

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: P383318

Luminaire Tested: **GLEON-SA6B-735-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383318
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
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-T3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23202.1 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

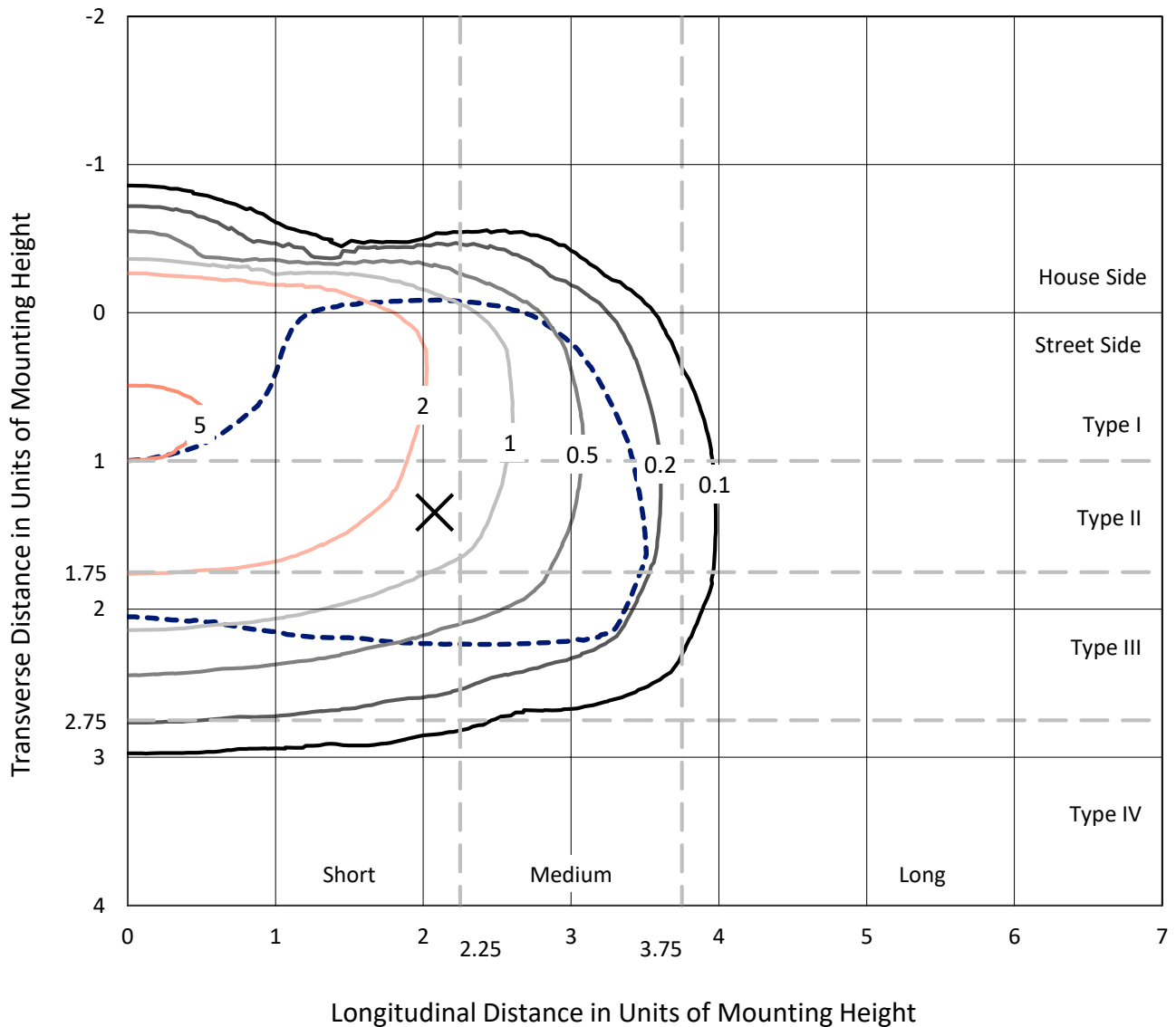
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P383318
 CATALOG NUMBER: GLEON-SA6B-735-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

