

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: P323154

Luminaire Tested: **GAN-SA0A-730-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323154
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-SA0A-730-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 615mA 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: 34794 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

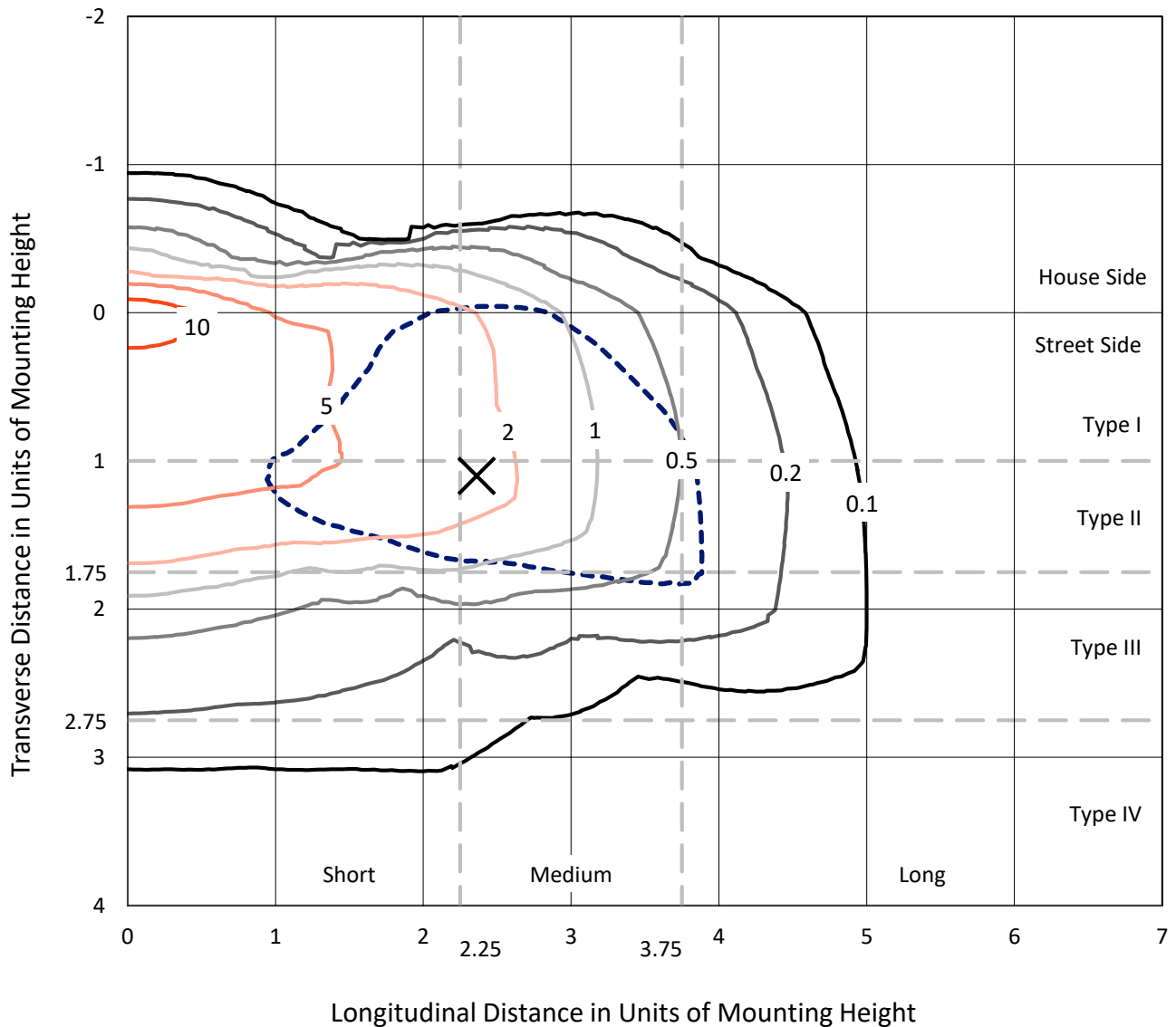
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

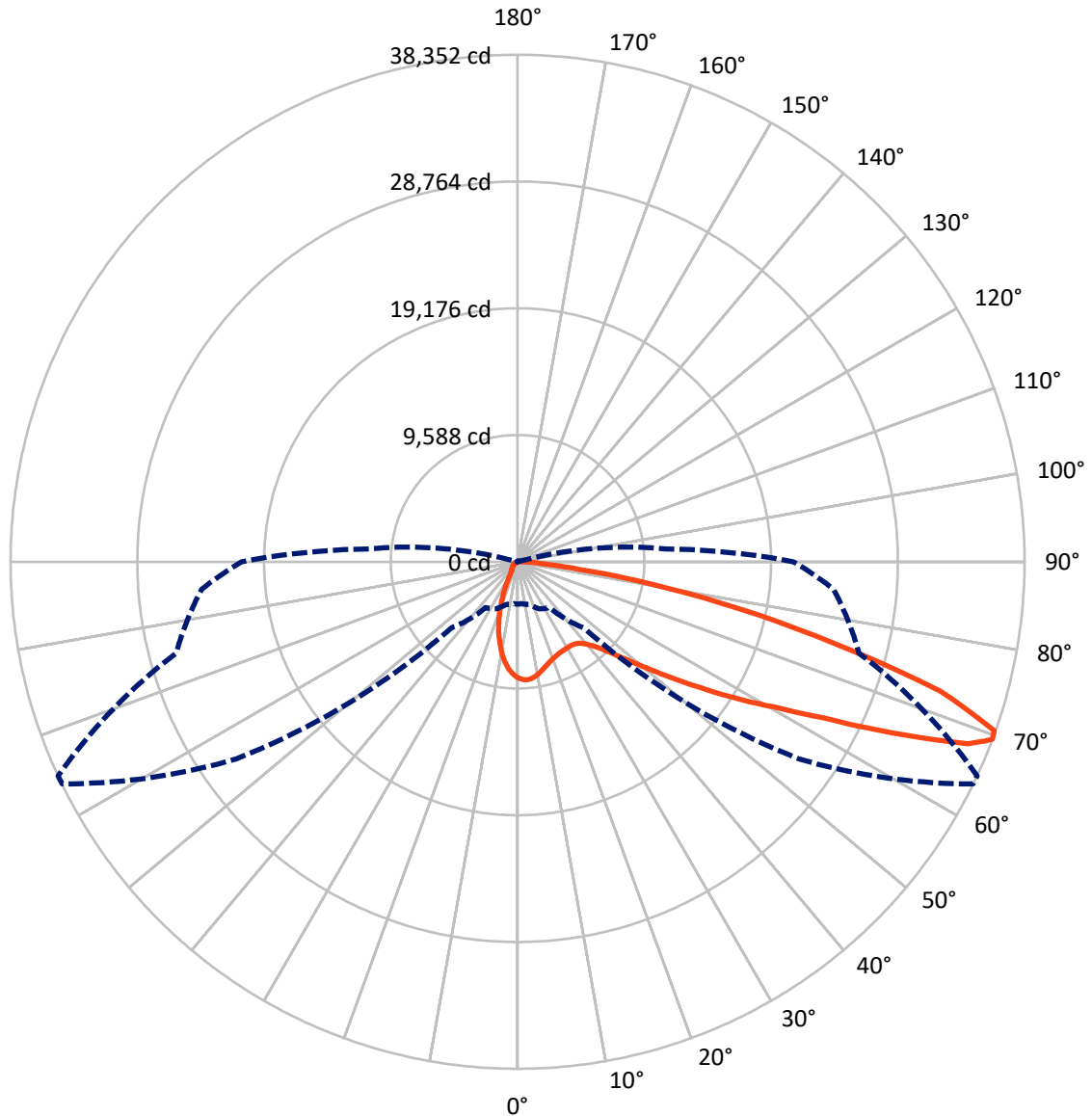
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.1 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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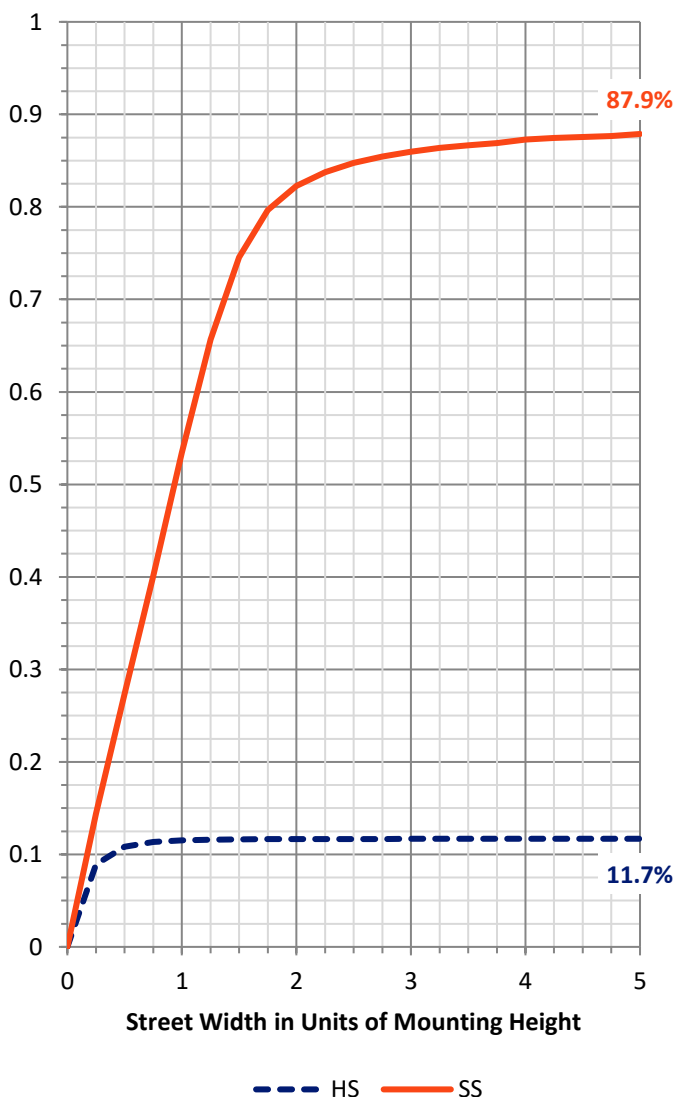
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4101.4	0.0	4101.4
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	30692.6	0.0	30692.6
	% Fixture	88.2	0.0	88.2
Total	Lumens	34794.0	0.0	34794.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	735.2	2.1
10°-20°	1609.5	4.6
20°-30°	2229.2	6.4
30°-40°	3108.2	8.9
40°-50°	4831.1	13.9
50°-60°	7755.8	22.3
60°-70°	8773.1	25.2
70°-80°	5152.5	14.8
80°-90°	599.4	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°	34794.0	100.0
0°-180°	34794.0	100.0

