

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: P323232

Luminaire Tested: **GAN-SA8A-750-U-SL2-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323232
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-SA8A-750-U-SL2-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 5000K, 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: 30935 lumens
Efficiency: N/A
Efficacy: 120.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

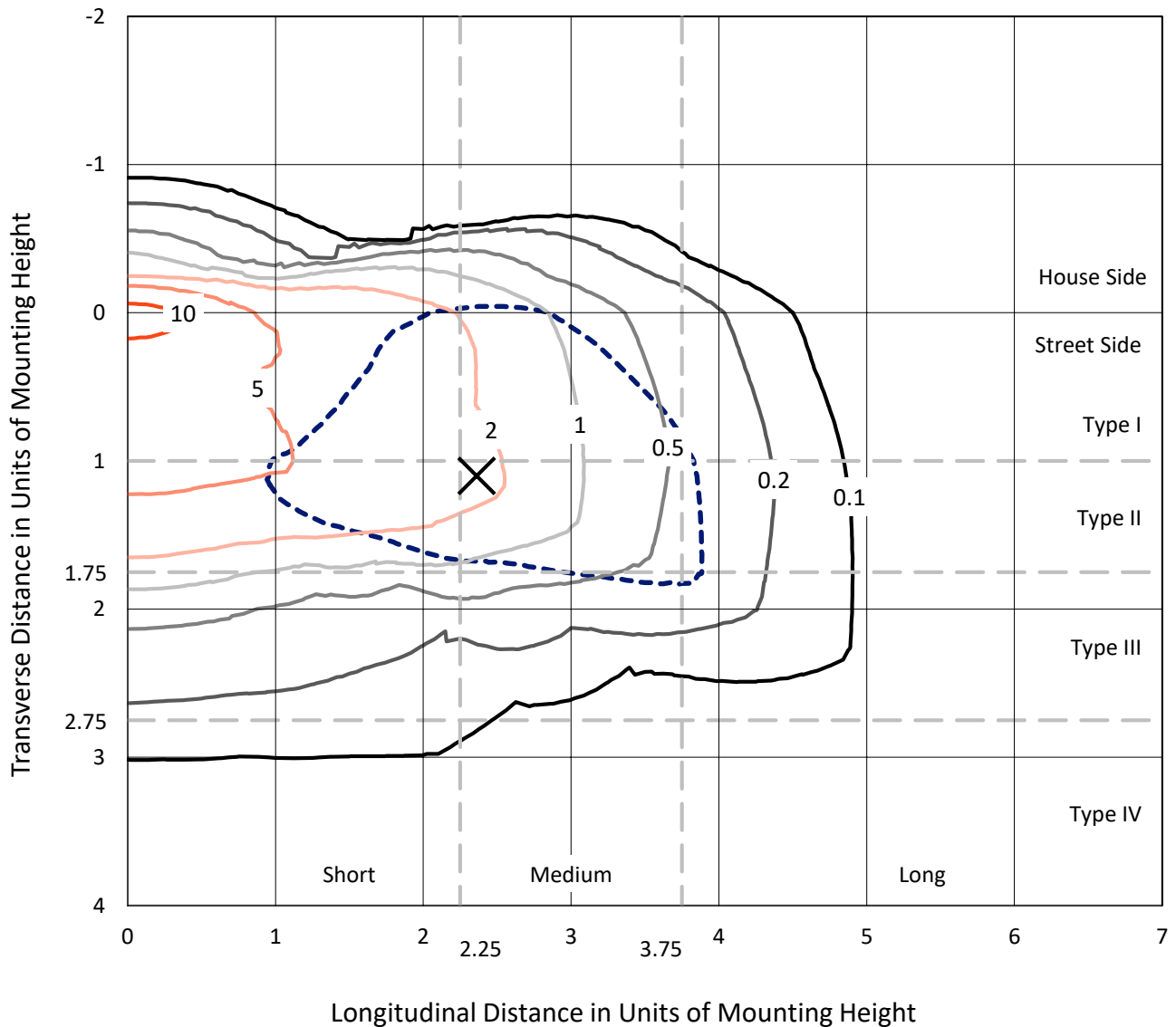
Input Watts (W): 257
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

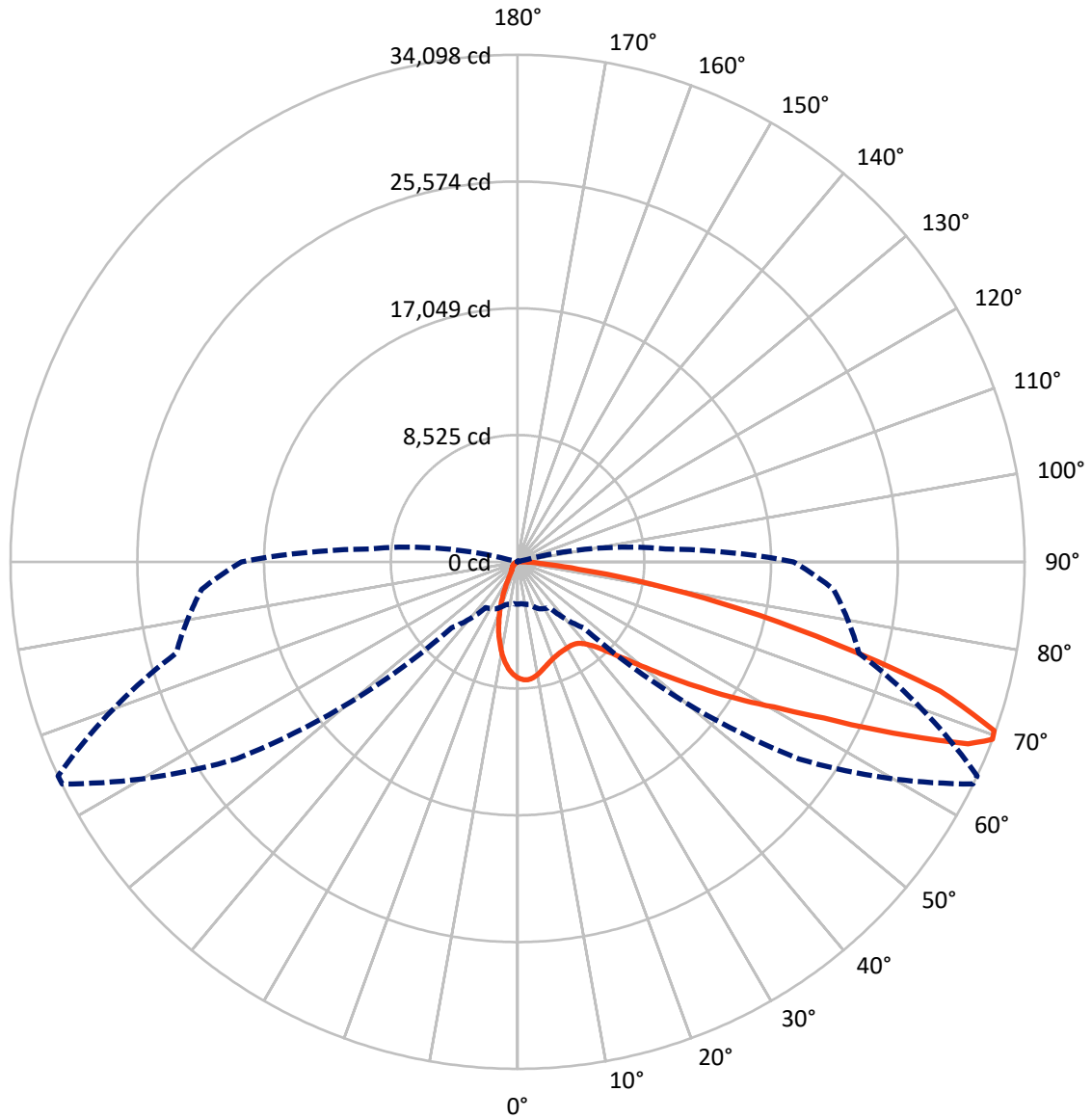
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.5 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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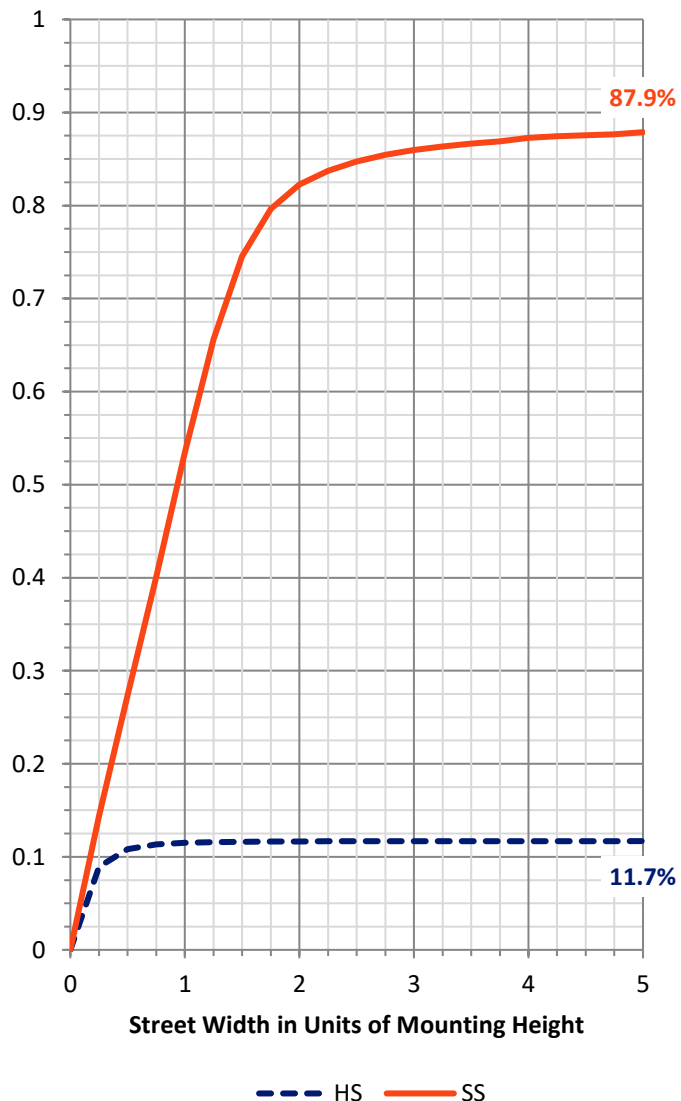
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3646.5	0.0	3646.5
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	27288.5	0.0	27288.5
	% Fixture	88.2	0.0	88.2
Total	Lumens	30935.0	0.0	30935.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	653.7	2.1
10°-20°	1431.0	4.6
20°-30°	1981.9	6.4
30°-40°	2763.4	8.9
40°-50°	4295.3	13.9
50°-60°	6895.6	22.3
60°-70°	7800.1	25.2
70°-80°	4581.1	14.8
80°-90°	532.9	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°	30935.0	100.0
