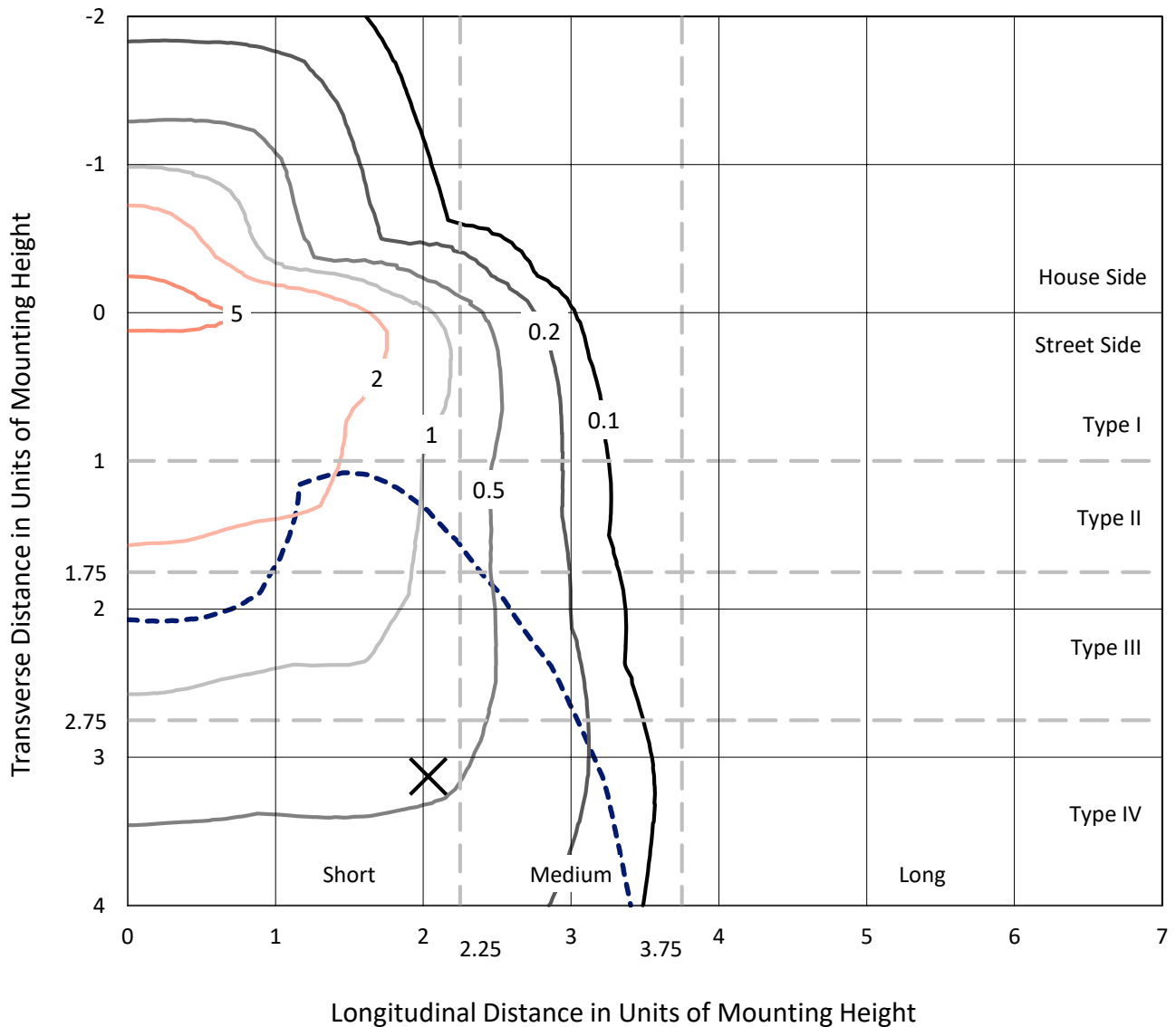
Input Watts (W): 193  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

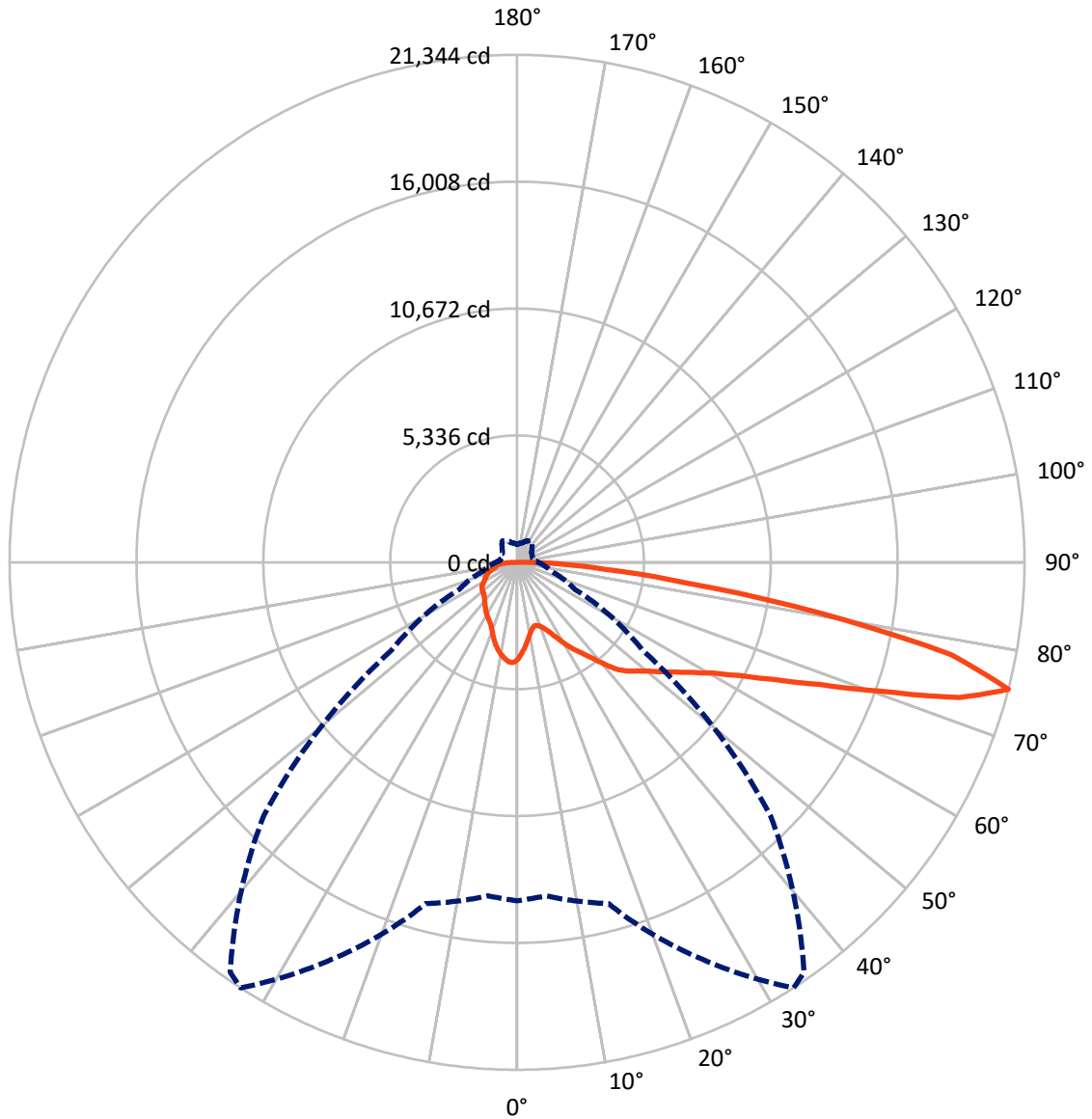
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral      - - - Horizontal Cone Through 75-Deg Vertical

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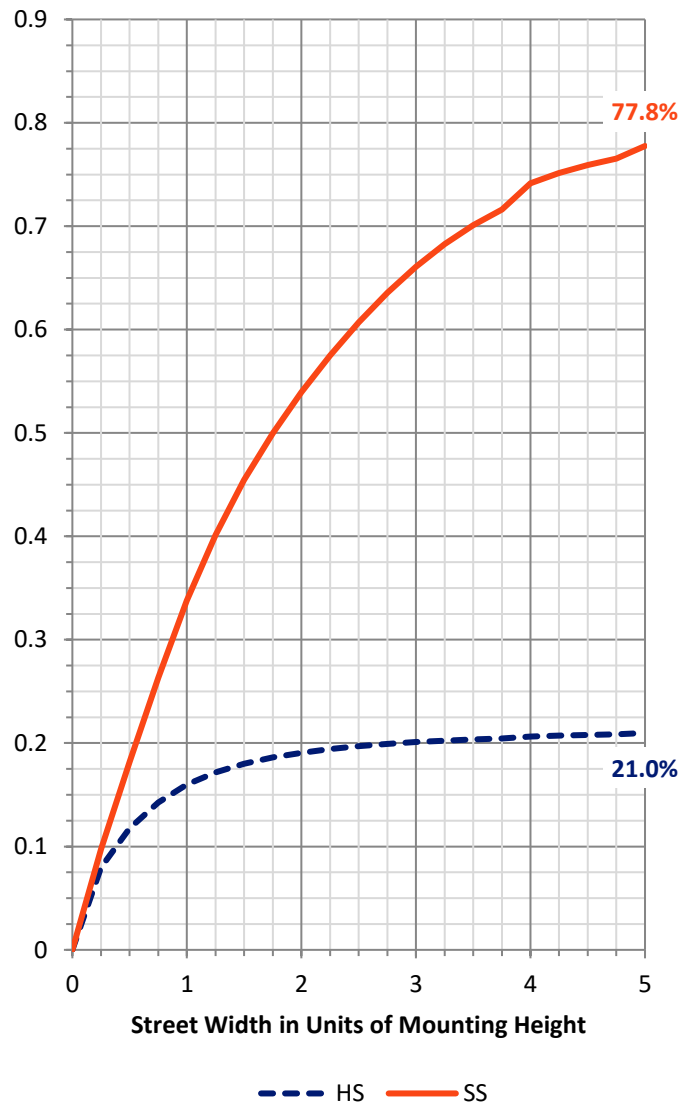
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5608.8	0.0	5608.8
	% Fixture	21.5	0.0	21.5
<b>Street Side</b>	Lumens	20511.8	0.0	20511.8
	% Fixture	78.5	0.0	78.5
<b>Total</b>	Lumens	26120.6	0.0	26120.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	369.2	1.4
10°-20°	1000.0	3.8
20°-30°	1633.2	6.3
30°-40°	2432.3	9.3
40°-50°	3488.5	13.4
50°-60°	4789.2	18.3
60°-70°	5995.9	23.0
70°-80°	5424.2	20.8
80°-90°	988.0	3.8
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°	26120.6	100.0
0°-180°	26120.6	100.0

**Coefficient of Utilization**

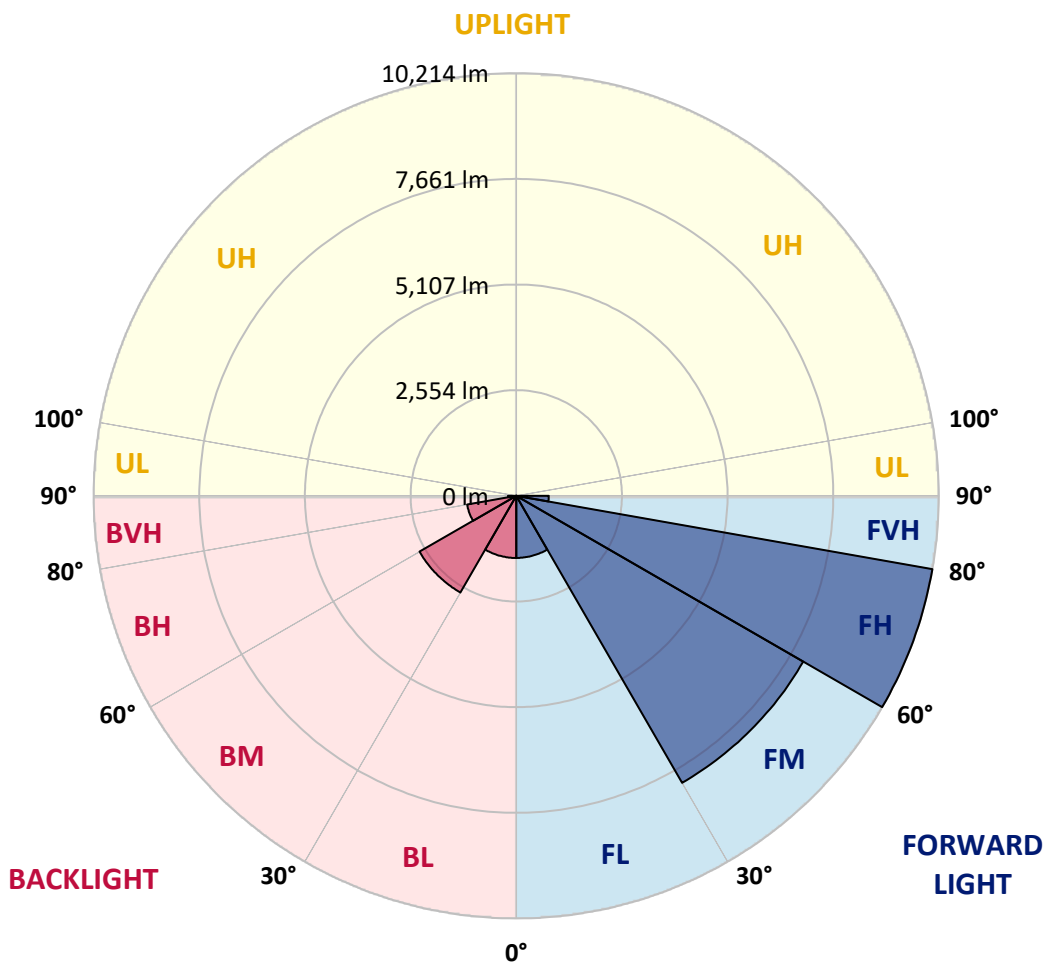


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1500.2	5.7			
FM (30°-60°)	8010.6	30.7			
FH (60°-80°)	10214.1	39.1			G4/12000
FVH (80°-90°)	786.9	3.0			G5
BL (0°-30°)	1502.3	5.8	B3/2500		
BM (30°-60°)	2699.3	10.3	B3/5000		
BH (60°-80°)	1206.0	4.6	B3/2500		G3/2500