Coefficient of Utilization

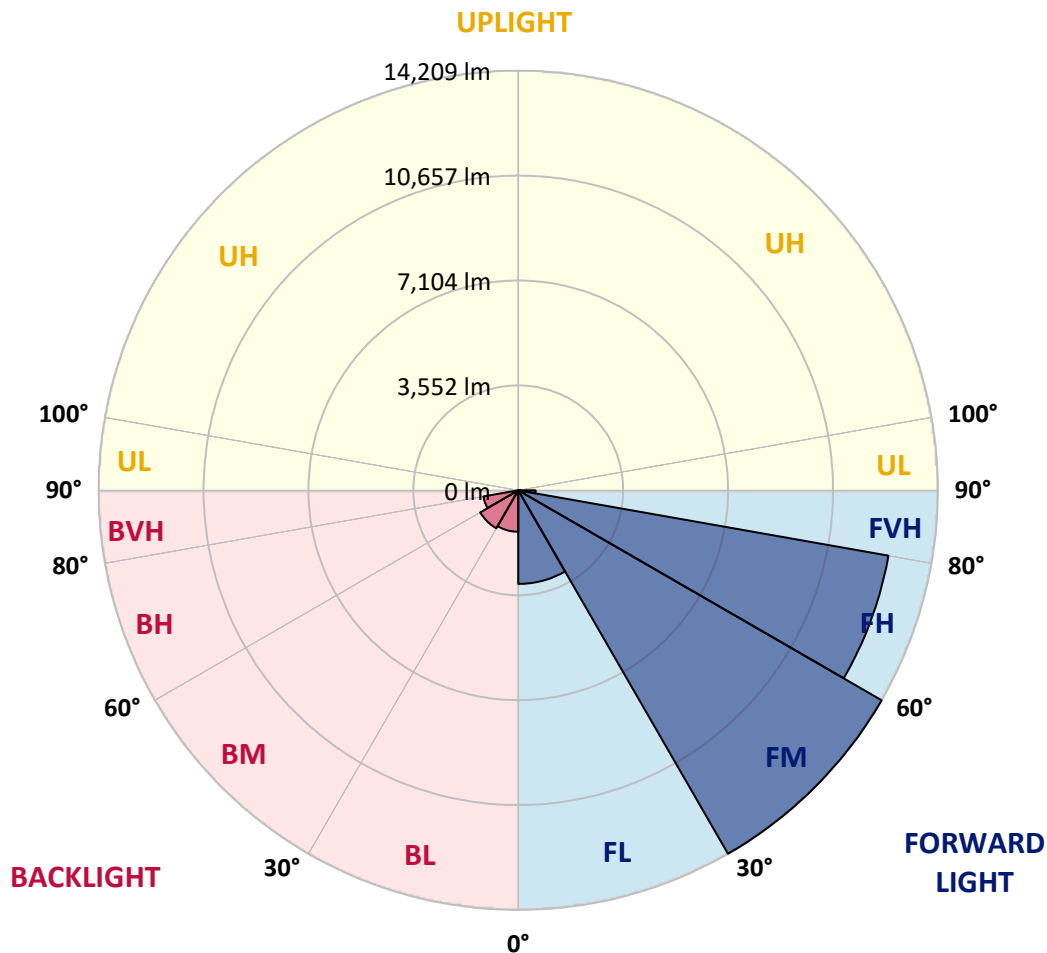


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3170.5	9.1			
FM (30°-60°)	14208.9	40.8			
FH (60°-80°)	12727.3	36.6			G5
FVH (80°-90°)	585.9	1.7			G4/750
BL (0°-30°)	1403.3	4.0	B3/2500		
BM (30°-60°)	1486.2	4.3	B2/2500		
BH (60°-80°)	1198.3	3.4	B3/2500		G3/2500
BVH (80°-90°)	13.5	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°	8792.5	8792.5	8792.5	8792.5	8792.5	8792.5	8792.5	8792.5	8792.5	8792.5	8792.5
2.5°	8870.5	8848.5	8866.1	8904.4	8923.5	8923.5	8938.3	8920.6	8926.5	8883.8	8822.0
5°	8315.5	8281.6	8330.2	8437.7	8570.2	8683.6	8851.4	8939.7	8948.6	8950.0	8877.9
7.5°	7717.7	7686.8	7759.0	7885.6	8056.4	8266.9	8559.9	8816.1	8830.8	8969.2	8916.2
10°	7231.9	7209.8	7293.7	7429.2	7629.4	7865.0	8224.2	8580.5	8623.2	8929.4	8910.3
12.5°	6846.1	6828.5	6908.0	7064.0	7268.7	7529.3	7904.7	8318.4	8375.8	8839.6	8880.8
15°	6564.9	6562.0	6628.2	6778.4	7005.1	7248.1	7632.3	8075.5	8141.8	8742.4	8876.4
17.5°	6417.7	6422.1	6470.7	6598.8	6793.1	7034.6	7402.7	7870.9	7943.0	8655.6	8898.5
20°	6403.0	6407.4	6433.9	6506.0	6663.6	6877.1	7215.7	7698.6	7773.7	8590.8	8933.8
22.5°	6532.5	6529.6	6537.0	6529.6	6617.9	6779.9	7092.0	7566.1	7653.0	8548.1	8961.8