0°-180°	30935.0	100.0

Coefficient of Utilization

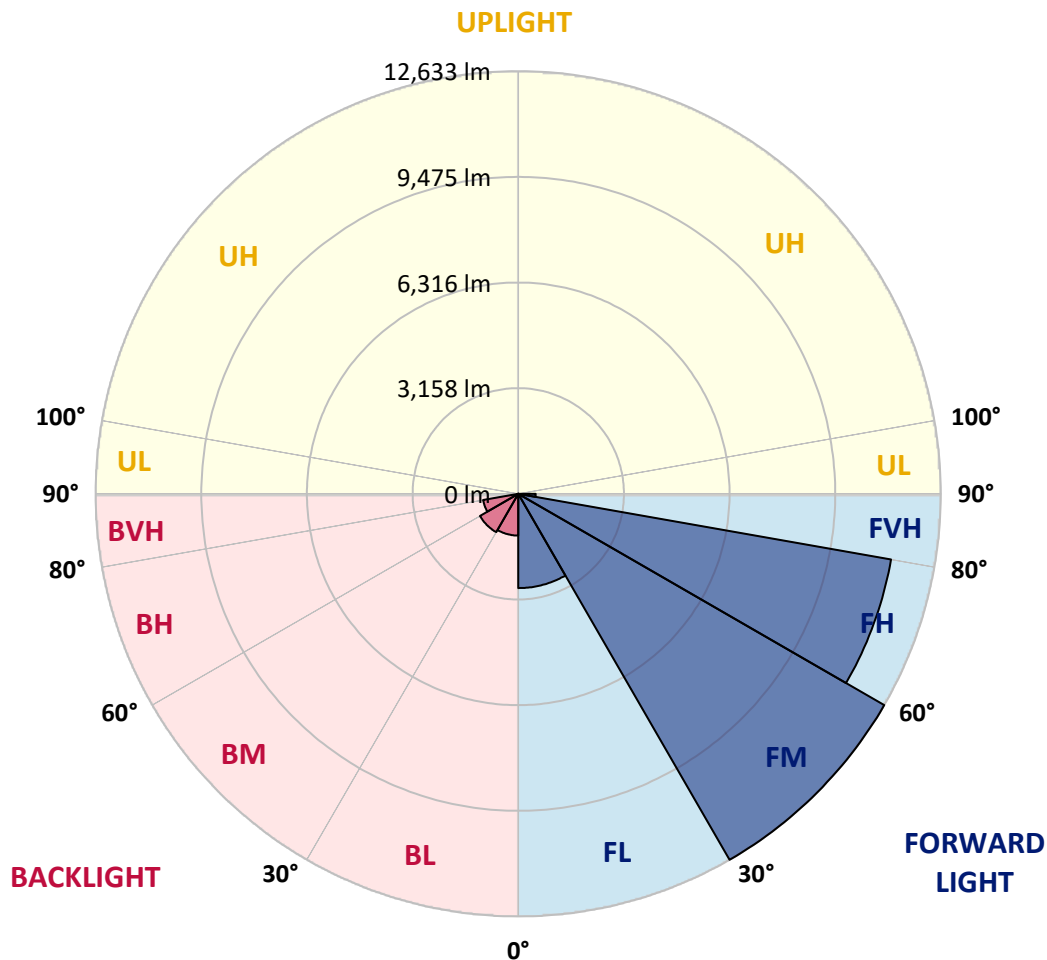


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2818.9	9.1			
FM (30°-60°)	12633.0	40.8			
FH (60°-80°)	11315.7	36.6			G4/12000
FVH (80°-90°)	520.9	1.7			G4/750
BL (0°-30°)	1247.7	4.0	B3/2500		
BM (30°-60°)	1321.4	4.3	B2/2500		
BH (60°-80°)	1065.4	3.4	B3/2500		G3/2500
BVH (80°-90°)	12.0	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°	7817.3	7817.3	7817.3	7817.3	7817.3	7817.3	7817.3	7817.3	7817.3	7817.3	7817.3
2.5°	7886.7	7867.1	7882.8	7916.8	7933.8	7933.8	7946.9	7931.2	7936.4	7898.5	7843.5
5°	7393.2	7363.1	7406.3	7501.9	7619.7	7720.5	7869.7	7948.2	7956.1	7957.4	7893.3
7.5°	6861.8	6834.3	6898.4	7011.0	7162.8	7350.0	7610.5	7838.3	7851.4	7974.4	7927.3
10°	6429.8	6410.2	6484.8	6605.2	6783.2	6992.7	7312.1	7628.8	7666.8	7939.1	7922.0
12.5°	6086.8	6071.1	6141.8	6280.6	6462.5	6694.2	7028.0	7395.8	7446.9	7859.2	7895.9
15°	5836.8	5834.2	5893.1	6026.6	6228.2	6444.2	6785.8	7179.8	7238.8	7772.8	7891.9
17.5°	5705.9	5709.8	5753.0	5866.9	6039.7	6254.4	6581.6	6997.9	7062.0	7695.6	7911.6
20°	5692.8	5696.8	5720.3	5784.5	5924.5	6114.3	6415.4	6844.7	6911.5	7638.0	7943.0
22.5°	5808.0	5805.4	5811.9	5805.4	5883.9	6027.9	6305.4	6726.9	6804.2	7600.0	7967.9
