

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: P383334

Luminaire Tested: **GLEON-SA6C-735-U-SL3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383334
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-23)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA6C-735-U-SL3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33667.1 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

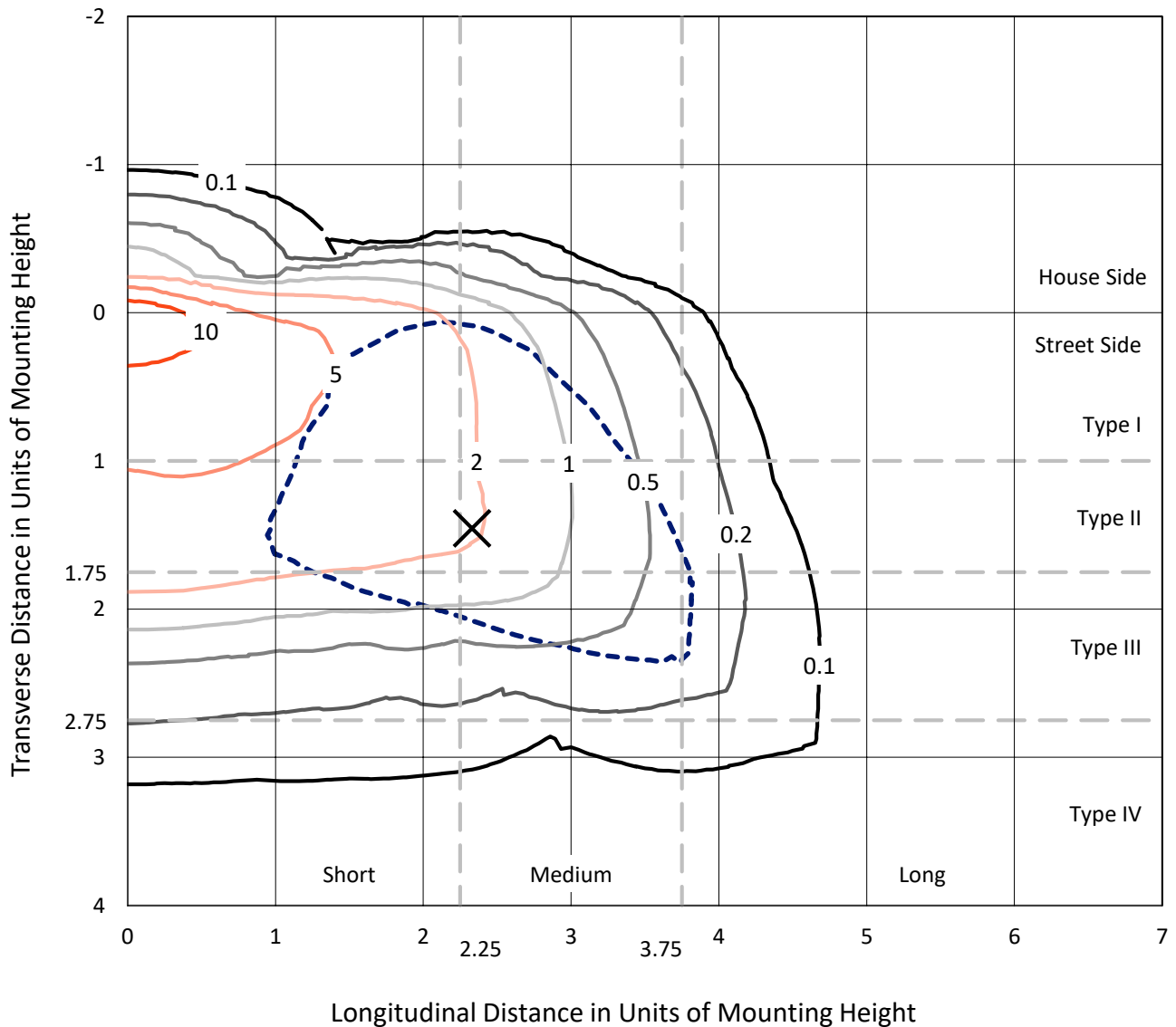
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P383334
 CATALOG NUMBER: GLEON-SA6C-735-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