25°	6781.4	6776.9	6774.0	6719.5	6660.6	6747.5	7040.5	7491.0	7573.5	8517.2	8978.0
27.5°	7127.3	7124.4	7120.0	7030.2	6853.5	6799.0	7046.4	7463.0	7532.2	8492.2	8975.1
30°	7582.3	7602.9	7597.0	7471.9	7196.5	6956.6	7108.2	7448.3	7508.7	8443.6	8944.2
32.5°	8116.7	8157.9	8190.3	8056.4	7711.8	7268.7	7251.0	7464.5	7508.7	8406.8	8888.2
35°	8671.8	8724.8	8844.0	8796.9	8343.5	7738.3	7496.9	7561.7	7598.5	8427.4	8861.7
37.5°	9218.0	9281.3	9540.4	9677.3	9170.9	8359.7	7879.7	7801.7	7820.8	8552.5	8891.1
40°	9852.6	9948.3	10341.4	10562.2	10158.8	9191.5	8452.4	8213.9	8221.3	8827.8	9028.1
42.5°	10685.9	10784.5	11210.0	11556.0	11271.8	10242.7	9229.8	8844.0	8836.7	9343.1	9350.5
45°	11701.7	11804.8	12245.0	12629.3	12501.2	11488.3	10225.0	9764.2	9755.4	10155.8	9961.5
47.5°	12853.1	12954.7	13347.8	13743.8	13882.2	12942.9	11492.7	11020.1	10999.5	11285.1	10905.2
50°	13841.0	13907.2	14269.4	14802.4	15426.6	14730.2	13069.5	12614.6	12592.5	12785.4	12290.7
52.5°	14200.2	14238.5	14606.6	15353.0	16910.7	17150.7	15141.0	14555.0	14538.8	14622.8	14135.4
55°	13472.9	13542.1	13994.1	15101.3	17714.6	19886.2	17755.8	16957.8	16835.6	16654.5	16064.1
57.5°	11491.2	11601.6	12087.5	13559.8	17339.1	22056.3	21598.5	19675.7	19496.0	18388.9	17632.1
60°	8609.9	8745.4	9148.8	10737.4	15335.4	22829.3	25797.4	22704.2	22299.3	19769.9	19073.5