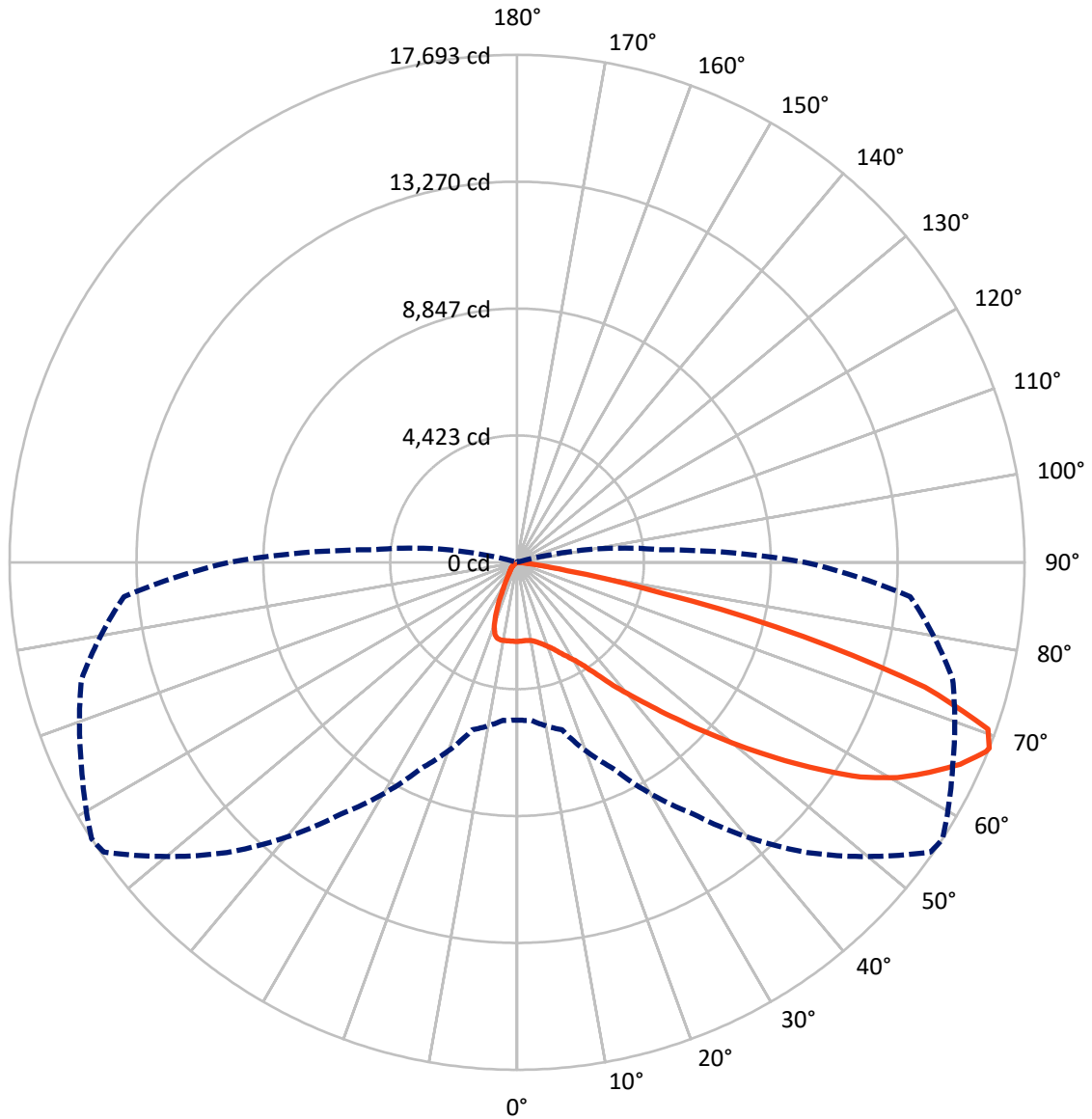
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Short - N/A

REPORT NUMBER: P383318
CATALOG NUMBER: GLEON-SA6B-735-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

