

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: P323249

Luminaire Tested: **GAN-SA5C-750-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323249
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-SA5C-750-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5000K, 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: 29281 lumens
Efficiency: N/A
Efficacy: 104.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

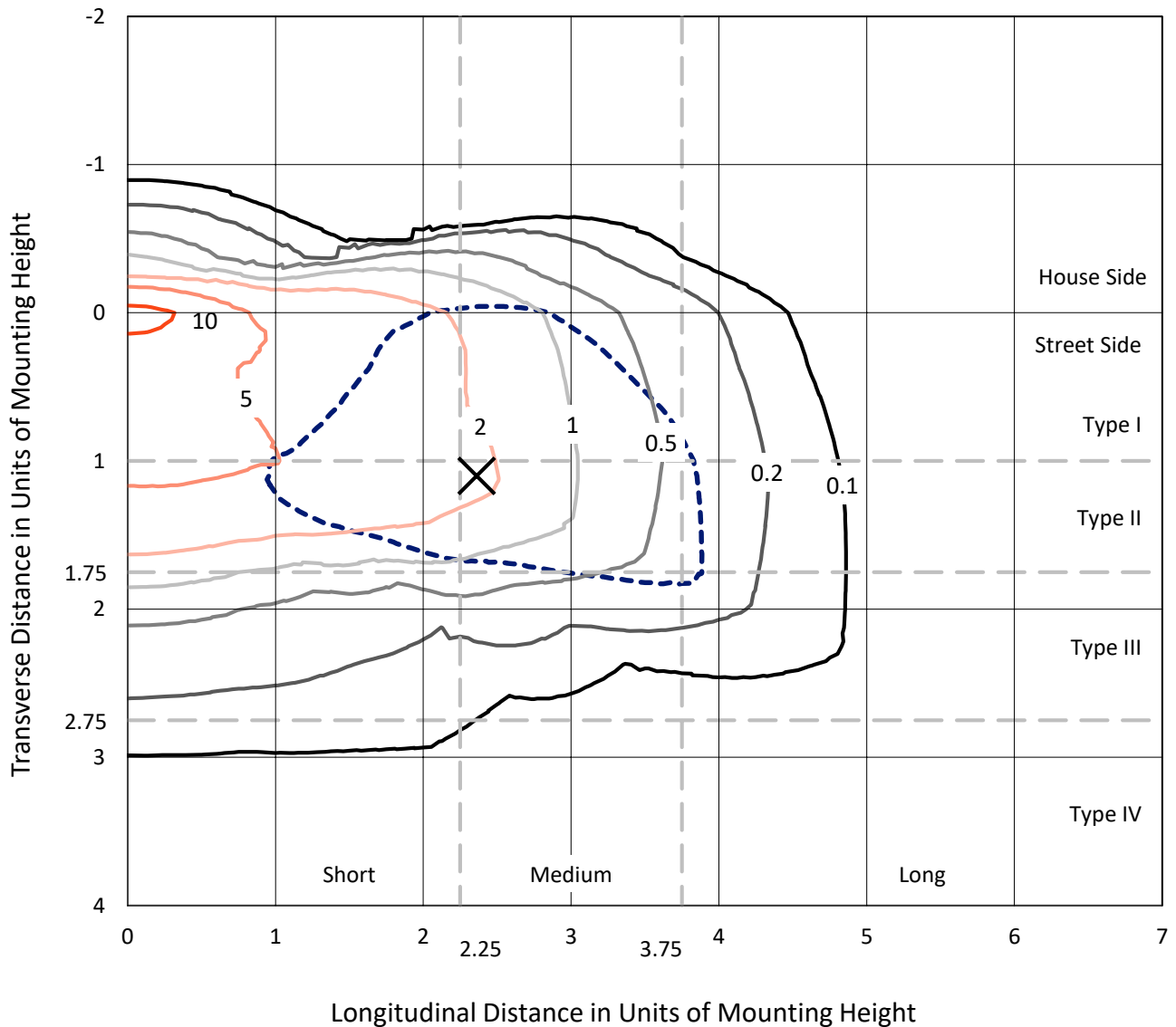
Input Watts (W): 279
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

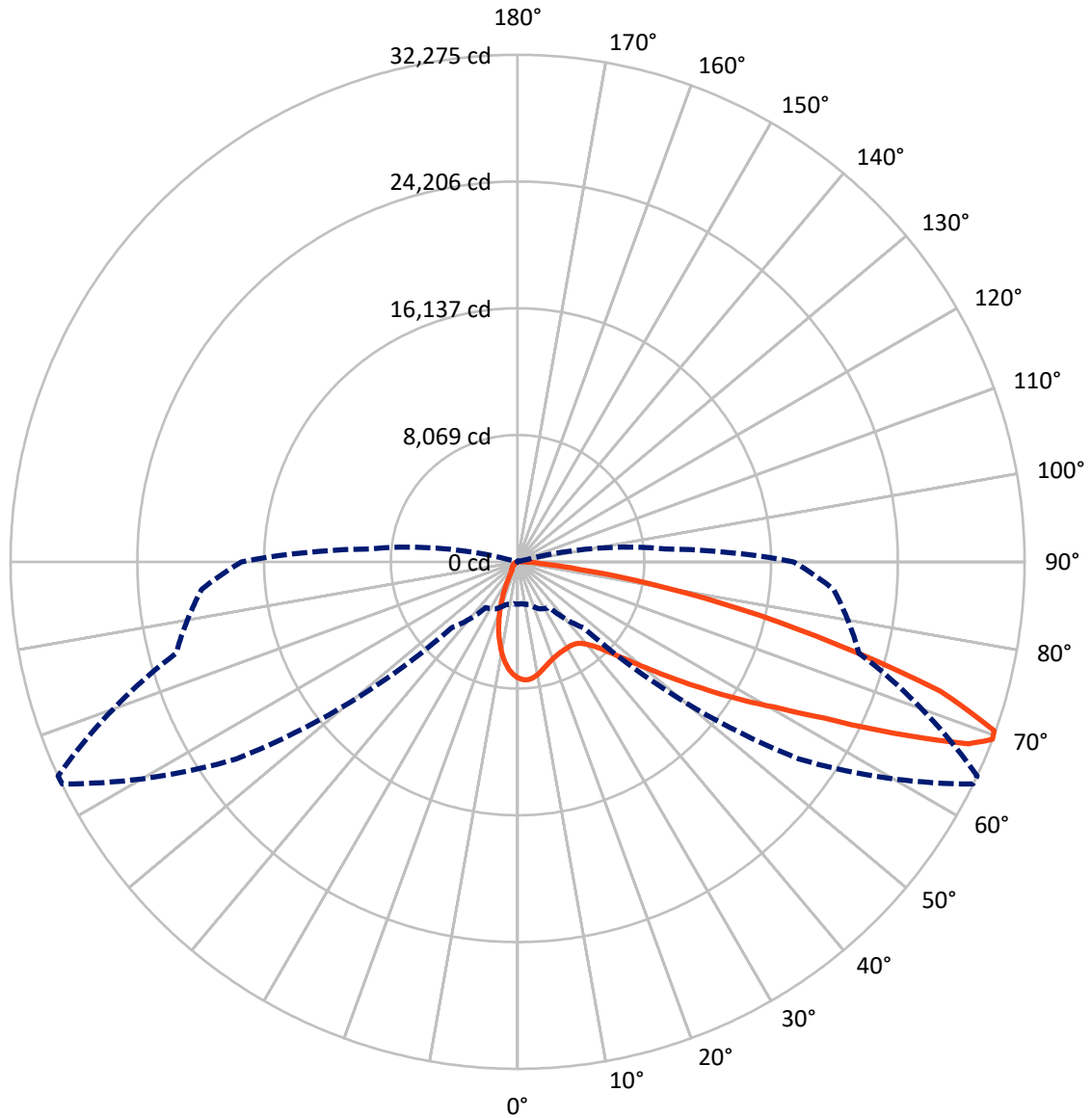
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.8 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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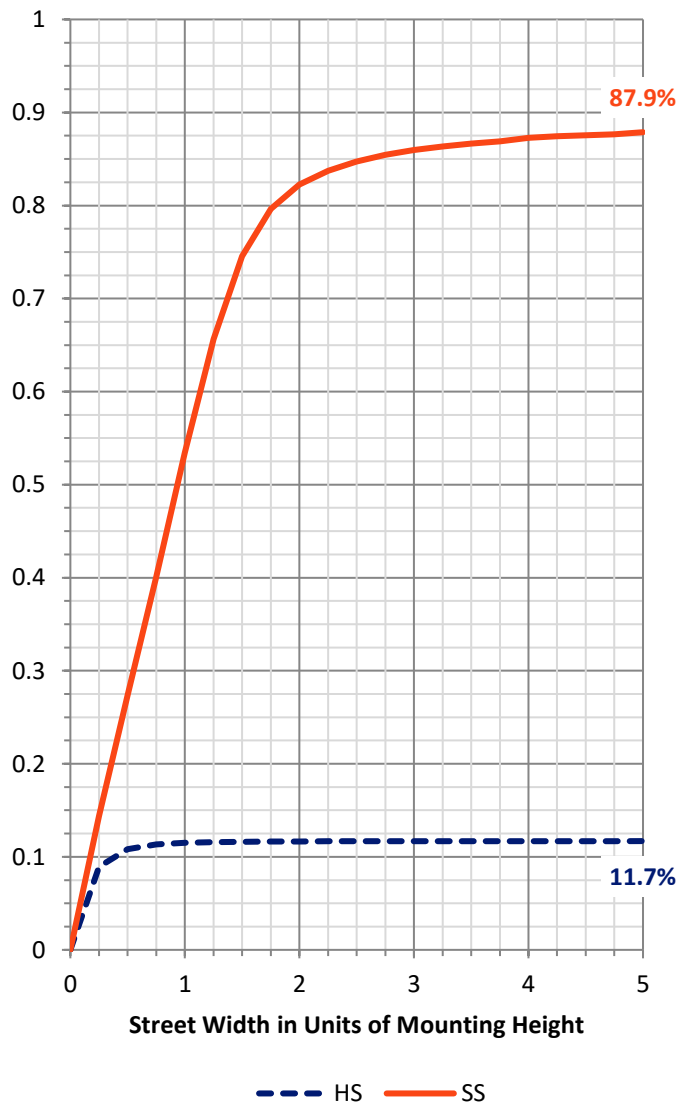
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3451.5	0.0	3451.5
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	25829.5	0.0	25829.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	29281.0	0.0	29281.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.7	2.1
10°-20°	1354.5	4.6
20°-30°	1876.0	6.4
30°-40°	2615.7	8.9
40°-50°	4065.6	13.9
50°-60°	6526.9	22.3
60°-70°	7383.0	25.2
70°-80°	4336.1	14.8
80°-90°	504.4	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°	29281.0	100.0