BVH (80°-90°)	201.2	0.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	4082.8	4082.8	4082.8	4082.8	4082.8	4082.8	4082.8	4082.8	4082.8	4082.8	4082.8
2.5°	3791.4	3777.0	3804.0	3807.6	3831.1	3840.1	3872.5	3923.1	3964.6	4012.5	4055.8
5°	3447.6	3437.7	3475.6	3502.6	3554.0	3575.7	3652.4	3759.8	3855.4	3963.7	4062.0
7.5°	3121.0	3115.6	3157.9	3219.3	3278.9	3308.7	3441.3	3597.4	3757.1	3932.2	4082.8
10°	2845.8	2844.0	2884.5	2945.0	3032.6	3065.9	3237.4	3443.1	3666.9	3907.7	4118.0
12.5°	2691.5	2697.8	2716.8	2767.3	2848.5	2881.8	3072.2	3314.1	3591.0	3899.6	4169.4
15°	2729.3	2739.3	2706.8	2705.0	2762.8	2789.0	2967.5	3222.0	3536.9	3913.2	4244.3
17.5°	2890.9	2892.7	2806.9	2752.8	2788.0	2801.5	2935.1	3169.7	3505.3	3943.8	4338.1
20°	3118.3	3113.8	2962.1	2872.0	2890.9	2894.5	2981.1	3170.6	3502.6	3997.1	4460.0
22.5°	3419.6	3386.3	3182.4	3059.6	3055.1	3049.7	3099.4	3237.4	3542.3	4083.7	4605.2
25°	3813.0	3781.4	3500.8	3333.0	3296.9	3283.4	3290.6	3379.9	3620.8	4176.6	4767.7
27.5°	4250.7	4195.6	3924.9	3687.6	3612.7	3593.7	3550.4	3581.1	3706.5	4265.9	4960.7
30°	4616.9	4587.1	4350.8	4069.3	3980.9	3953.8	3840.1	3806.7	3830.2	4387.8	5204.3
32.5°	4821.8	4801.9	4658.5	4431.1	4348.9	4311.1	4150.5	4083.7	4028.7	4580.0	5534.5
