

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: P459612

Luminaire Tested: **GAN-SA3A-AMB-U-SL3-HSS**

Issue Date: 1/6/2021

Test Information

Test Method: LM-79-08
Report Number: P459612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2003-697-7)
Test Lab: INNOVATION CENTER
Issue Date: 1/6/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA3A-AMB-U-SL3-HSS
Description: GALLEON ROADWAY AND AREA LUMINAIRE
(3) NARROW BAND AMBER, 500mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2688 lumens
Efficiency: N/A
Efficacy: 44.0 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

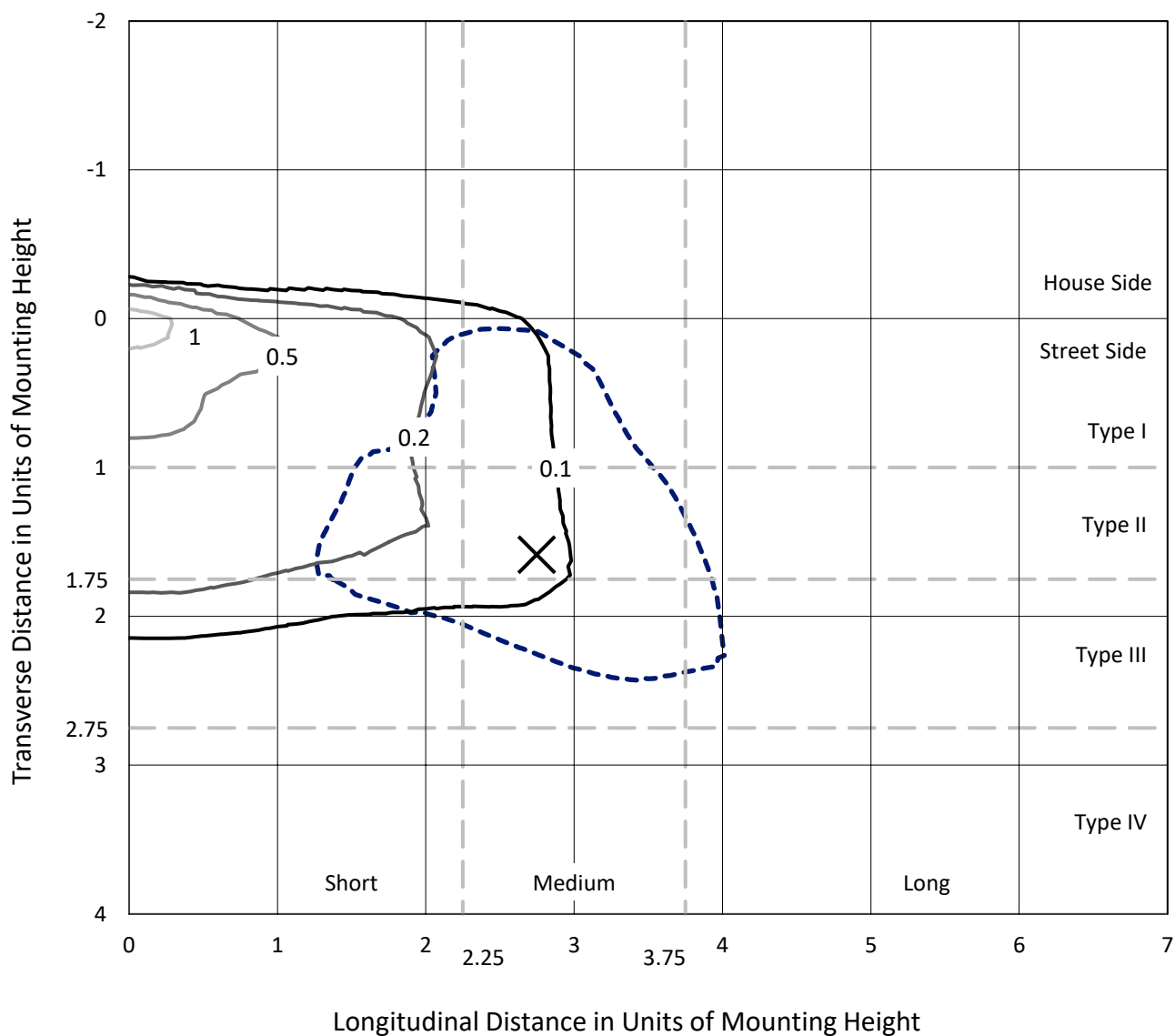
Input Watts (W): 61.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