0°-180°	29281.0	100.0

Coefficient of Utilization

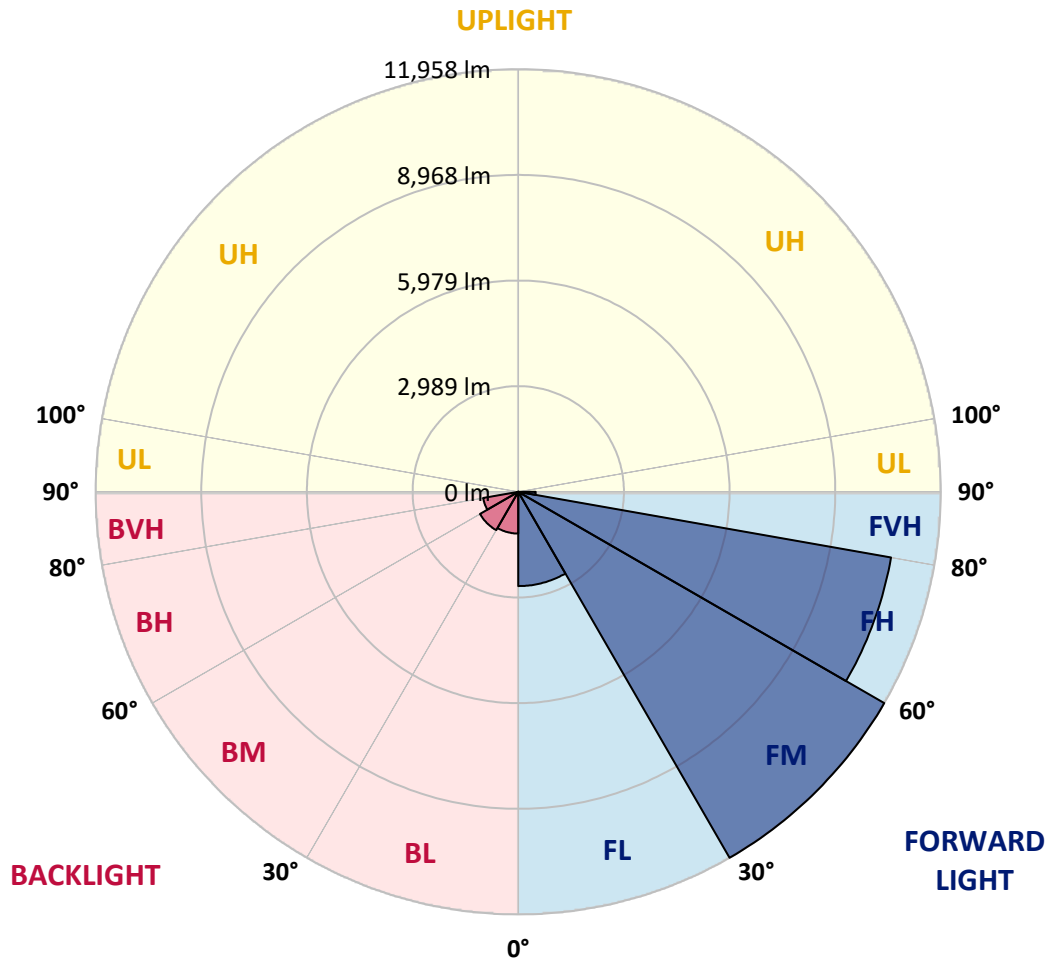


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2668.2	9.1			
FM (30°-60°)	11957.5	40.8			
FH (60°-80°)	10710.7	36.6			G4/12000
FVH (80°-90°)	493.1	1.7			G3/500
BL (0°-30°)	1181.0	4.0	B3/2500		
BM (30°-60°)	1250.7	4.3	B2/2500		
BH (60°-80°)	1008.5	3.4	B3/2500		G3/2500
BVH (80°-90°)	11.3	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-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	7399.4	7399.4	7399.4	7399.4	7399.4	7399.4	7399.4	7399.4	7399.4	7399.4	7399.4
2.5°	7465.0	7446.4	7461.3	7493.5	7509.6	7509.6	7522.0	7507.2	7512.1	7476.2	7424.1
5°	6997.9	6969.4	7010.3	7100.8	7212.3	7307.7	7448.9	7523.3	7530.7	7531.9	7471.2
7.5°	6494.9	6468.9	6529.6	6636.1	6779.9	6957.0	7203.6	7419.2	7431.6	7548.0	7503.4
10°	6086.0	6067.4	6138.0	6252.0	6420.5	6618.8	6921.1	7220.9	7256.9	7514.6	7498.5
12.5°	5761.4	5746.5	5813.4	5944.8	6117.0	6336.3	6652.2	7000.4	7048.7	7439.0	7473.7
15°	5524.7	5522.3	5578.0	5704.4	5895.2	6099.6	6423.0	6796.0	6851.7	7357.2	7470.0
17.5°	5400.8	5404.6	5445.4	5553.2	5716.8	5920.0	6229.7	6623.7	6684.5	7284.1	7488.6
20°	5388.4	5392.2	5414.5	5475.2	5607.8	5787.4	6072.4	6478.8	6542.0	7229.6	7518.3
