

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: STREETWORKS

Report Number: P323210

Luminaire Tested: **GAN-SA6C-740-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323210
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-740-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35040 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

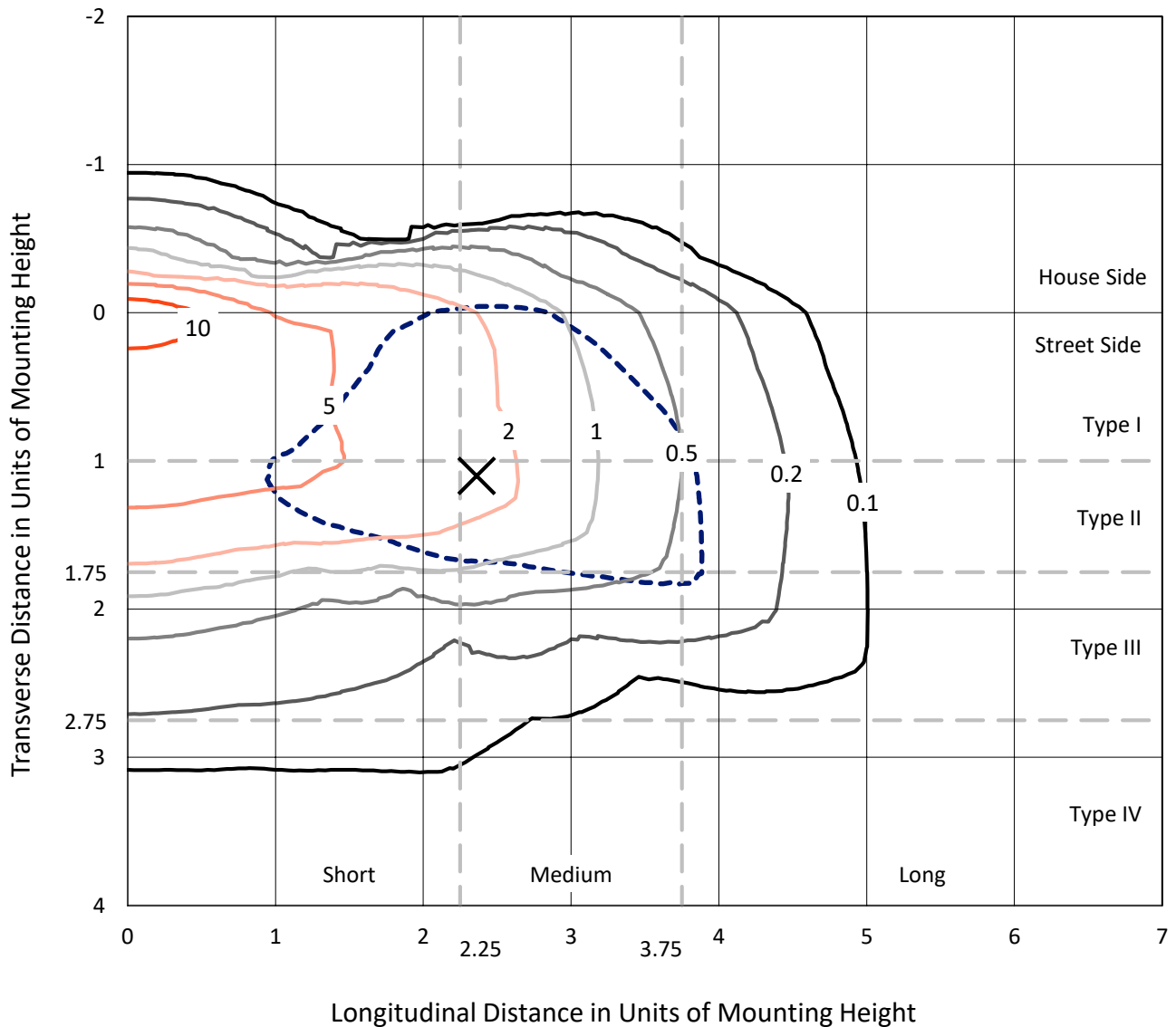
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

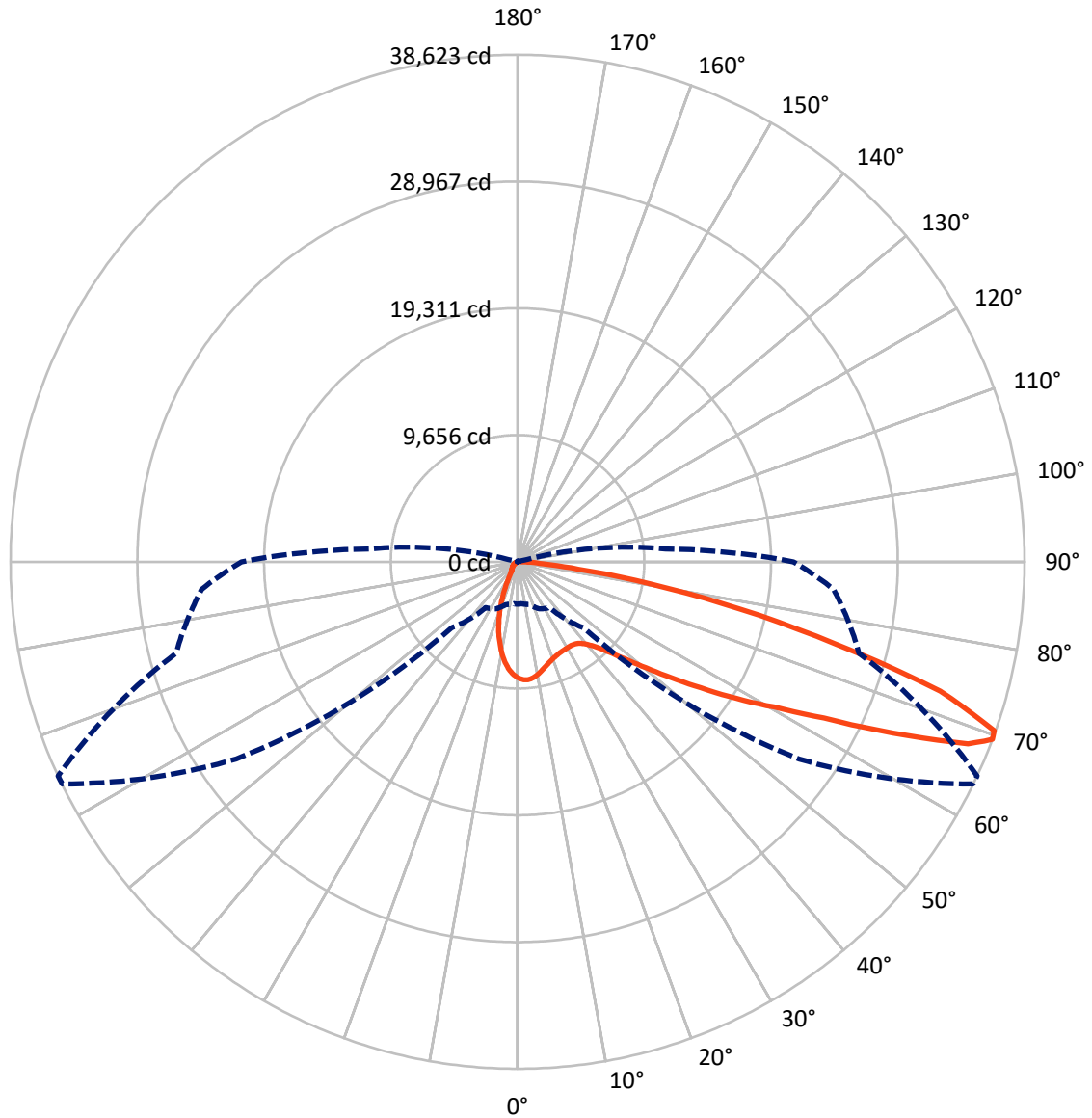
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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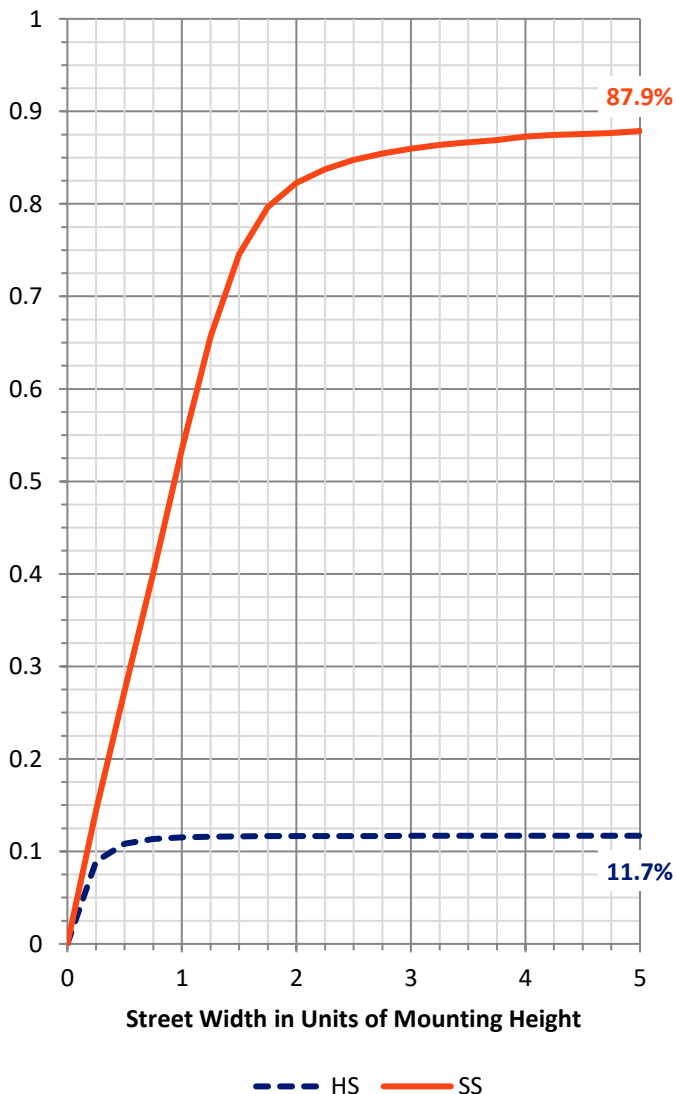
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4130.4	0.0	4130.4
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	30909.6	0.0	30909.6
	% Fixture	88.2	0.0	88.2
Total	Lumens	35040.0	0.0	35040.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	740.4	2.1
10°-20°	1620.8	4.6
20°-30°	2244.9	6.4
30°-40°	3130.1	8.9
40°-50°	4865.3	13.9
50°-60°	7810.7	22.3
60°-70°	8835.1	25.2
70°-80°	5189.0	14.8
80°-90°	603.6	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°	35040.0	100.0
0°-180°	35040.0	100.0

Coefficient of Utilization

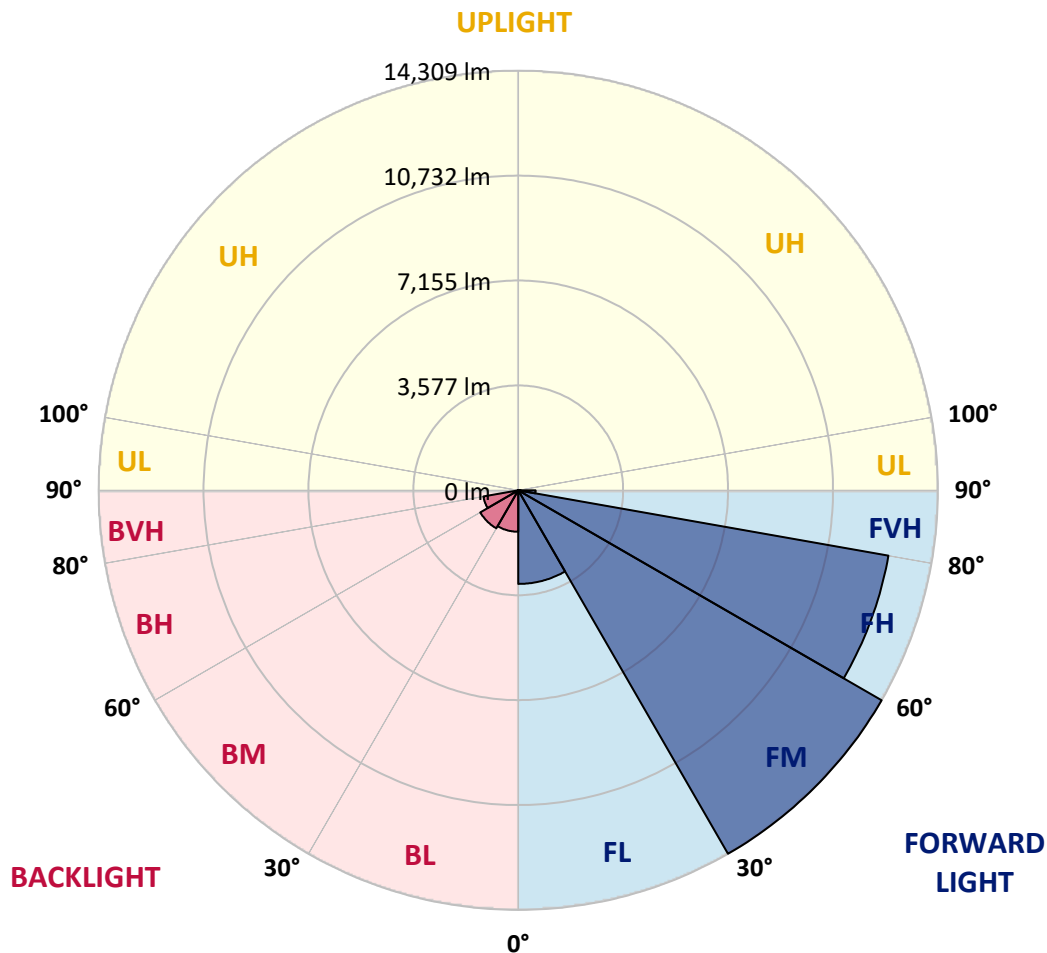