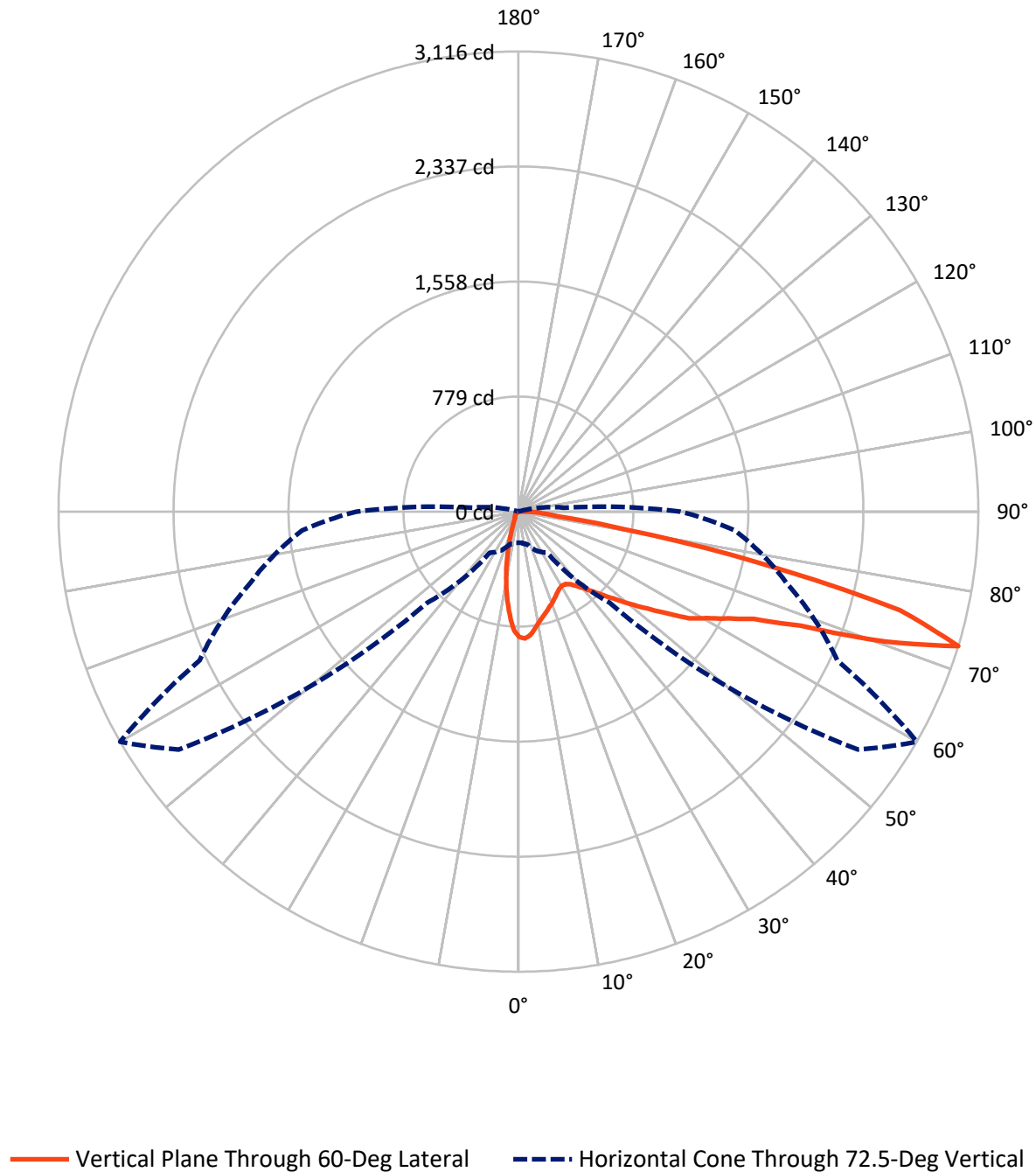
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