22.5°	5497.5	5495.0	5501.2	5495.0	5569.3	5705.6	5968.3	6367.3	6440.4	7193.7	7541.8
25°	5706.9	5703.2	5700.7	5654.8	5605.3	5678.4	5924.9	6304.1	6373.5	7167.7	7555.5
27.5°	5998.0	5995.6	5991.8	5916.3	5767.6	5721.7	5929.9	6280.5	6338.8	7146.6	7553.0
30°	6380.9	6398.2	6393.3	6288.0	6056.3	5854.3	5981.9	6268.1	6318.9	7105.7	7527.0
32.5°	6830.7	6865.3	6892.6	6779.9	6489.9	6117.0	6102.1	6281.8	6318.9	7074.7	7479.9
35°	7297.8	7342.4	7442.7	7403.1	7021.5	6512.2	6309.0	6363.5	6394.5	7092.1	7457.6
37.5°	7757.4	7810.7	8028.8	8144.0	7717.8	7035.1	6631.2	6565.5	6581.6	7197.4	7482.4
40°	8291.4	8372.0	8702.8	8888.6	8549.2	7735.1	7113.1	6912.4	6918.6	7429.1	7597.6
42.5°	8992.7	9075.7	9433.8	9725.0	9485.9	8619.8	7767.3	7442.7	7436.5	7862.7	7868.9
45°	9847.6	9934.4	10304.8	10628.2	10520.4	9668.0	8604.9	8217.1	8209.7	8546.7	8383.1
47.5°	10816.5	10902.0	11232.9	11566.1	11682.6	10892.1	9671.7	9274.0	9256.6	9497.0	9177.3
50°	11647.9	11703.7	12008.5	12457.0	12982.3	12396.3	10998.7	10615.8	10597.2	10759.6	10343.2
52.5°	11950.2	11982.5	12292.2	12920.4	14231.3	14433.2	12742.0	12248.8	12235.2	12305.8	11895.7
55°	11338.2	11396.4	11776.8	12708.5	14907.8	16735.3	14942.4	14270.9	14168.1	14015.7	13518.8
57.5°	9670.5	9763.4	10172.3	11411.3	14591.8	18561.6	18176.3	16558.1	16407.0	15475.2	14838.4