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3193.0	9.1			
FM (30°-60°)	14309.3	40.8			
FH (60°-80°)	12817.3	36.6			G5
FVH (80°-90°)	590.0	1.7			G4/750
BL (0°-30°)	1413.2	4.0	B3/2500		
BM (30°-60°)	1496.8	4.3	B2/2500		
BH (60°-80°)	1206.8	3.4	B3/2500		G3/2500
BVH (80°-90°)	13.6	0.0			G1/100
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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	8854.7	8854.7	8854.7	8854.7	8854.7	8854.7	8854.7	8854.7	8854.7	8854.7	8854.7
2.5°	8933.3	8911.0	8928.8	8967.4	8986.6	8986.6	9001.5	8983.7	8989.6	8946.6	8884.3
5°	8374.3	8340.2	8389.1	8497.3	8630.8	8744.9	8914.0	9002.9	9011.8	9013.3	8940.7
7.5°	7772.3	7741.2	7813.8	7941.3	8113.3	8325.3	8620.4	8878.4	8893.2	9032.6	8979.2
10°	7283.0	7260.8	7345.3	7481.7	7683.3	7920.6	8282.3	8641.2	8684.2	8992.6	8973.3
12.5°	6894.5	6876.8	6956.8	7114.0	7320.1	7582.5	7960.6	8377.2	8435.1	8902.1	8943.6
15°	6611.3	6608.4	6675.1	6826.3	7054.7	7299.3	7686.3	8132.6	8199.3	8804.3	8939.2
17.5°	6463.1	6467.5	6516.5	6645.5	6841.2	7084.3	7455.0	7926.5	7999.2	8716.8	8961.4
20°	6448.3	6452.7	6479.4	6552.0	6710.7	6925.7	7266.7	7753.0	7828.6	8651.5	8997.0
22.5°	6578.7	6575.8	6583.2	6575.8	6664.7	6827.8	7142.2	7619.6	7707.1	8608.5	9025.2
25°	6829.3	6824.9	6821.9	6767.0	6707.7	6795.2	7090.3	7544.0	7627.0	8577.4	9041.5