REPORT NUMBER: P383318
 CATALOG NUMBER: GLEON-SA6B-735-U-T3-HSS

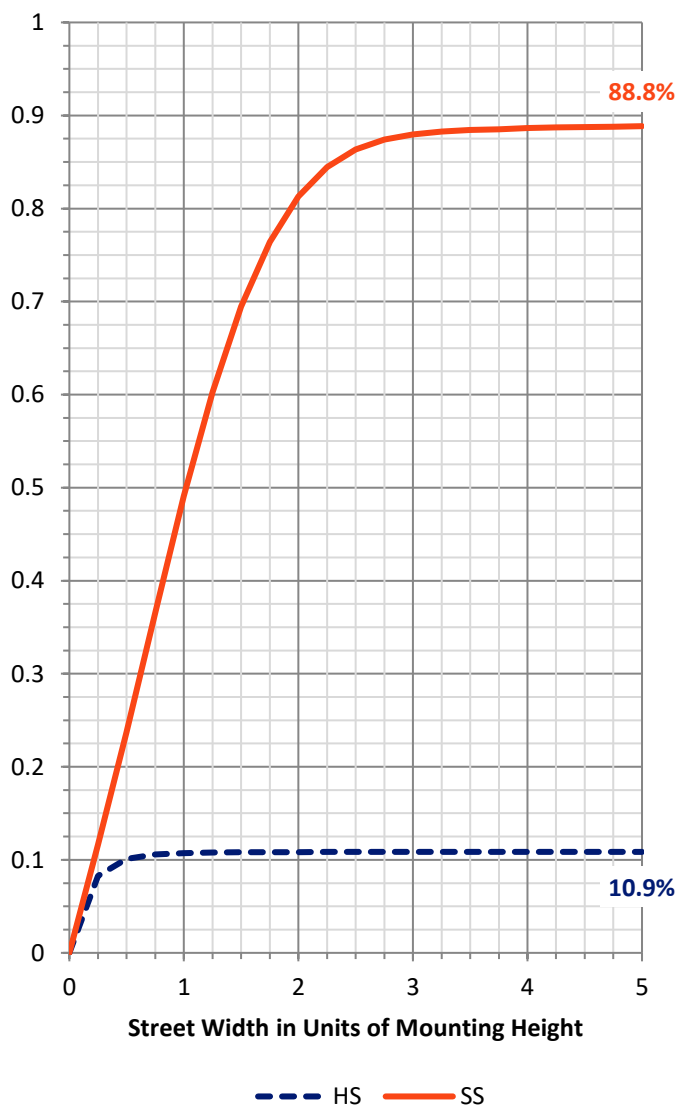
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2544.3	0.0	2544.3
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	20657.8	0.0	20657.8
	% Fixture	89.0	0.0	89.0
Total	Lumens	23202.1	0.0	23202.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.0	1.1
10°-20°	715.0	3.1
20°-30°	1233.4	5.3
30°-40°	2128.8	9.2
40°-50°	3641.4	15.7
50°-60°	5825.9	25.1
60°-70°	6731.1	29.0
70°-80°	2572.1	11.1
80°-90°	96.4	0.4
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°	23202.1	100.0
0°-180°	23202.1	100.0