25°	6029.2	6025.3	6022.7	5974.3	5921.9	5999.1	6259.6	6660.2	6733.5	7572.5	7982.3
27.5°	6336.9	6334.2	6330.3	6250.5	6093.4	6044.9	6264.9	6635.3	6696.8	7550.3	7979.6
30°	6741.3	6759.7	6754.4	6643.2	6398.4	6185.0	6319.8	6622.2	6675.9	7507.1	7952.2
32.5°	7216.5	7253.2	7281.9	7162.8	6856.5	6462.5	6446.8	6636.6	6675.9	7474.4	7902.4
35°	7710.0	7757.1	7863.1	7821.3	7418.1	6880.1	6665.4	6723.0	6755.7	7492.7	7878.9
37.5°	8195.6	8251.9	8482.3	8604.0	8153.7	7432.5	7005.8	6936.4	6953.4	7604.0	7905.0
40°	8759.8	8844.9	9194.4	9390.7	9032.1	8172.1	7515.0	7302.9	7309.4	7848.7	8026.8
42.5°	9500.7	9588.4	9966.7	10274.3	10021.7	9106.7	8206.1	7863.1	7856.6	8306.9	8313.4
45°	10403.9	10495.5	10886.9	11228.6	11114.7	10214.1	9091.0	8681.3	8673.4	9029.5	8856.7
47.5°	11427.5	11517.9	11867.4	12219.5	12342.5	11507.4	10218.0	9797.8	9779.5	10033.5	9695.7
50°	12305.9	12364.8	12686.8	13160.7	13715.7	13096.5	11620.0	11215.5	11195.8	11367.3	10927.5
52.5°	12625.3	12659.3	12986.6	13650.2	15035.1	15248.5	13461.7	12940.7	12926.3	13001.0	12567.7
55°	11978.6	12040.2	12442.0	13426.4	15749.8	17680.6	15786.5	15077.0	14968.4	14807.4	14282.5
57.5°	10216.7	10314.9	10746.9	12055.9	15416.1	19610.1	19203.0	17493.4	17333.7	16349.4	15676.5