35°	5069.9	5057.3	4970.6	4805.5	4683.7	4644.0	4519.5	4450.0	4308.4	4844.3	5961.3
37.5°	5385.6	5372.1	5373.9	5240.4	5095.2	5058.1	4976.0	4902.9	4671.1	5191.7	6425.1
40°	5743.0	5716.8	5706.8	5700.6	5608.6	5587.8	5544.5	5445.3	5125.8	5606.7	6882.6
42.5°	6280.8	6187.8	5989.3	6064.2	6155.3	6144.5	6179.7	6037.1	5631.1	6097.5	7329.1
45°	6799.6	6647.1	6304.2	6320.5	6519.8	6580.3	6843.8	6742.7	6178.8	6635.3	7791.2
47.5°	7036.0	6920.5	6629.0	6629.9	6827.5	6953.0	7530.4	7458.2	6754.5	7246.1	8355.1
50°	7300.4	7184.8	6923.2	7021.5	7193.9	7327.4	8193.5	8156.5	7302.1	7914.8	9030.9
52.5°	7589.0	7393.2	7227.2	7403.2	7644.9	7800.1	8857.6	8756.5	7804.7	8587.8	9807.7
55°	7592.7	7539.4	7665.7	7794.7	8156.5	8346.9	9553.3	9286.2	8214.3	9249.2	10440.2
57.5°	8024.8	7938.2	8206.2	8265.7	8738.6	8953.3	10245.3	9747.2	8631.2	9756.3	10781.3
60°	8596.9	8522.9	8742.1	8899.2	9458.6	9745.5	10984.3	10220.9	8958.7	10138.9	10765.1
62.5°	9584.9	9500.9	9498.2	9718.4	10471.8	10805.7	11813.5	10685.7	9088.6	10214.7	10305.8
65°	11031.2	10897.7	10645.9	10750.6	11871.3	12204.2	12740.1	11022.2	8917.1	9808.6	9122.9
67.5°	12438.8	12434.3	12124.7	12339.6	13719.1	13986.2	13795.8	11055.6	8382.2	8394.7	7024.2