Coefficient of Utilization



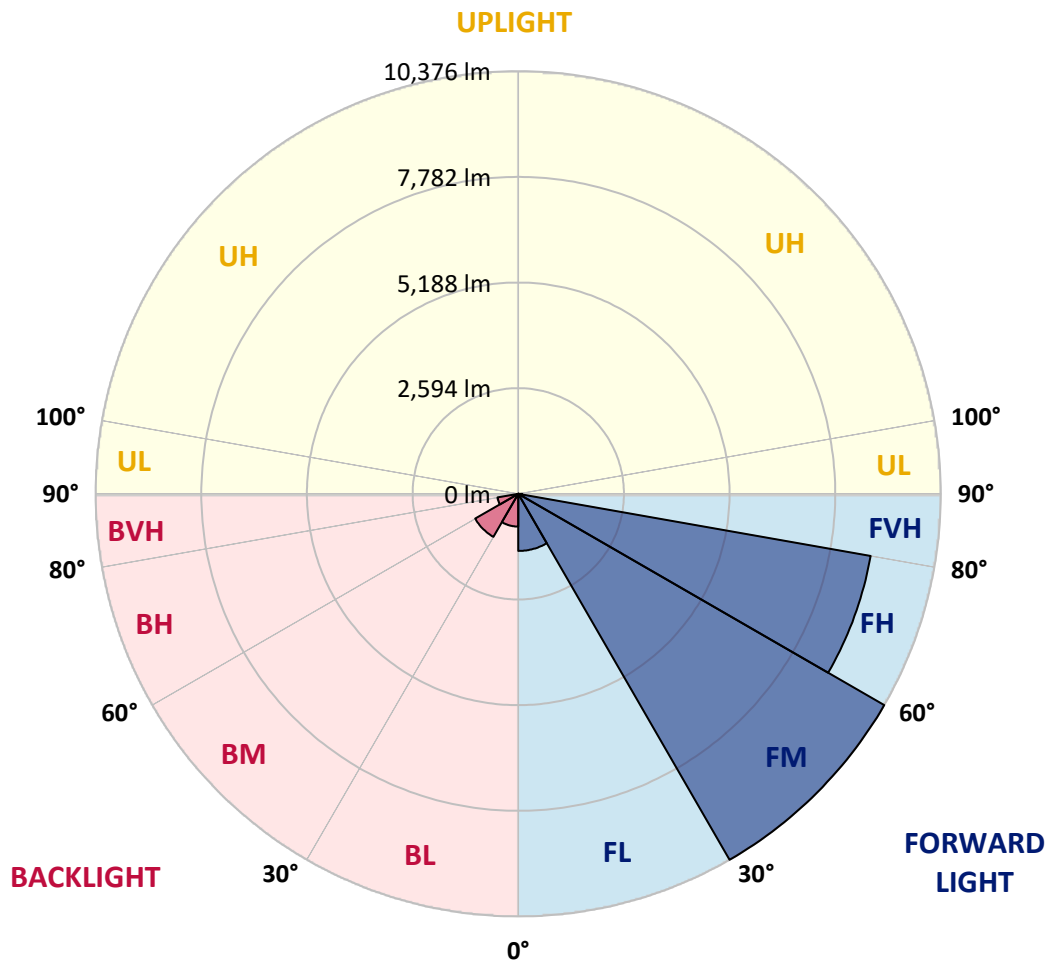
REPORT NUMBER: P383318
 CATALOG NUMBER: GLEON-SA6B-735-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1402.3	6.0			
FM (30°-60°)	10375.8	44.7			
FH (60°-80°)	8785.0	37.9			G4/12000
FVH (80°-90°)	94.7	0.4			G1/100
BL (0°-30°)	804.1	3.5	B2/1000		
BM (30°-60°)	1220.3	5.3	B2/2500		
BH (60°-80°)	518.2	2.2	B2/1000		G2/1000
BVH (80°-90°)	1.8	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 III Short