60°	7245.7	7359.7	7699.2	9036.1	12905.5	19212.1	21709.9	19106.8	18766.0	16637.4	16051.4
62.5°	4972.1	5029.1	5259.6	6130.6	9504.4	18146.5	24666.2	22520.2	21898.2	17901.2	17363.5
65°	3797.6	3817.4	3911.6	4211.4	5659.8	14740.5	25842.0	27024.0	26271.9	19412.8	18725.1
67.5°	3060.4	3044.2	3174.3	3603.0	3790.1	8992.7	24470.4	31285.0	30933.1	21433.6	20095.5
69°	2698.6	2676.3	2808.8	3306.9	3559.7	5944.8	21875.9	32252.6	32274.9	22500.4	20189.6
70°	2428.5	2443.3	2574.7	3131.0	3481.6	4666.1	19397.9	32006.1	32182.0	22899.4	19624.7
72.5°	1621.9	1661.5	1925.4	2599.4	3347.8	3531.2	11712.3	27465.1	28141.6	22001.1	16836.9
75°	914.4	944.1	1257.6	1960.1	3154.5	3362.7	6186.4	20234.3	20888.4	18398.0	12983.6
77.5°	448.5	464.6	711.2	1265.0	2637.8	3204.1	3508.9	13744.3	14491.4	12008.5	7343.6
80°	189.6	198.2	355.6	780.6	1885.8	3057.9	2605.6	8458.7	8551.6	4704.5	1956.4
82.5°	73.1	75.6	149.9	486.9	1198.1	2383.9	2179.4	4010.7	3914.0	885.9	446.0
85°	8.7	9.9	54.5	292.4	666.6	1226.6	1770.5	1728.4	1599.6	175.9	229.2
87.5°	0.0	0.0	3.7	89.2	198.2	574.9	920.6	717.4	646.8	57.0	118.9
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°	7399.4	7399.4	7399.4	7399.4	7399.4	7399.4	7399.4	7399.4	7399.4	7399.4	7399.4
2.5°	7380.8	7368.4	7301.5	7204.8	7113.1	6999.2	6890.1	6824.5	6772.4	6737.7	6778.6