27.5°	7177.7	7174.8	7170.3	7079.9	6902.0	6847.1	7096.2	7515.8	7585.5	8552.2	9038.5
30°	7635.9	7656.6	7650.7	7524.7	7247.4	7005.7	7158.5	7501.0	7561.8	8503.3	9007.4
32.5°	8174.1	8215.6	8248.2	8113.3	7766.4	7320.1	7302.3	7517.3	7561.8	8466.2	8951.0
35°	8733.1	8786.5	8906.6	8859.1	8402.4	7793.1	7549.9	7615.1	7652.2	8487.0	8924.4
37.5°	9283.2	9346.9	9607.9	9745.8	9235.7	8418.8	7935.4	7856.8	7876.1	8613.0	8954.0
40°	9922.2	10018.6	10414.5	10636.9	10230.6	9256.5	8512.2	8272.0	8279.4	8890.3	9091.9
42.5°	10761.4	10860.8	11289.3	11637.7	11351.5	10315.1	9295.0	8906.6	8899.2	9409.2	9416.6
45°	11784.5	11888.3	12331.6	12718.6	12589.6	11569.5	10297.3	9833.2	9824.4	10227.6	10031.9
47.5°	12943.9	13046.3	13442.1	13841.0	13980.4	13034.4	11573.9	11098.0	11077.2	11364.9	10982.3
50°	13938.8	14005.6	14370.3	14907.0	15535.7	14834.4	13161.9	12703.8	12681.5	12875.7	12377.6
52.5°	14300.6	14339.2	14709.8	15461.6	17030.3	17271.9	15248.1	14657.9	14641.6	14726.2	14235.4
55°	13568.2	13637.9	14093.0	15208.0	17839.8	20026.8	17881.3	17077.7	16954.6	16772.3	16177.7
57.5°	11572.5	11683.7	12172.9	13655.6	17461.7	22212.3	21751.2	19814.8	19633.9	18518.9	17756.8
60°	8670.8	8807.2	9213.5	10813.3	15443.8	22990.7	25979.8	22864.7	22456.9	19909.7	19208.3
