

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: P459610

Luminaire Tested: **GAN-SA3A-AMB-U-SL2-HSS**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459610
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3A-AMB-U-SL2-HSS
Description: GALLEON ROADWAY AND AREA LUMINAIRE
(3) NARROW BAND AMBER, 500mA 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: 2632 lumens
Efficiency: N/A
Efficacy: 43.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B0 - U0 - G1

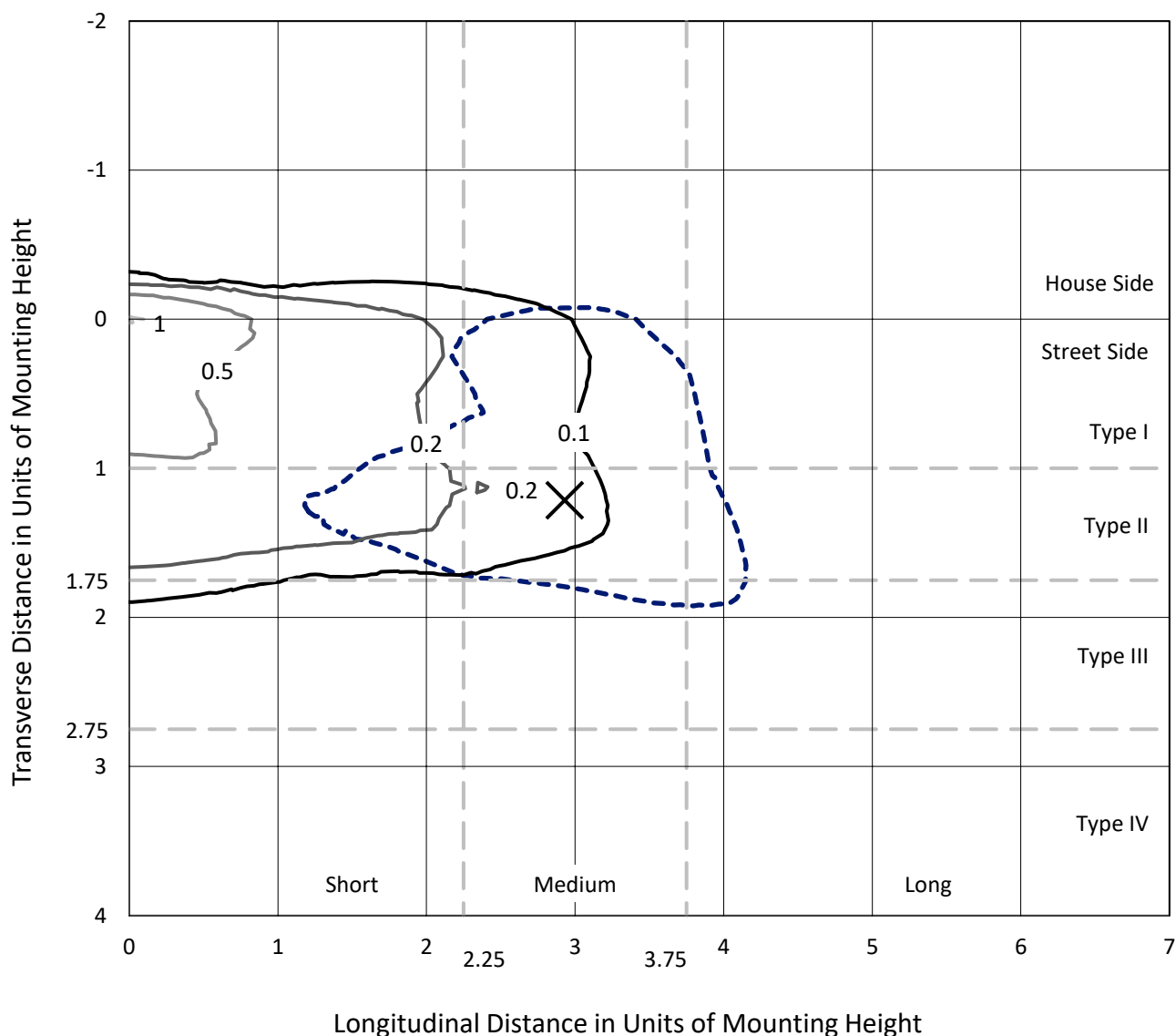
Input Watts (W): 61.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

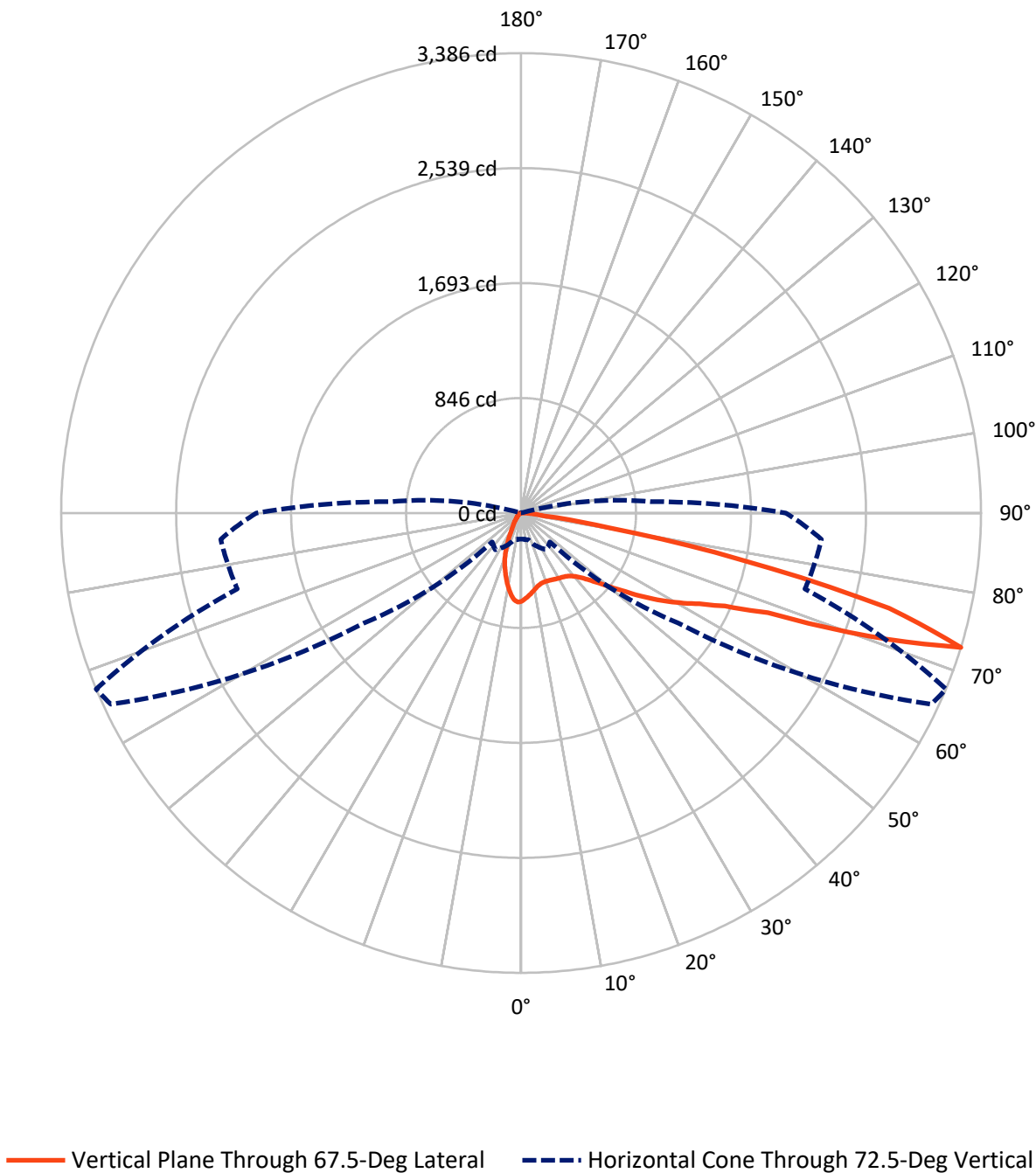
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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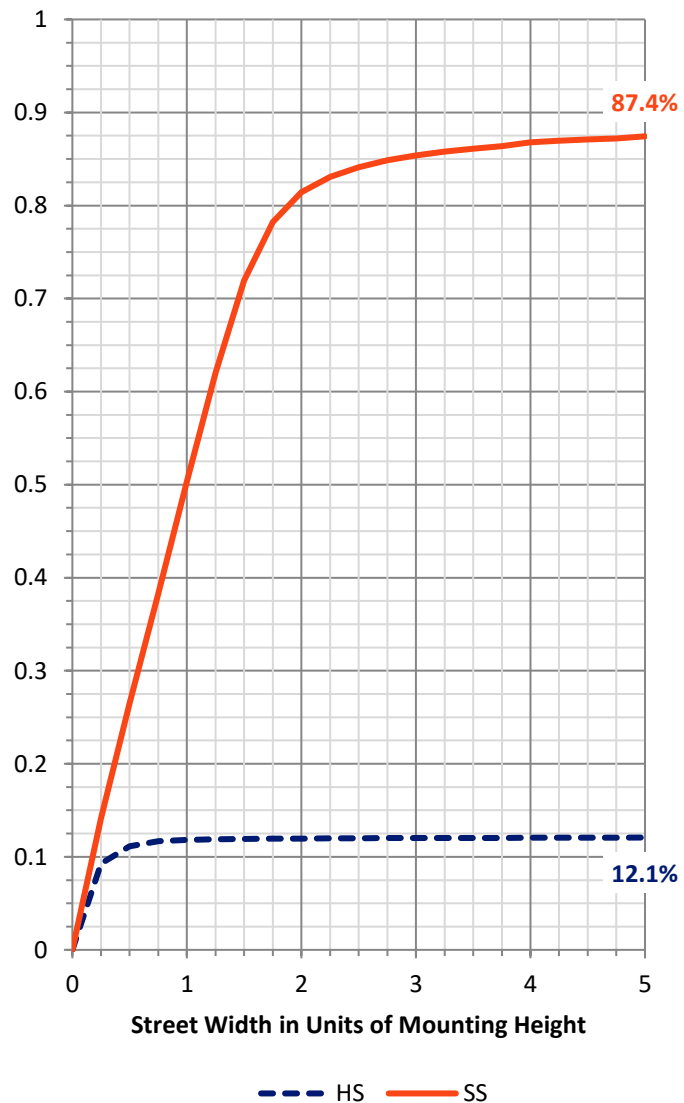
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	321.0	0.0	321.0
	% Fixture	12.2	0.0	12.2
Street Side	Lumens	2311.0	0.0	2311.0
	% Fixture	87.8	0.0	87.8
Total	Lumens	2632.0	0.0	2632.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.7	2.0
10°-20°	113.2	4.3
20°-30°	159.8	6.1
30°-40°	229.0	8.7