70°	13841.8	13859.8	13807.5	14554.6	16215.7	16493.6	14920.0	10607.2	7179.4	6062.4	4208.2
72.5°	14953.4	14948.9	15212.4	17138.7	19455.7	19393.5	15867.4	9248.3	5154.7	3272.5	2011.2
75°	14233.4	14076.4	14861.4	18418.2	21344.2	21040.1	15061.6	6451.2	2675.2	1489.6	1082.7
77.5°	9283.5	9432.4	10584.6	15215.1	18669.9	18300.0	11050.2	3010.0	1260.5	977.2	785.0
80°	3361.9	3518.8	4956.2	8618.5	12862.8	12802.4	5441.6	1237.0	852.6	738.1	572.1
82.5°	1156.7	1214.5	1955.2	3827.4	7262.4	7533.1	2047.3	702.9	619.9	523.3	391.6
85°	453.8	519.7	894.2	1841.6	3663.2	3690.3	829.2	420.5	431.3	342.9	214.7
87.5°	172.3	209.3	427.7	855.3	1672.8	1536.6	296.9	200.3	245.5	203.9	101.9
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°	4082.8	4082.8	4082.8	4082.8	4082.8	4082.8	4082.8	4082.8	4082.8	4082.8	4082.8
2.5°	4089.1	4108.0	4147.7	4174.8	4203.7	4211.8	4215.4	4222.6	4229.9	4227.2	4228.1
5°	4114.4	4151.3	4215.4	4242.5	4255.1	4240.7	4212.7	4190.2	4173.9	4164.9	4162.2
7.5°	4155.9	4208.2	4276.8	4272.3	4243.4	4179.3	4107.2	4053.0	4007.9	3991.7	3982.6
10°	4210.9	4272.3	4320.1	4268.6	4184.8	4073.8	3965.5	3881.6	3813.9	3787.8	3783.2
12.5°	4281.3	4343.5	4352.6	4243.4	4104.5	3952.8	3805.8	3694.8	3593.7	3561.3	3554.0