62.5°	5950.1	6018.3	6294.1	7336.4	11373.8	21715.6	29517.5	26949.5	26205.2	21422.0	20778.5
65°	4544.5	4568.2	4680.9	5039.7	6773.0	17639.7	30924.6	32339.1	31439.1	23230.9	22408.0
67.5°	3662.3	3643.0	3798.7	4311.7	4535.6	10761.4	29283.3	37438.1	37017.0	25649.2	24047.9
69°	3229.3	3202.6	3361.3	3957.3	4259.8	7114.0	26178.5	38596.1	38622.8	26925.8	24160.6
70°	2906.1	2923.9	3081.0	3746.8	4166.4	5583.8	23213.1	38301.0	38511.6	27403.2	23484.4
72.5°	1940.9	1988.3	2304.1	3110.7	4006.2	4225.7	14015.9	32867.0	33676.5	26328.3	20148.4
75°	1094.2	1129.8	1504.9	2345.6	3774.9	4024.0	7403.1	24213.9	24996.8	22016.6	15537.2
77.5°	536.7	556.0	851.1	1513.8	3156.7	3834.3	4199.0	16447.6	17341.6	14370.3	8787.9
80°	226.9	237.2	425.5	934.1	2256.7	3659.3	3118.1	10122.4	10233.6	5629.8	2341.2
82.5°	87.5	90.4	179.4	582.7	1433.8	2852.7	2608.1	4799.5	4683.8	1060.1	533.8
85°	10.4	11.9	65.2	349.9	797.7	1467.9	2118.8	2068.4	1914.2	210.5	274.3
87.5°	0.0	0.0	4.4	106.8	237.2	688.0	1101.6	858.5	774.0	68.2	142.3
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°	8854.7	8854.7	8854.7	8854.7	8854.7	8854.7	8854.7	8854.7	8854.7	8854.7	8854.7
2.5°	8832.4	8817.6	8737.5	8621.9	8512.2	8375.8	8245.3	8166.7	8104.4	8062.9	8111.8