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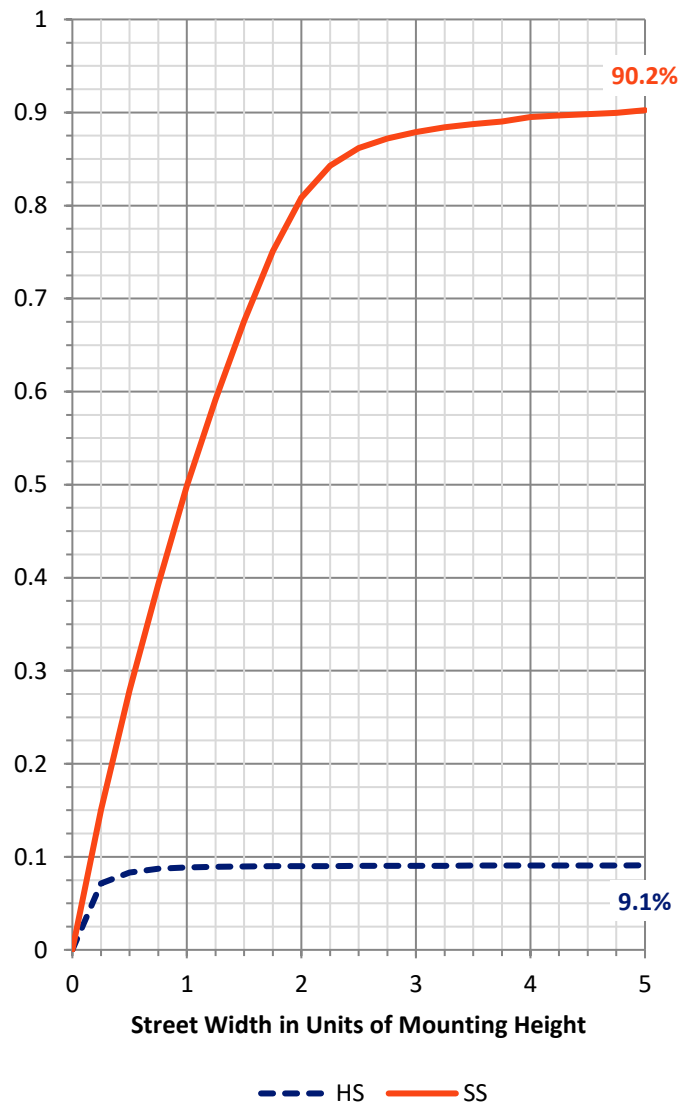
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	246.7	0.0	246.7
	% Fixture	9.2	0.0	9.2
Street Side	Lumens	2441.2	0.0	2441.2
	% Fixture	90.8	0.0	90.8
Total	Lumens	2688.0	0.0	2688.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	2.5
10°-20°	129.2	4.8
20°-30°	169.5	6.3
30°-40°	228.6	8.5
40°-50°	340.3	12.7
50°-60°	527.9	19.6
60°-70°	724.1	26.9
70°-80°	456.5	17.0
80°-90°	45.7	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°	2688.0	100.0
0°-180°	2688.0	100.0

Coefficient of Utilization



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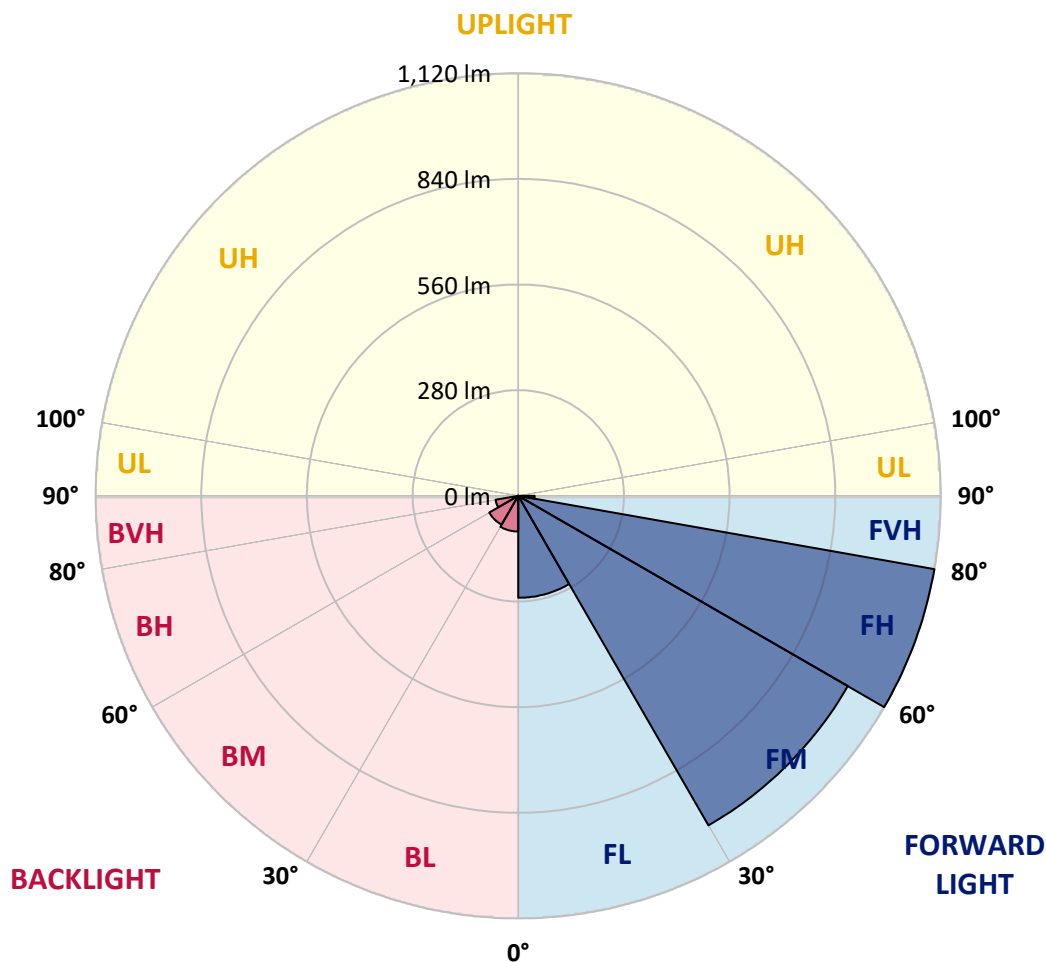
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	270.1	10.0			
FM	(30°-60°)	1008.3	37.5			
FH	(60°-80°)	1119.6	41.7			G1/1800
FVH	(80°-90°)	43.2	1.6			G1/100
BL	(0°-30°)	94.7	3.5	B0/110		
BM	(30°-60°)	88.6	3.3	B0/220		
BH	(60°-80°)	61.0	2.3	B0/110		G0/110
BVH	(80°-90°)	2.5	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