15°	4372.4	4431.1	4375.1	4199.2	4005.2	3801.3	3610.9	3460.2	3353.8	3314.1	3299.6
17.5°	4468.1	4524.0	4379.7	4126.1	3875.2	3621.8	3382.6	3228.4	3106.5	3060.5	3055.1
20°	4582.7	4607.9	4360.7	4021.4	3696.7	3389.0	3137.2	2991.9	2927.0	2894.5	2890.9
22.5°	4724.3	4697.2	4317.4	3879.8	3470.1	3120.0	2915.3	2847.6	2831.3	2824.1	2826.9
25°	4874.1	4791.0	4253.4	3694.8	3184.1	2851.2	2752.8	2771.8	2793.4	2790.7	2790.7
27.5°	5039.2	4886.7	4155.0	3449.4	2867.4	2631.1	2642.8	2712.2	2744.7	2743.8	2742.9
30°	5251.2	4995.0	4029.6	3154.3	2571.4	2475.9	2547.1	2631.9	2676.1	2674.4	2675.2
32.5°	5512.0	5114.1	3859.0	2825.0	2357.7	2361.3	2443.4	2527.3	2578.7	2574.1	2575.1
35°	5817.0	5247.6	3628.0	2500.2	2216.0	2270.1	2335.1	2393.7	2442.4	2436.2	2429.8
37.5°	6149.0	5378.5	3321.2	2209.6	2100.5	2185.3	2239.4	2249.4	2272.0	2255.6	2244.0
40°	6464.8	5478.6	2926.1	1971.4	1984.1	2113.1	2148.3	2108.7	2068.0	2062.6	2046.3
42.5°	6740.0	5512.0	2526.4	1781.1	1861.4	2037.3	2059.0	1976.0	1902.9	1868.6	1854.2
45°	7030.5	5523.7	2153.7	1621.4	1743.2	1969.7	1993.1	1882.2	1779.3	1705.3	1681.0
47.5°	7410.4	5608.6	1864.1	1503.1	1652.9	1924.6	1957.9	1807.3	1673.7	1568.2	1545.6
50°	7907.5	5776.3	1628.6	1413.0	1594.3	1894.8	1932.7	1734.2	1587.1	1459.9	1437.3