REPORT NUMBER: P383318

CATALOG NUMBER: GLEON-SA6B-735-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	2757.0	2757.0	2757.0	2757.0	2757.0	2757.0	2757.0	2757.0	2757.0	2757.0	2757.0
2.5°	2692.3	2704.4	2713.1	2718.6	2725.2	2739.5	2743.9	2750.4	2753.7	2753.7	2761.4
5°	2585.9	2599.0	2617.6	2633.0	2663.8	2703.3	2731.8	2742.8	2762.5	2780.0	2789.9
7.5°	2487.1	2502.5	2524.4	2560.6	2613.3	2676.9	2736.1	2751.5	2789.9	2827.2	2845.9
10°	2423.5	2435.5	2464.1	2515.6	2584.8	2673.6	2757.0	2775.6	2841.5	2904.0	2939.1
12.5°	2401.5	2412.5	2442.1	2500.3	2585.9	2690.1	2805.3	2832.7	2929.3	3020.4	3069.7
15°	2433.4	2435.5	2467.4	2522.3	2606.7	2730.6	2885.4	2918.3	3040.1	3158.6	3220.0
17.5°	2556.3	2546.4	2562.9	2587.0	2653.9	2784.5	2969.9	3019.2	3181.6	3321.0	3379.1
20°	2863.4	2863.4	2826.1	2760.3	2761.4	2867.9	3084.0	3139.9	3338.5	3499.7	3552.5
22.5°	3389.0	3379.1	3304.5	3143.2	2995.1	3011.5	3223.2	3295.7	3527.2	3699.5	3717.0
25°	4020.8	4008.8	3893.6	3666.5	3409.8	3244.1	3412.0	3495.4	3752.1	3904.6	3868.3
27.5°	4690.1	4680.2	4566.2	4284.2	3918.8	3615.0	3636.9	3715.9	3981.3	4131.7	4016.5
30°	5338.5	5341.8	5228.8	4939.2	4525.6	4087.8	3922.1	3968.2	4204.1	4356.6	4192.1
32.5°	5955.1	5959.5	5861.9	5538.1	5152.0	4637.4	4317.1	4305.1	4463.0	4613.3	4424.6
35°	6504.7	6515.7	6448.7	6197.5	5788.3	5249.6	4829.4	4800.9	4830.5	5000.5	4781.2
37.5°	7034.6	7041.2	6990.7	6779.0	6436.7	5922.1	5476.8	5436.1	5372.5	5503.0	5251.8
40°	7614.9	7598.5	7540.4	7348.4	7054.3	6664.9	6172.2	6102.1	5991.2	6107.6	5870.6
42.5°	8154.8	8136.1	8146.0	7928.8	7680.8	7428.4	6983.1	6862.3	6797.6	6931.5	6629.8
45°	8829.5	8819.6	8852.5	8663.8	8463.0	8279.8	7912.3	7780.7	7752.2	7909.0	7548.1
47.5°	9495.5	9519.6	9621.6	9541.5	9460.3	9299.0	8896.4	8837.1	8854.7	9044.5	8516.8
50°	10050.6	10079.1	10358.8	10451.0	10568.4	10474.0	10070.3	10034.1	10103.2	10274.3	9559.1
52.5°	10452.1	10510.2	10858.0	11282.6	11710.5	11774.1	11371.5	11338.5	11431.8	11458.1	10364.3
55°	10730.8	10782.3	11176.1	11953.0	12824.1	13098.3	12848.2	12720.9	12703.3	12443.3	11211.3
57.5°	10780.1	10774.7	11340.8	12386.2	13697.3	14405.0	14247.0	14121.9	13762.0	13353.9	12182.2
60°	10501.4	10533.3	11190.4	12536.6	14245.9	15393.5	15405.5	15243.1	14682.5	14239.3	13123.5
62.5°	9643.6	9773.0	10436.7	12142.7	14239.3	15791.7	16254.7	16130.7	15460.3	14964.5	14078.0
65°	8252.4	8298.5	8931.5	10793.3	13277.2	15624.9	17019.4	16973.3	16161.4	15668.8	14568.4
67.5°	6026.4	5926.5	6591.4	8499.3	11240.9	14652.9	17567.9	17626.0	16702.3	15813.6	14046.2
68°	5499.8	5529.4	6047.2	7932.0	10707.7	14309.5	17604.1	17693.0	16756.0	15719.3	13760.9
70°	3278.1	3335.2	3797.1	5461.4	8146.0	12366.6	17213.5	17416.5	16435.7	14746.1	11902.5
72.5°	837.1	905.1	1341.8	2444.4	4652.8	8713.1	14531.1	14874.5	14270.0	11962.7	8035.2
75°	344.5	362.0	479.5	805.2	1733.4	3925.4	9577.7	10312.8	9892.6	7161.9	3631.5
77.5°	238.1	250.1	308.2	446.5	750.5	1330.8	4695.6	5226.6	4708.8	2444.4	792.1
80°	171.1	181.0	220.5	297.3	431.1	475.1	1530.4	1769.7	1405.4	536.5	196.4
82.5°	102.0	109.7	164.6	211.7	262.2	227.1	380.7	432.2	407.0	266.6	87.8
85°	50.5	59.2	110.8	151.4	141.5	95.5	116.3	129.5	160.1	162.4	47.1
87.5°	3.3	6.6	64.7	91.1	39.5	22.0	34.0	41.7	57.0	80.1	19.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P383318