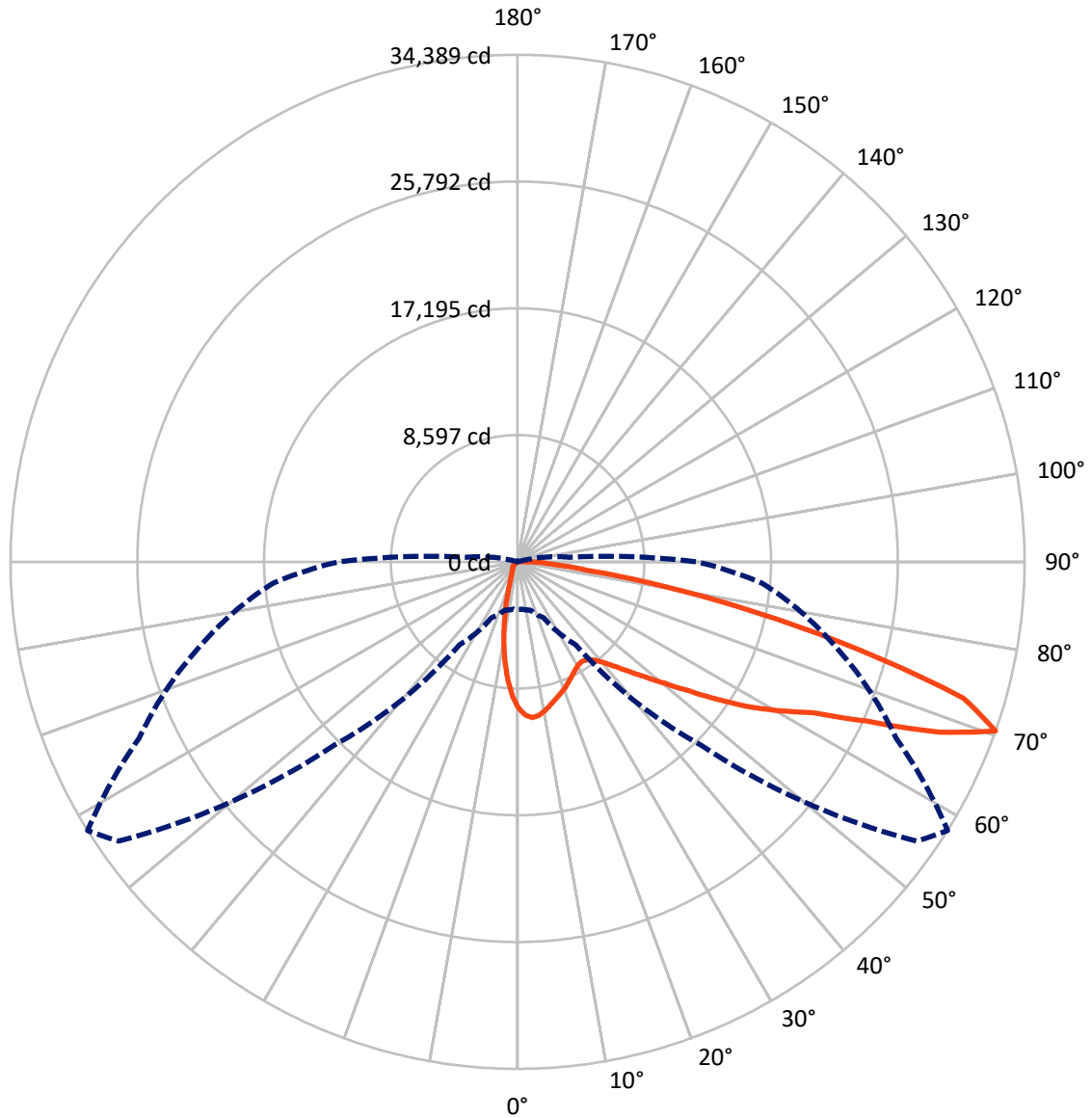
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P383334
CATALOG NUMBER: GLEON-SA6C-735-U-SL3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P383334
 CATALOG NUMBER: GLEON-SA6C-735-U-SL3-HSS