52.5°	8459.8	5930.7	1438.2	1339.8	1537.5	1842.4	1900.2	1681.8	1505.9	1359.7	1335.4
55°	8845.9	5812.5	1284.9	1264.1	1463.5	1767.5	1855.1	1637.7	1389.5	1262.2	1240.6
57.5°	8919.8	5408.2	1168.4	1185.6	1374.1	1673.7	1785.6	1539.3	1326.3	1219.9	1197.3
60°	8717.8	4845.3	1081.8	1113.4	1278.5	1555.5	1655.6	1469.8	1265.9	1174.8	1155.8
62.5°	8209.8	4268.6	1017.8	1048.5	1189.2	1435.5	1574.5	1396.8	1204.5	1123.4	1104.3
65°	7183.9	3583.8	956.4	990.7	1106.2	1331.7	1501.4	1329.0	1144.1	1081.8	1063.8
67.5°	5422.6	2684.3	898.7	929.3	1032.2	1241.6	1422.0	1262.2	1085.4	1045.8	1024.1
70°	3193.2	1681.0	832.8	865.3	954.6	1147.7	1337.1	1189.2	1012.3	994.3	966.3
72.5°	1486.0	1011.5	757.9	789.5	857.1	1022.3	1228.0	1093.5	925.8	886.0	848.2
75°	886.9	739.8	669.5	697.4	745.2	888.7	1090.8	996.1	843.6	791.3	751.6
77.5°	663.2	565.7	572.1	601.8	640.6	777.7	966.3	919.4	780.5	739.8	712.8
80°	477.3	429.4	466.5	498.9	539.6	707.4	925.8	849.9	705.6	651.4	626.2
82.5°	318.5	308.6	351.0	384.4	424.0	618.9	869.8	744.4	602.7	534.1	478.2
85°	176.0	185.8	236.4	250.9	285.1	435.8	712.8	598.2	453.8	365.4	349.1
87.5°	73.1	85.7	127.2	122.7	151.6	259.9	469.2	360.9	288.7	215.7	167.9
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)