62.5°	5908.3	5976.0	6249.9	7284.9	11293.9	21563.1	29310.3	26760.3	26021.2	21271.6	20632.6
65°	4512.6	4536.1	4648.0	5004.3	6725.4	17515.8	30707.5	32112.1	31218.4	23067.8	22250.7
67.5°	3636.6	3617.4	3772.0	4281.4	4503.7	10685.9	29077.7	37175.3	36757.1	25469.1	23879.0
69°	3206.6	3180.1	3337.7	3929.5	4229.9	7064.0	25994.7	38325.1	38351.6	26736.8	23990.9
70°	2885.7	2903.4	3059.4	3720.5	4137.1	5544.6	23050.1	38032.1	38241.2	27210.8	23319.6
72.5°	1927.2	1974.3	2287.9	3088.9	3978.1	4196.0	13917.5	32636.2	33440.1	26143.4	20006.9
75°	1086.5	1121.9	1494.4	2329.2	3748.4	3995.8	7351.1	24043.9	24821.3	21862.0	15428.1
77.5°	533.0	552.1	845.1	1503.2	3134.5	3807.3	4169.5	16332.1	17219.9	14269.4	8726.3
80°	225.3	235.6	422.5	927.5	2240.8	3633.6	3096.2	10051.3	10161.7	5590.3	2324.7
82.5°	86.9	89.8	178.1	578.6	1423.7	2832.7	2589.8	4765.8	4651.0	1052.7	530.0
85°	10.3	11.8	64.8	347.5	792.1	1457.6	2103.9	2053.8	1900.7	209.1	272.4
87.5°	0.0	0.0	4.4	106.0	235.6	683.1	1093.9	852.5	768.5	67.7	141.3
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°	8792.5	8792.5	8792.5	8792.5	8792.5	8792.5	8792.5	8792.5	8792.5	8792.5	8792.5
2.5°	8770.4	8755.7	8676.2	8561.4	8452.4	8317.0	8187.4	8109.4	8047.5	8006.3	8054.9