40°-50°	345.4	13.1
50°-60°	553.8	21.0
60°-70°	654.7	24.9
70°-80°	478.2	18.2
80°-90°	44.2	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°	2632.0	100.0
0°-180°	2632.0	100.0

Coefficient of Utilization



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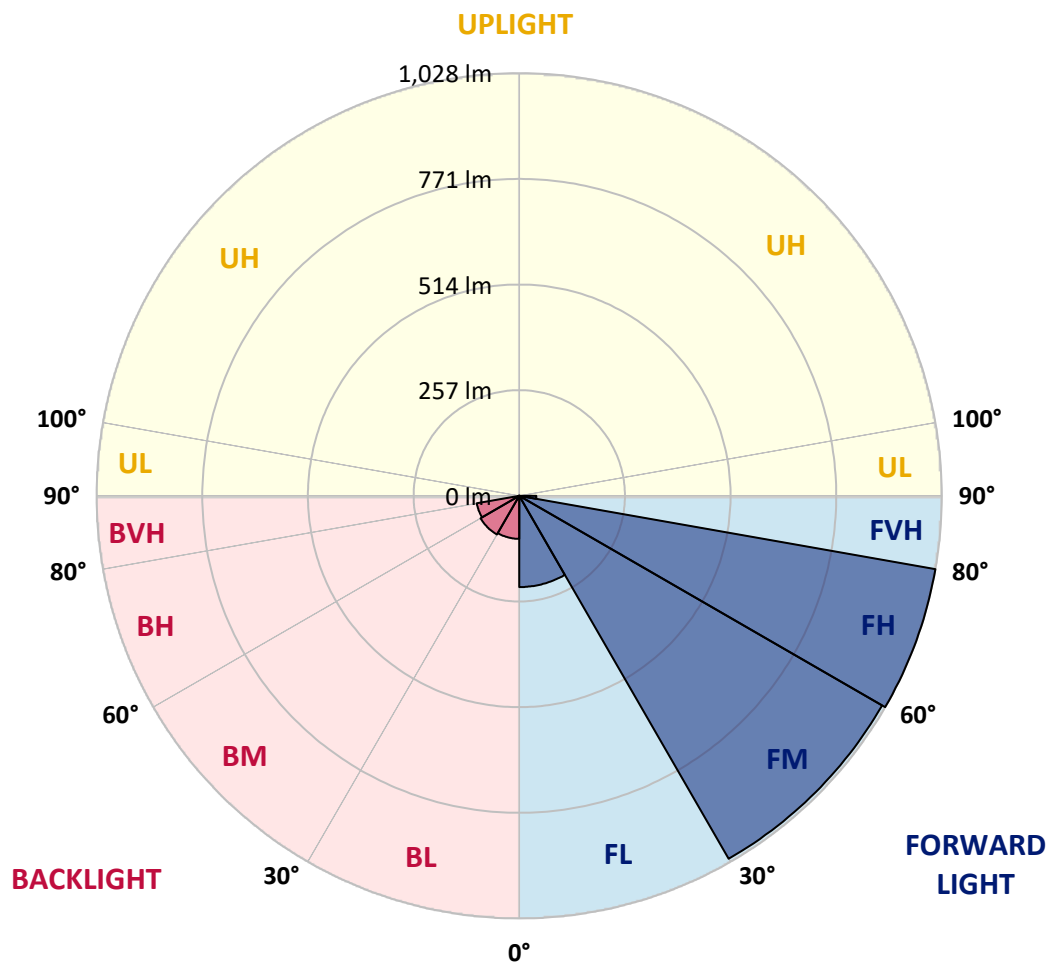
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	222.0	8.4			
FM	(30°-60°)	1019.5	38.7			
FH	(60°-80°)	1028.0	39.1			G1/1800
FVH	(80°-90°)	41.5	1.6			G1/100
BL	(0°-30°)	104.7	4.0	B0/110		
BM	(30°-60°)	108.7	4.1	B0/220		
BH	(60°-80°)	104.9	4.0	B0/110		G0/110
BVH	(80°-90°)	2.7	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5
2.5°	609.9	612.8	612.8	617.1	618.6	620.0	628.7	631.6	630.2	638.9	644.7
5°	569.3	569.3	572.2	579.5	585.3	589.6	599.7	608.4	609.9	620.0	636.0
7.5°	536.0	538.9	538.9	543.2	551.9	559.2	572.2	586.7	589.6	602.6	621.5
10°	509.9	508.5	512.8	517.2	524.4	531.7	546.1	562.1	567.9	582.4	604.1
12.5°	485.3	486.8	488.2	495.4	504.1	511.4	525.9	544.7	550.5	569.3	595.4
15°	470.8	470.8	472.3	476.6	485.3	495.4	512.8	533.1	540.4	562.1	592.5