CATALOG NUMBER: GLEON-SA6B-735-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2757.0	2757.0	2757.0	2757.0	2757.0	2757.0	2757.0	2757.0	2757.0	2757.0	2757.0
2.5°	2764.7	2765.8	2758.1	2754.9	2757.0	2743.9	2738.4	2740.5	2740.5	2743.9	2738.4
5°	2792.1	2792.1	2779.0	2761.4	2751.5	2726.3	2709.9	2705.5	2702.1	2700.0	2695.6
7.5°	2851.4	2844.8	2821.8	2783.4	2750.4	2695.6	2653.9	2631.9	2621.0	2616.6	2613.3
10°	2946.9	2934.7	2896.4	2825.0	2749.4	2651.7	2560.6	2495.9	2442.1	2420.2	2407.0
12.5°	3075.1	3057.6	2992.9	2874.4	2741.6	2561.8	2364.3	2174.4	1997.8	1925.4	1889.2
15°	3223.2	3198.1	3096.0	2916.1	2696.6	2358.8	1929.8	1597.4	1352.7	1260.6	1221.1
17.5°	3373.6	3340.7	3186.0	2942.4	2561.8	1938.6	1353.8	1022.5	859.1	815.1	799.8
20°	3525.0	3476.7	3263.9	2922.6	2256.8	1397.7	893.1	747.1	700.0	686.8	682.4
22.5°	3668.7	3594.1	3334.1	2845.9	1787.2	938.0	706.6	660.5	645.1	637.5	635.2
25°	3793.8	3689.6	3395.5	2608.9	1264.9	708.7	636.3	621.0	601.2	587.0	588.1
27.5°	3911.2	3785.0	3432.8	2218.3	843.7	605.6	589.1	568.3	532.1	511.2	511.2
30°	4052.7	3912.2	3460.2	1707.1	621.0	535.4	522.2	490.4	441.0	413.6	413.6
32.5°	4265.6	4105.3	3442.7	1198.1	514.6	470.6	440.0	396.1	342.3	316.0	314.9
35°	4591.4	4403.8	3317.6	785.5	454.2	409.2	359.9	306.1	258.9	237.0	235.9
37.5°	5030.2	4803.2	3036.8	561.7	407.0	352.1	293.0	233.7	198.6	184.4	183.2
40°	5599.6	5267.2	2635.3	455.3	363.1	297.3	226.0	181.0	156.9	145.9	147.0
42.5°	6283.1	5764.1	2153.6	392.7	320.4	244.6	176.6	142.6	127.2	119.6	117.4
45°	7042.3	6254.6	1648.9	350.0	277.6	197.5	138.2	113.0	101.0	96.5	96.5
47.5°	7877.2	6731.8	1206.8	312.6	231.5	152.5	110.8	92.1	82.3	79.0	77.9
50°	8635.3	7063.2	870.0	273.2	189.8	120.6	90.0	76.8	70.2	65.9	65.9
52.5°	9267.2	7167.3	640.7	230.4	153.6	96.5	74.6	65.9	59.2	56.0	56.0
55°	9823.4	7124.6	476.1	189.8	124.0	79.0	63.6	56.0	50.5	47.1	47.1
57.5°	10356.7	6986.3	355.5	154.7	99.9	63.6	53.8	47.1	41.7	39.5	39.5
60°	10792.2	6756.0	264.4	125.1	80.1	51.6	45.0	38.4	34.0	30.7	30.7
62.5°	11145.4	6501.5	194.2	103.1	63.6	40.6	35.1	31.9	25.2	22.0	22.0
65°	11147.6	6079.0	145.9	85.6	49.4	31.9	26.4	25.2	16.5	13.1	12.1
67.5°	10341.3	5240.9	111.9	73.5	38.4	24.1	19.7	20.9	8.8	5.5	4.4
68°	10048.3	5028.0	105.4	72.4	36.2	23.0	18.6	20.9	7.6	4.4	3.3
70°	8471.8	4000.1	84.5	70.2	31.9	17.5	15.4	20.9	6.6	3.3	2.2
72.5°	5418.6	2321.5	62.5	56.0	24.1	13.1	9.9	18.6	6.6	2.2	1.1
75°	2306.1	719.7	42.8	39.5	14.3	9.9	6.6	12.1	4.4	1.1	0.0
77.5°	486.0	162.4	25.2	24.1	9.9	6.6	4.4	3.3	1.1	0.0	0.0
80°	125.1	47.1	13.1	12.1	5.5	3.3	2.2	0.0	0.0	0.0	0.0
82.5°	39.5	18.6	7.6	5.5	2.2	0.0	0.0	0.0	0.0	0.0	0.0
85°	19.7	11.0	4.4	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.0	3.3	1.1	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)