5°	8794.0	8729.2	8487.7	8178.6	7875.3	7533.7	7215.7	6946.3	6840.3	6722.5	6775.5
7.5°	8786.6	8664.4	8230.1	7679.5	7122.9	6547.3	6002.5	5582.9	5365.0	5151.5	5206.0
10°	8749.8	8543.7	7885.6	7069.9	6236.6	5409.2	4636.2	4048.8	3720.5	3423.1	3465.8
12.5°	8668.8	8381.7	7479.2	6372.1	5257.5	4166.6	3261.1	2508.8	2105.4	1927.2	1949.3
15°	8620.2	8224.2	7049.3	5665.4	4212.2	2901.9	1993.5	1482.6	1298.6	1239.7	1247.0
17.5°	8596.7	8072.6	6604.7	4857.1	3143.3	1847.7	1288.3	1136.6	1096.9	1086.5	1089.5
20°	8573.1	7919.4	6146.8	4057.6	2165.7	1242.6	1058.6	1014.4	999.7	986.4	989.4
22.5°	8533.4	7772.2	5655.1	3247.9	1460.5	1008.5	954.0	911.3	880.4	864.2	867.2
25°	8484.8	7617.6	5153.0	2419.0	1065.9	899.6	848.0	787.7	750.9	721.4	722.9
27.5°	8406.8	7427.7	4634.8	1760.9	895.2	805.3	736.1	669.9	608.1	574.2	574.2
30°	8297.8	7212.7	4059.1	1260.3	802.4	712.6	628.7	546.2	480.0	449.0	446.1
32.5°	8177.1	6989.0	3477.5	955.5	728.8	625.7	530.0	443.2	384.3	359.2	357.8
35°	8074.0	6747.5	2897.5	800.9	655.2	541.8	437.3	363.7	316.5	295.9	294.5
37.5°	8007.8	6506.0	2332.1	715.5	588.9	463.8	366.6	300.3	266.5	250.3	248.8
40°	7997.5	6326.4	1815.3	650.8	527.1	394.6	306.2	254.7	223.8	206.1	204.6
42.5°	8131.4	6223.4	1392.8	596.3	463.8	334.2	260.6	217.9	185.5	167.8	166.4