17.5°	466.5	466.5	465.0	466.5	473.7	483.9	504.1	528.8	536.0	559.2	596.9
20°	467.9	467.9	465.0	463.6	467.9	478.1	501.2	527.3	536.0	563.5	608.4
22.5°	476.6	475.2	472.3	467.9	467.9	478.1	502.7	530.2	538.9	569.3	618.6
25°	498.3	492.5	489.6	481.0	475.2	479.5	504.1	534.6	543.2	573.7	633.1
27.5°	518.6	517.2	517.2	508.5	489.6	485.3	509.9	541.8	549.0	579.5	651.9
30°	553.4	550.5	550.5	540.4	517.2	496.9	515.7	547.6	556.3	583.8	670.7
32.5°	596.9	598.3	595.4	582.4	553.4	518.6	525.9	554.8	562.1	586.7	689.6
35°	644.7	646.1	653.3	638.9	601.2	551.9	541.8	567.9	572.2	592.5	704.1
37.5°	683.8	683.8	702.6	705.5	659.1	592.5	567.9	589.6	588.2	599.7	718.5
40°	727.2	727.2	749.0	766.3	733.0	647.6	601.2	615.7	612.8	615.7	738.8
42.5°	773.6	776.5	799.7	830.1	812.7	718.5	649.0	656.2	650.5	641.8	760.5
45°	818.5	825.7	857.6	898.2	896.7	802.6	711.3	712.7	702.6	685.2	805.5
47.5°	870.6	876.4	921.4	972.1	985.1	898.2	791.0	785.2	772.1	744.6	866.3
50°	959.0	961.9	993.8	1053.2	1077.8	1003.9	880.8	870.6	856.2	821.4	948.9
52.5°	1064.8	1063.3	1077.8	1140.1	1206.7	1127.1	998.1	983.6	960.5	915.6	1050.3