5°	7400.6	7346.1	7142.9	6882.7	6627.5	6340.0	6072.4	5845.6	5756.4	5657.3	5701.9
7.5°	7394.4	7291.6	6926.1	6462.7	5994.3	5509.9	5051.4	4698.3	4514.9	4335.3	4381.1
10°	7363.4	7190.0	6636.1	5949.7	5248.4	4552.1	3901.6	3407.3	3131.0	2880.7	2916.6
12.5°	7295.3	7053.7	6294.2	5362.4	4424.5	3506.4	2744.4	2111.3	1771.8	1621.9	1640.4
15°	7254.4	6921.1	5932.4	4767.7	3544.8	2442.1	1677.6	1247.7	1092.8	1043.2	1049.4
17.5°	7234.6	6793.5	5558.2	4087.5	2645.3	1555.0	1084.1	956.5	923.1	914.4	916.9
20°	7214.7	6664.6	5172.9	3414.7	1822.6	1045.7	890.8	853.7	841.3	830.1	832.6
22.5°	7181.3	6540.7	4759.0	2733.3	1229.1	848.7	802.9	766.9	740.9	727.3	729.8
25°	7140.4	6410.6	4336.5	2035.7	897.0	757.0	713.7	662.9	631.9	607.1	608.4
27.5°	7074.7	6250.8	3900.4	1481.9	753.3	677.7	619.5	563.7	511.7	483.2	483.2
30°	6983.1	6069.9	3415.9	1060.6	675.3	599.7	529.1	459.7	403.9	377.9	375.4
32.5°	6881.5	5881.6	2926.5	804.1	613.3	526.6	446.0	372.9	323.4	302.3	301.1
35°	6794.7	5678.4	2438.4	674.0	551.4	456.0	368.0	306.0	266.4	249.0	247.8
37.5°	6739.0	5475.2	1962.6	602.2	495.6	390.3	308.5	252.8	224.3	210.6	209.4
40°	6730.3	5324.0	1527.7	547.6	443.6	332.1	257.7	214.3	188.3	173.5	172.2
42.5°	6843.0	5237.3	1172.1	501.8	390.3	281.3	219.3	183.4	156.1	141.2	140.0