5°	8856.2	8790.9	8547.8	8236.4	7930.9	7587.0	7266.7	6995.4	6888.6	6770.0	6823.4
7.5°	8848.7	8725.7	8288.3	7733.8	7173.3	6593.6	6045.0	5622.4	5402.9	5188.0	5242.8
10°	8811.7	8604.1	7941.3	7119.9	6280.7	5447.4	4669.0	4077.4	3746.8	3447.3	3490.3
12.5°	8730.1	8441.0	7532.1	6417.1	5294.7	4196.0	3284.2	2526.5	2120.3	1940.9	1963.1
15°	8681.2	8282.3	7099.2	5705.4	4242.0	2922.4	2007.6	1493.1	1307.7	1248.4	1255.8
17.5°	8657.5	8129.6	6651.4	4891.4	3165.6	1860.8	1297.4	1144.6	1104.6	1094.2	1097.2
20°	8633.7	7975.4	6190.3	4086.3	2181.0	1251.4	1066.1	1021.6	1006.8	993.4	996.4
22.5°	8593.7	7827.2	5695.0	3270.8	1470.8	1015.6	960.8	917.8	886.7	870.3	873.3
25°	8544.8	7671.5	5189.4	2436.1	1073.5	905.9	854.0	793.2	756.2	726.5	728.0
27.5°	8466.2	7480.2	4667.5	1773.3	901.5	811.0	741.3	674.6	612.4	578.3	578.3
30°	8356.5	7263.7	4087.8	1269.2	808.1	717.6	633.1	550.1	483.4	452.2	449.3
32.5°	8234.9	7038.4	3502.1	962.3	733.9	630.1	533.8	446.3	387.0	361.8	360.3
35°	8131.1	6795.2	2917.9	806.6	659.8	545.6	440.4	366.2	318.8	298.0	296.5
37.5°	8064.4	6552.0	2348.6	720.6	593.1	467.0	369.2	302.5	268.4	252.1	250.6
40°	8054.0	6371.2	1828.2	655.4	530.8	397.4	308.4	256.5	225.4	207.6	206.1
42.5°	8188.9	6267.4	1402.6	600.5	467.0	336.6	262.4	219.4	186.8	169.0	167.5