55°	1111.1	1115.5	1137.2	1212.5	1341.5	1306.7	1130.0	1109.7	1085.1	1027.1	1154.6
57.5°	1030.0	1030.0	1073.5	1192.3	1416.8	1544.3	1277.7	1245.9	1215.4	1141.5	1273.4
60°	824.3	822.8	875.0	1018.4	1360.3	1751.4	1483.4	1387.8	1341.5	1243.0	1392.2
62.5°	578.0	566.4	589.6	709.8	1114.0	1754.3	1867.3	1535.6	1473.3	1347.3	1518.2
65°	414.3	407.1	411.4	444.7	638.9	1586.3	2291.8	1760.1	1648.6	1457.4	1670.3
67.5°	339.0	330.3	328.8	369.4	368.0	1050.3	2419.3	2203.4	1960.0	1618.2	1842.7
70°	270.9	266.6	265.1	323.1	340.4	341.9	2255.6	3150.8	2719.1	1857.2	2073.0
72.5°	192.7	192.7	204.3	268.0	330.3	299.9	1411.0	3331.9	3385.5	2162.9	2219.4
75°	115.9	114.4	143.4	213.0	318.7	289.7	436.0	2749.6	2798.8	2025.2	1716.7
77.5°	55.0	55.0	79.7	143.4	282.5	272.3	249.2	1644.2	1655.8	1229.9	870.6
80°	21.7	21.7	34.8	88.4	214.4	269.5	231.8	678.0	653.3	339.0	120.2
82.5°	8.7	8.7	14.5	49.3	133.3	221.6	205.7	224.5	168.0	39.1	31.9
85°	1.4	2.9	5.8	29.0	75.3	117.3	166.6	139.1	88.4	23.2	23.2
87.5°	0.0	1.4	2.9	8.7	21.7	49.3	84.0	63.7	40.6	7.2	10.1
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°	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5	650.5