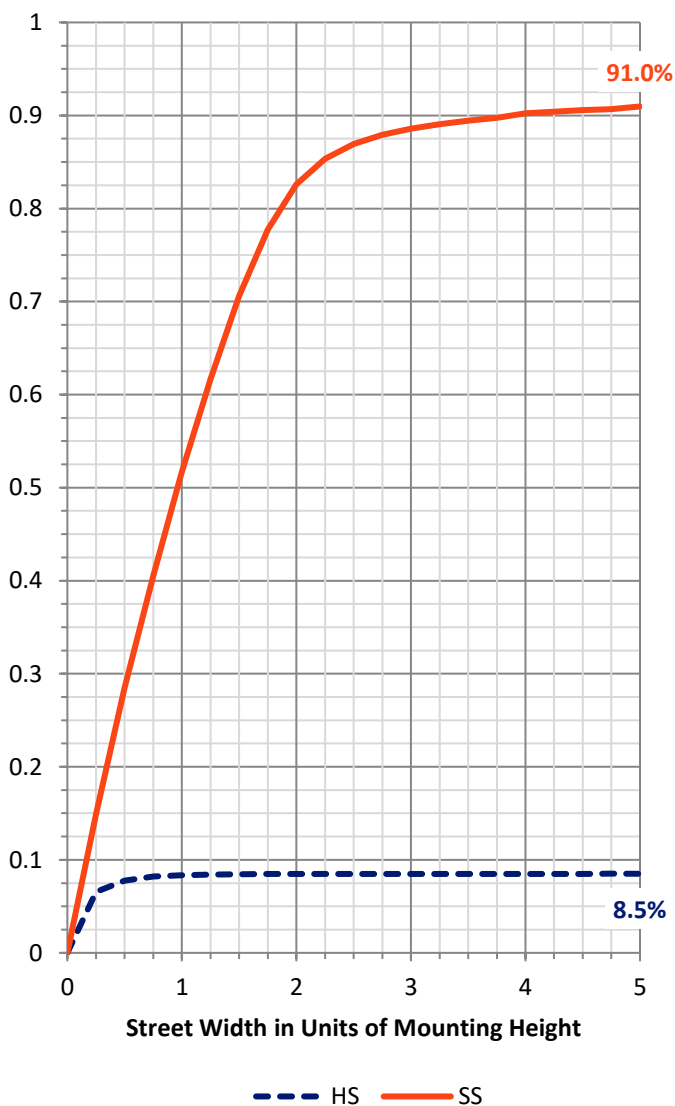
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2881.2	0.0	2881.2
	% Fixture	8.6	0.0	8.6
Street Side	Lumens	30785.9	0.0	30785.9
	% Fixture	91.4	0.0	91.4
Total	Lumens	33667.1	0.0	33667.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	813.3	2.4
10°-20°	1706.8	5.1
20°-30°	2243.9	6.7
30°-40°	2971.8	8.8
40°-50°	4441.9	13.2
50°-60°	7115.8	21.1
60°-70°	8969.3	26.6
70°-80°	4838.0	14.4
80°-90°	566.3	1.7
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°	33667.1	100.0
0°-180°	33667.1	100.0