60°	7655.0	7775.4	8134.1	9546.5	13634.5	20297.3	22936.2	20186.0	19826.1	17577.2	16958.1
62.5°	5253.0	5313.2	5556.7	6476.9	10041.3	19171.6	26059.5	23792.3	23135.2	18912.4	18344.3
65°	4012.1	4033.0	4132.5	4449.3	5979.5	15573.1	27301.7	28550.5	27756.0	20509.4	19782.9
67.5°	3233.2	3216.2	3353.6	3806.6	4004.2	9500.7	25852.7	33052.2	32680.4	22644.3	21230.6
69°	2851.0	2827.4	2967.5	3493.7	3760.7	6280.6	23111.6	34074.5	34098.1	23771.4	21330.1
70°	2565.6	2581.3	2720.1	3307.8	3678.3	4929.7	20493.7	33814.0	33999.9	24192.9	20733.2
72.5°	1713.5	1755.4	2034.2	2746.3	3536.9	3730.6	12373.9	29016.5	29731.2	23243.9	17788.0
75°	966.0	997.5	1328.6	2070.8	3332.7	3552.6	6535.8	21377.2	22068.4	19437.3	13717.0
77.5°	473.9	490.9	751.4	1336.5	2786.9	3385.1	3707.1	14520.7	15310.0	12686.8	7758.4
80°	200.3	209.4	375.7	824.7	1992.3	3230.6	2752.8	8936.5	9034.7	4970.3	2066.9
82.5°	77.2	79.8	158.4	514.4	1265.8	2518.5	2302.5	4237.2	4135.1	935.9	471.2
85°	9.2	10.5	57.6	308.9	704.2	1295.9	1870.6	1826.1	1689.9	185.9	242.2
87.5°	0.0	0.0	3.9	94.2	209.4	607.4	972.6	757.9	683.3	60.2	125.7
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°	7817.3	7817.3	7817.3	7817.3	7817.3	7817.3	7817.3	7817.3	7817.3	7817.3	7817.3
2.5°	7797.7	7784.6	7713.9	7611.8	7515.0	7394.5	7279.3	7210.0	7155.0	7118.3	7161.5