45°	8543.3	6300.0	1079.4	551.6	403.3	284.7	222.4	182.4	152.7	139.4	136.4
47.5°	9189.8	6525.4	858.5	502.6	342.5	241.7	189.8	151.2	126.0	112.7	111.2
50°	10340.3	7054.7	717.6	449.3	286.2	206.1	157.2	123.1	102.3	90.4	89.0
52.5°	11867.5	7997.7	640.5	397.4	237.2	175.0	129.0	97.9	80.1	71.2	69.7
55°	13551.9	9139.3	590.1	341.0	194.2	145.3	102.3	77.1	62.3	54.9	51.9
57.5°	15196.2	10128.3	542.7	286.2	161.6	118.6	81.5	60.8	48.9	41.5	40.0
60°	16707.0	11037.2	487.8	229.8	132.0	93.4	63.8	47.4	38.6	31.1	31.1
62.5°	18324.7	11740.0	412.2	179.4	108.2	71.2	51.9	43.0	31.1	26.7	25.2
65°	20038.7	12261.9	323.2	139.4	84.5	53.4	43.0	44.5	25.2	19.3	17.8
67.5°	21304.9	12158.1	238.7	109.7	65.2	41.5	41.5	47.4	22.2	14.8	13.3
69°	21026.1	11314.5	200.2	94.9	56.3	35.6	38.6	47.4	20.8	13.3	11.9
70°	20218.1	10380.4	176.4	84.5	50.4	32.6	37.1	46.0	19.3	13.3	11.9
72.5°	16837.5	7818.3	137.9	63.8	40.0	26.7	31.1	40.0	19.3	13.3	10.4
75°	12665.2	5004.1	105.3	46.0	29.7	20.8	23.7	29.7	19.3	11.9	10.4
77.5°	6891.6	1804.4	75.6	31.1	20.8	16.3	16.3	22.2	17.8	8.9	5.9
80°	1771.8	453.7	47.4	20.8	16.3	11.9	10.4	14.8	10.4	1.5	0.0
82.5°	437.4	102.3	25.2	14.8	11.9	4.4	4.4	7.4	4.4	0.0	0.0
85°	240.2	50.4	16.3	10.4	5.9	0.0	0.0	1.5	0.0	0.0	0.0
87.5°	123.1	14.8	4.4	3.0	1.5	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)