Coefficient of Utilization

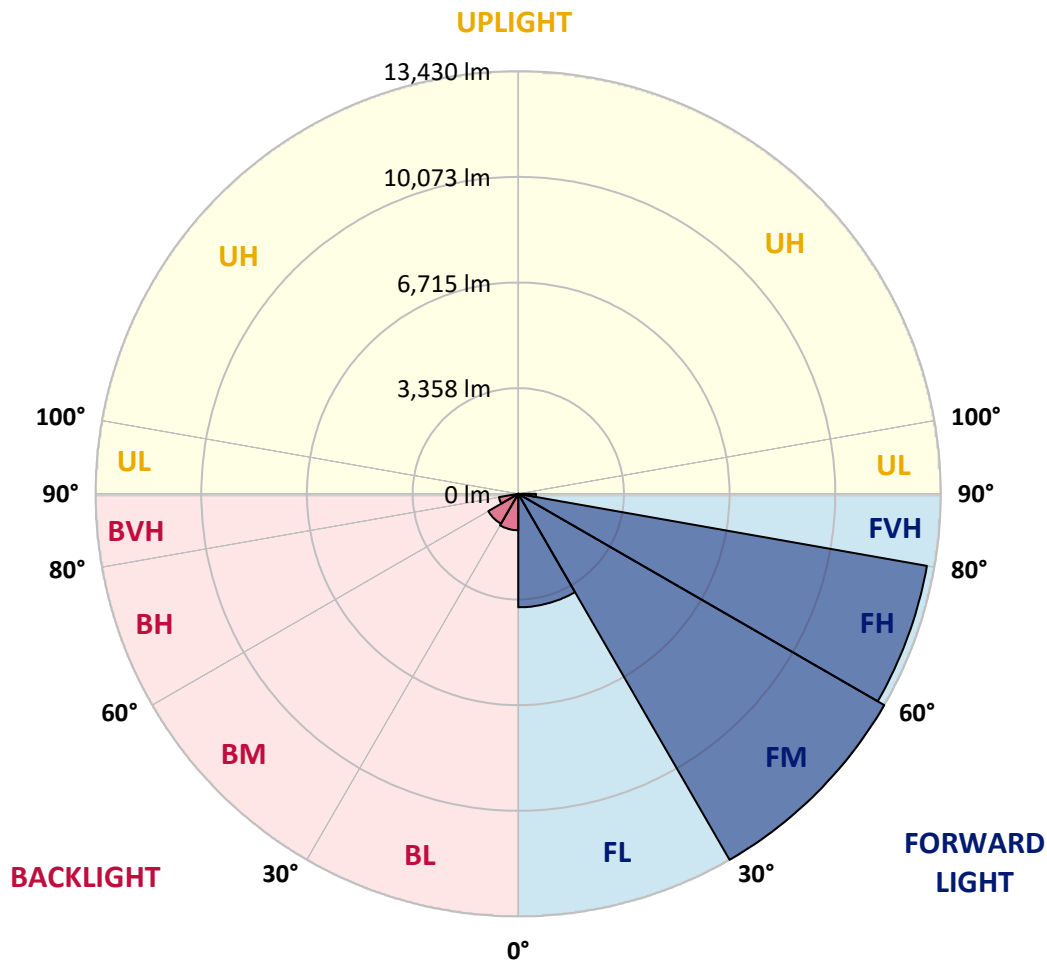


REPORT NUMBER: P383334
 CATALOG NUMBER: GLEON-SA6C-735-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3606.4	10.7			
FM (30°-60°)	13430.3	39.9			
FH (60°-80°)	13187.7	39.2			G5
FVH (80°-90°)	561.4	1.7			G4/750
BL (0°-30°)	1157.5	3.4	B3/2500		
BM (30°-60°)	1099.1	3.3	B2/2500		
BH (60°-80°)	619.6	1.8	B2/1000		G2/1000
BVH (80°-90°)	4.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Medium