2.5°	646.1	649.0	654.8	657.7	659.1	653.3	653.3	647.6	646.1	646.1	646.1
5°	638.9	644.7	649.0	638.9	622.9	602.6	579.5	565.0	550.5	553.4	547.6
7.5°	630.2	637.4	631.6	598.3	557.7	520.1	479.5	456.3	428.8	425.9	418.7
10°	617.1	624.4	602.6	544.7	482.4	427.4	368.0	331.7	302.8	279.6	273.8
12.5°	614.2	618.6	567.9	488.2	407.1	328.8	252.1	184.0	143.4	123.1	123.1
15°	615.7	615.7	536.0	431.7	325.9	217.3	121.7	88.4	73.9	72.4	71.0
17.5°	622.9	614.2	504.1	376.7	239.0	113.0	72.4	66.6	63.7	63.7	63.7
20°	636.0	614.2	476.6	318.7	150.7	71.0	62.3	59.4	57.9	56.5	56.5
22.5°	649.0	608.4	441.8	252.1	86.9	59.4	55.0	53.6	50.7	49.3	49.3
25°	663.5	602.6	408.5	181.1	60.8	52.2	47.8	44.9	42.0	40.6	40.6
27.5°	676.5	596.9	369.4	114.4	53.6	46.4	42.0	37.7	33.3	31.9	31.9
30°	685.2	586.7	331.7	72.4	47.8	42.0	36.2	30.4	26.1	24.6	24.6
32.5°	686.7	573.7	285.4	53.6	43.5	36.2	29.0	24.6	21.7	20.3	20.3
35°	682.3	557.7	234.7	47.8	39.1	31.9	24.6	20.3	17.4	17.4	17.4
37.5°	676.5	541.8	182.5	43.5	34.8	27.5	20.3	17.4	15.9	14.5	14.5
40°	675.1	525.9	121.7	40.6	31.9	23.2	17.4	14.5	13.0	11.6	11.6