45°	8483.3	6255.8	1071.8	547.7	400.5	282.7	220.8	181.1	151.6	138.4	135.5
47.5°	9125.2	6479.5	852.5	499.1	340.1	240.0	188.5	150.2	125.1	111.9	110.4
50°	10267.7	7005.1	712.6	446.1	284.2	204.6	156.1	122.2	101.6	89.8	88.3
52.5°	11784.2	7941.5	636.0	394.6	235.6	173.7	128.1	97.2	79.5	70.7	69.2
55°	13456.7	9075.2	586.0	338.6	192.9	144.3	101.6	76.6	61.8	54.5	51.5
57.5°	15089.5	10057.2	538.9	284.2	160.5	117.8	81.0	60.4	48.6	41.2	39.8
60°	16589.7	10959.7	484.4	228.2	131.0	92.8	63.3	47.1	38.3	30.9	30.9
62.5°	18196.0	11657.6	409.3	178.1	107.5	70.7	51.5	42.7	30.9	26.5	25.0
65°	19898.0	12175.8	321.0	138.4	83.9	53.0	42.7	44.2	25.0	19.1	17.7
67.5°	21155.3	12072.8	237.0	108.9	64.8	41.2	41.2	47.1	22.1	14.7	13.3
69°	20878.5	11235.0	198.8	94.2	55.9	35.3	38.3	47.1	20.6	13.3	11.8
70°	20076.1	10307.5	175.2	83.9	50.1	32.4	36.8	45.6	19.1	13.3	11.8
72.5°	16719.3	7763.4	136.9	63.3	39.8	26.5	30.9	39.8	19.1	13.3	10.3
75°	12576.3	4969.0	104.5	45.6	29.4	20.6	23.6	29.4	19.1	11.8	10.3
77.5°	6843.2	1791.8	75.1	30.9	20.6	16.2	16.2	22.1	17.7	8.8	5.9
80°	1759.4	450.5	47.1	20.6	16.2	11.8	10.3	14.7	10.3	1.5	0.0
82.5°	434.3	101.6	25.0	14.7	11.8	4.4	4.4	7.4	4.4	0.0	0.0
85°	238.5	50.1	16.2	10.3	5.9	0.0	0.0	1.5	0.0	0.0	0.0
87.5°	122.2	14.7	4.4	2.9	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)