REPORT NUMBER: P383334

CATALOG NUMBER: GLEON-SA6C-735-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	9945.1	9945.1	9945.1	9945.1	9945.1	9945.1	9945.1	9945.1	9945.1	9945.1	9945.1
2.5°	10769.6	10743.1	10733.3	10716.4	10652.1	10589.1	10464.4	10429.4	10351.1	10164.9	9967.5
5°	10778.0	10776.6	10806.0	10799.1	10776.6	10747.3	10657.6	10611.4	10478.4	10212.5	9851.3
7.5°	10258.7	10285.3	10351.1	10404.3	10465.8	10545.7	10556.9	10512.0	10402.9	10115.9	9637.1
10°	9561.5	9603.5	9695.9	9800.9	9961.9	10121.5	10264.3	10258.7	10220.8	9938.1	9379.5
12.5°	8862.9	8911.9	9018.3	9173.7	9401.9	9662.3	9917.1	9952.1	10015.1	9778.5	9141.6
15°	8251.2	8293.2	8398.2	8588.6	8871.3	9221.3	9595.1	9659.5	9821.9	9653.9	8942.8
17.5°	7731.8	7758.4	7835.4	8046.8	8374.3	8798.6	9284.4	9410.3	9652.5	9555.9	8770.5
20°	7369.2	7373.4	7423.8	7572.2	7899.8	8374.3	8962.3	9143.0	9473.3	9471.9	8592.8
22.5°	7190.1	7176.0	7185.9	7271.2	7512.0	7969.8	8640.4	8854.5	9312.3	9400.5	8412.2
25°	7156.4	7145.2	7117.2	7128.4	7274.0	7615.6	8315.6	8563.3	9170.9	9357.1	8255.4
27.5°	7261.4	7272.6	7225.0	7174.6	7185.9	7386.1	8027.1	8314.2	9056.1	9357.1	8144.8
30°	7472.8	7478.4	7443.4	7377.6	7289.5	7321.6	7827.0	8114.0	8998.7	9421.5	8074.7
32.5°	7706.6	7737.4	7733.2	7680.1	7554.0	7423.8	7779.4	8041.2	8994.6	9564.3	8067.8
35°	7996.4	8031.4	8090.2	8078.9	7947.4	7733.2	7941.8	8147.6	9077.1	9799.5	8143.4
37.5°	8304.4	8357.6	8483.6	8543.8	8458.4	8216.2	8305.8	8452.8	9298.3	10180.3	8335.2
40°	8602.6	8662.7	8892.4	9128.9	9064.5	8815.3	8857.3	8974.9	9691.7	10727.6	8699.2
42.5°	8895.2	8984.8	9322.1	9711.3	9788.3	9589.5	9611.9	9705.7	10275.4	11480.9	9294.1
45°	9245.1	9345.9	9845.7	10325.8	10531.7	10444.9	10540.1	10601.7	11038.5	12476.1	10096.3
47.5°	9758.9	9875.1	10488.3	11035.7	11396.8	11452.8	11644.6	11685.2	12003.0	13635.3	11142.1
50°	10761.2	10793.5	11347.8	11844.8	12365.5	12701.6	12919.9	12950.7	13170.5	14902.2	12448.2
52.5°	12022.6	12043.6	12357.2	12690.4	13282.6	13968.5	14479.4	14522.8	14569.0	16137.0	13737.5
55°	13275.5	13272.7	13479.9	13675.9	14353.5	15350.2	16459.0	16485.6	16153.8	17308.7	14723.0
57.5°	14058.1	14133.7	14448.7	14700.7	15647.0	16925.1	18463.6	18561.6	17818.3	18176.6	15697.4
60°	13808.9	13845.3	14543.9	15476.2	17258.3	19163.6	20492.2	20517.3	19069.8	19043.3	16929.3
62.5°	11765.0	11784.6	12882.2	14804.2	18074.4	22067.1	22939.3	22529.0	20509.0	20245.8	18403.5
65°	8063.6	8191.0	9107.9	11483.7	16575.1	23888.4	26727.4	26048.5	22702.7	21978.8	19736.2
67.5°	4748.6	4721.9	5175.5	6925.4	12173.7	22678.8	31519.4	30844.7	25694.3	23139.5	19345.6
70°	3243.6	3225.4	3399.0	4192.8	6872.2	17592.9	33027.1	34389.2	28335.9	22358.3	16649.4
72.5°	2315.5	2325.2	2581.5	3257.6	4314.6	10250.3	28401.8	31625.8	27508.6	19491.2	12655.4
75°	1572.1	1598.7	1965.5	2672.4	3782.6	5214.7	20154.8	24041.0	22400.3	14165.9	7274.0
77.5°	845.6	874.9	1307.5	2153.1	3420.0	3623.0	12964.7	16545.8	14070.7	6368.2	2108.3
80°	352.8	369.5	611.7	1565.1	2955.2	3182.1	7628.2	10033.3	5995.9	1255.7	470.3
82.5°	152.6	161.0	254.8	933.8	2209.1	2686.5	4038.8	4826.9	1817.1	275.8	236.6
85°	29.4	30.8	105.0	494.2	1409.7	1516.1	2617.8	2566.0	816.1	119.0	172.1
87.5°	0.0	0.0	25.2	155.4	414.4	826.0	1597.3	1577.8	277.2	57.4	64.4
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: P383334