42.5°	679.4	514.3	85.5	37.7	27.5	20.3	15.9	13.0	10.1	10.1	8.7
45°	701.2	511.4	62.3	34.8	24.6	17.4	13.0	10.1	8.7	7.2	7.2
47.5°	737.4	517.2	50.7	31.9	21.7	14.5	11.6	8.7	7.2	5.8	5.8
50°	789.5	538.9	46.4	29.0	17.4	13.0	8.7	7.2	5.8	5.8	5.8
52.5°	870.6	573.7	43.5	26.1	14.5	10.1	7.2	5.8	4.3	4.3	4.3
55°	957.6	614.2	42.0	23.2	13.0	8.7	5.8	4.3	4.3	2.9	2.9
57.5°	1057.5	667.8	39.1	20.3	11.6	8.7	5.8	4.3	2.9	2.9	2.9
60°	1183.6	740.3	34.8	17.4	10.1	7.2	4.3	2.9	2.9	2.9	2.9
62.5°	1313.9	815.6	30.4	14.5	8.7	5.8	4.3	2.9	2.9	2.9	2.9
65°	1473.3	902.5	26.1	11.6	7.2	5.8	4.3	2.9	2.9	1.4	1.4
67.5°	1666.0	990.9	20.3	10.1	7.2	4.3	4.3	2.9	2.9	1.4	1.4
70°	1912.2	1103.9	17.4	8.7	5.8	4.3	4.3	2.9	2.9	1.4	1.4
72.5°	1949.9	953.2	14.5	8.7	5.8	4.3	4.3	2.9	2.9	1.4	1.4
75°	1332.8	454.9	13.0	7.2	5.8	5.8	4.3	2.9	2.9	1.4	1.4
77.5°	580.9	107.2	11.6	7.2	5.8	5.8	5.8	4.3	2.9	1.4	1.4
80°	68.1	20.3	10.1	7.2	5.8	7.2	5.8	4.3	2.9	1.4	1.4
82.5°	27.5	13.0	10.1	8.7	7.2	5.8	5.8	4.3	2.9	1.4	1.4
85°	20.3	10.1	10.1	10.1	7.2	4.3	4.3	2.9	2.9	1.4	1.4
87.5°	10.1	4.3	2.9	2.9	2.9	2.9	2.9	1.4	1.4	1.4	1.4
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)