45°	7139.2	5264.5	902.0	460.9	337.0	237.9	185.9	152.4	127.6	116.5	114.0
47.5°	7679.4	5452.9	717.4	420.0	286.2	202.0	158.6	126.4	105.3	94.2	92.9
50°	8640.8	5895.2	599.7	375.4	239.1	172.2	131.3	102.8	85.5	75.6	74.3
52.5°	9917.0	6683.2	535.3	332.1	198.2	146.2	107.8	81.8	66.9	59.5	58.2
55°	11324.5	7637.2	493.1	285.0	162.3	121.4	85.5	64.4	52.0	45.8	43.4
57.5°	12698.6	8463.7	453.5	239.1	135.1	99.1	68.1	50.8	40.9	34.7	33.5
60°	13961.2	9223.2	407.6	192.0	110.3	78.1	53.3	39.6	32.2	26.0	26.0
62.5°	15312.9	9810.5	344.4	149.9	90.4	59.5	43.4	35.9	26.0	22.3	21.1
65°	16745.2	10246.6	270.1	116.5	70.6	44.6	35.9	37.2	21.1	16.1	14.9
67.5°	17803.3	10159.9	199.5	91.7	54.5	34.7	34.7	39.6	18.6	12.4	11.2
69°	17570.4	9454.9	167.3	79.3	47.1	29.7	32.2	39.6	17.3	11.2	9.9
70°	16895.1	8674.3	147.4	70.6	42.1	27.3	31.0	38.4	16.1	11.2	9.9
72.5°	14070.2	6533.3	115.2	53.3	33.5	22.3	26.0	33.5	16.1	11.2	8.7
75°	10583.6	4181.7	88.0	38.4	24.8	17.3	19.8	24.8	16.1	9.9	8.7
77.5°	5758.9	1507.9	63.2	26.0	17.3	13.6	13.6	18.6	14.9	7.4	5.0
80°	1480.6	379.1	39.6	17.3	13.6	9.9	8.7	12.4	8.7	1.2	0.0
82.5°	365.5	85.5	21.1	12.4	9.9	3.7	3.7	6.2	3.7	0.0	0.0
85°	200.7	42.1	13.6	8.7	5.0	0.0	0.0	1.2	0.0	0.0	0.0
87.5°	102.8	12.4	3.7	2.5	1.2	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)