CATALOG NUMBER: GLEON-SA6C-735-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9945.1	9945.1	9945.1	9945.1	9945.1	9945.1	9945.1	9945.1	9945.1	9945.1	9945.1
2.5°	9866.7	9770.1	9567.1	9316.5	9124.7	8913.3	8745.4	8532.6	8440.2	8444.4	8394.0
5°	9645.5	9446.7	8997.4	8430.4	7993.6	7542.8	7155.0	6768.6	6540.5	6466.2	6396.3
7.5°	9329.1	9014.1	8297.4	7423.8	6684.7	5962.3	5333.8	4780.8	4430.8	4260.0	4197.0
10°	8972.1	8529.8	7492.4	6341.7	5286.2	4309.0	3494.2	2785.9	2503.1	2311.3	2262.3
12.5°	8658.5	8059.4	6705.7	5231.6	3978.6	2799.9	2022.9	1582.0	1390.1	1314.5	1301.9
15°	8363.2	7619.8	5948.3	4226.3	2755.1	1723.3	1286.6	1136.8	1092.0	1079.4	1079.4
17.5°	8084.6	7201.2	5207.7	3236.7	1822.7	1208.1	1065.3	1031.8	1017.7	1016.3	1017.7
20°	7793.4	6782.7	4479.8	2371.4	1272.5	1023.3	984.2	965.9	961.7	961.7	961.7
22.5°	7514.8	6364.1	3771.4	1693.9	1020.5	933.8	914.1	901.6	897.4	896.0	893.2
25°	7247.4	5966.5	3079.9	1196.9	896.0	855.3	838.6	821.7	809.1	802.2	798.0
27.5°	7027.6	5612.3	2435.9	960.3	809.1	774.1	753.2	728.0	697.2	683.2	677.6
30°	6852.7	5289.0	1877.3	810.5	728.0	693.0	660.7	617.3	572.5	548.8	547.4
32.5°	6715.4	4971.1	1425.1	716.7	655.2	611.7	565.5	511.0	459.2	432.6	431.2
35°	6648.3	4691.2	1089.2	648.2	590.8	536.2	478.8	418.5	368.1	343.0	340.2
37.5°	6693.1	4454.6	849.8	590.8	536.2	473.1	406.0	343.0	298.2	275.8	274.3
40°	6856.8	4303.4	690.2	541.8	490.0	413.0	340.2	281.4	243.6	225.4	223.9
42.5°	7205.4	4247.4	589.4	501.2	445.2	357.0	282.8	232.4	197.4	184.8	182.0
45°	7787.8	4330.0	520.7	462.0	399.0	303.8	233.8	190.4	159.6	149.8	148.4
47.5°	8563.3	4547.0	471.7	424.1	357.0	256.2	194.6	154.0	130.2	120.4	119.0
50°	9562.9	4891.4	431.2	386.4	317.8	217.0	161.0	121.8	100.8	93.8	93.8
52.5°	10650.7	5301.5	394.8	351.4	278.6	180.6	130.2	93.8	79.8	71.4	71.4
55°	11549.4	5659.9	355.6	324.7	231.0	149.8	99.4	71.4	58.8	54.6	54.6
57.5°	12446.8	6042.1	310.8	278.6	184.8	121.8	75.6	53.2	43.4	40.6	40.6
60°	13610.1	6509.7	267.4	226.8	145.6	92.4	56.0	37.8	32.2	30.8	30.8
62.5°	14889.7	6784.1	228.2	182.0	113.4	68.6	40.6	25.2	23.8	23.8	22.4
65°	15672.2	6396.3	191.8	145.6	88.2	51.8	26.6	18.2	21.0	19.6	16.8
67.5°	14674.0	5007.5	156.8	113.4	68.6	39.2	16.8	12.6	22.4	18.2	14.0
70°	12150.0	3505.4	121.8	79.8	54.6	33.6	11.2	8.4	23.8	18.2	11.2
72.5°	9092.6	2346.3	96.6	53.2	40.6	29.4	9.8	4.2	21.0	15.4	9.8
75°	4968.3	945.0	77.0	33.6	25.2	21.0	7.0	2.8	14.0	11.2	7.0
77.5°	1307.5	249.2	56.0	22.4	14.0	8.4	4.2	1.4	7.0	5.6	2.8
80°	333.2	96.6	36.4	15.4	9.8	4.2	0.0	0.0	1.4	0.0	0.0
82.5°	177.8	40.6	22.4	11.2	5.6	0.0	0.0	0.0	0.0	0.0	0.0
85°	134.4	26.6	12.6	7.0	1.4	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	51.8	8.4	4.2	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)