5°	7818.6	7761.0	7546.4	7271.5	7001.8	6698.1	6415.4	6175.8	6081.6	5976.9	6024.0
7.5°	7812.1	7703.4	7317.3	6827.7	6332.9	5821.1	5336.8	4963.7	4770.0	4580.2	4628.6
10°	7779.4	7596.1	7011.0	6285.8	5544.9	4809.3	4122.0	3599.7	3307.8	3043.4	3081.4
12.5°	7707.4	7452.1	6649.7	5665.3	4674.4	3704.5	2899.4	2230.5	1871.9	1713.5	1733.1
15°	7664.2	7312.1	6267.5	5037.0	3745.0	2580.0	1772.4	1318.2	1154.5	1102.2	1108.7
17.5°	7643.2	7177.2	5872.2	4318.4	2794.7	1642.8	1145.4	1010.5	975.2	966.0	968.7
20°	7622.3	7041.1	5465.1	3607.6	1925.5	1104.8	941.2	901.9	888.8	877.0	879.6
22.5°	7586.9	6910.2	5027.9	2887.6	1298.5	896.7	848.2	810.3	782.8	768.4	771.0
25°	7543.7	6772.7	4581.5	2150.7	947.7	799.8	754.0	700.3	667.6	641.4	642.7
27.5°	7474.4	6603.9	4120.7	1565.6	795.9	716.0	654.5	595.6	540.6	510.5	510.5
30°	7377.5	6412.8	3608.9	1120.5	713.4	633.6	558.9	485.6	426.7	399.2	396.6
32.5°	7270.2	6213.8	3091.9	849.5	648.0	556.3	471.2	394.0	341.6	319.4	318.1
35°	7178.5	5999.1	2576.1	712.1	582.5	481.7	388.8	323.3	281.4	263.1	261.8
37.5°	7119.6	5784.5	2073.5	636.2	523.6	412.3	325.9	267.0	236.9	222.5	221.2
40°	7110.5	5624.8	1614.0	578.6	468.6	350.8	272.3	226.5	199.0	183.3	182.0
42.5°	7229.6	5533.1	1238.3	530.1	412.3	297.1	231.7	193.7	164.9	149.2	147.9
45°	7542.4	5561.9	952.9	486.9	356.0	251.3	196.3	161.0	134.8	123.0	120.4
47.5°	8113.2	5760.9	757.9	443.7	302.4	213.4	167.6	133.5	111.3	99.5	98.2
50°	9128.9	6228.2	633.6	396.6	252.6	182.0	138.8	108.6	90.3	79.8	78.5
52.5°	10477.2	7060.7	565.5	350.8	209.4	154.5	113.9	86.4	70.7	62.8	61.5
55°	11964.2	8068.7	521.0	301.1	171.5	128.3	90.3	68.1	55.0	48.4	45.8
57.5°	13415.9	8941.8	479.1	252.6	142.7	104.7	72.0	53.7	43.2	36.7	35.3
60°	14749.8	9744.2	430.7	202.9	116.5	82.5	56.3	41.9	34.0	27.5	27.5
62.5°	16177.9	10364.6	363.9	158.4	95.6	62.8	45.8	38.0	27.5	23.6	22.3
65°	17691.1	10825.4	285.4	123.0	74.6	47.1	38.0	39.3	22.3	17.0	15.7
67.5°	18809.0	10733.8	210.7	96.9	57.6	36.7	36.7	41.9	19.6	13.1	11.8
69°	18562.9	9989.0	176.7	83.8	49.7	31.4	34.0	41.9	18.3	11.8	10.5
70°	17849.5	9164.3	155.8	74.6	44.5	28.8	32.7	40.6	17.0	11.8	10.5
72.5°	14865.0	6902.3	121.7	56.3	35.3	23.6	27.5	35.3	17.0	11.8	9.2
75°	11181.5	4417.9	92.9	40.6	26.2	18.3	20.9	26.2	17.0	10.5	9.2
77.5°	6084.2	1593.0	66.8	27.5	18.3	14.4	14.4	19.6	15.7	7.9	5.2
80°	1564.3	400.6	41.9	18.3	14.4	10.5	9.2	13.1	9.2	1.3	0.0
82.5°	386.2	90.3	22.3	13.1	10.5	3.9	3.9	6.5	3.9	0.0	0.0
85°	212.1	44.5	14.4	9.2	5.2	0.0	0.0	1.3	0.0	0.0	0.0
87.5°	108.6	13.1	3.9	2.6	1.3	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)