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0
2.5°	864.5	863.1	863.1	864.5	866.0	861.6	861.6	860.2	855.8	854.4	845.7
5°	809.5	813.8	813.8	819.6	825.4	828.3	839.9	839.9	838.5	838.5	825.4
7.5°	742.9	742.9	753.0	763.2	777.6	782.0	795.0	800.8	803.7	810.9	799.4
10°	683.5	687.9	689.3	703.8	716.8	732.7	754.5	761.7	768.9	783.4	771.8
12.5°	638.6	641.5	645.9	658.9	674.8	692.2	718.3	731.3	738.5	758.8	750.1
15°	592.3	595.2	603.9	615.4	637.2	658.9	687.9	705.2	718.3	741.4	734.2
17.5°	561.9	563.3	564.8	574.9	596.6	625.6	661.8	679.2	696.5	725.5	722.6
20°	547.4	548.8	547.4	553.2	566.2	590.8	634.3	657.4	676.3	718.3	713.9
22.5°	543.0	544.5	541.6	540.1	545.9	567.7	606.8	632.8	658.9	716.8	711.0
25°	545.9	545.9	541.6	537.2	537.2	548.8	582.1	609.7	641.5	719.7	708.1
27.5°	557.5	556.1	551.7	543.0	535.8	540.1	566.2	590.8	625.6	724.1	708.1
30°	572.0	570.6	569.1	561.9	548.8	540.1	559.0	582.1	616.9	734.2	709.6
32.5°	587.9	589.4	589.4	583.6	569.1	550.3	563.3	585.0	618.3	748.7	713.9
35°	616.9	614.0	618.3	615.4	599.5	574.9	585.0	603.9	632.8	764.6	724.1
37.5°	644.4	644.4	650.2	651.6	637.2	606.8	619.8	638.6	656.0	790.7	742.9
40°	676.3	674.8	683.5	692.2	680.6	654.5	667.6	683.5	699.4	829.8	774.7
42.5°	702.3	705.2	718.3	732.7	737.1	700.9	722.6	740.0	747.2	873.2	822.5
45°	727.0	731.3	755.9	779.1	793.6	764.6	789.2	808.0	815.3	928.2	880.5
47.5°	753.0	758.8	789.2	825.4	851.5	837.0	864.5	887.7	892.0	996.3	967.3
50°	780.5	786.3	821.1	870.3	913.8	922.4	957.2	984.7	980.4	1064.4	1055.7
52.5°	815.3	822.5	870.3	925.3	984.7	1010.8	1064.4	1089.0	1075.9	1152.7	1136.8
55°	906.5	909.4	942.7	999.2	1060.0	1112.1	1190.3	1212.1	1178.8	1217.9	1219.3
57.5°	1061.5	1061.5	1068.7	1086.1	1142.6	1219.3	1343.8	1362.7	1300.4	1284.5	1291.7
60°	1154.1	1168.6	1199.0	1232.3	1258.4	1335.2	1465.5	1465.5	1377.2	1354.0	1356.9
62.5°	1131.0	1142.6	1232.3	1307.6	1424.9	1523.4	1597.3	1594.4	1464.0	1419.1	1439.4
65°	828.3	848.6	964.4	1200.5	1490.1	1784.1	1817.4	1753.7	1571.2	1517.6	1600.2
67.5°	444.6	460.5	557.5	768.9	1175.9	1962.2	2269.2	2060.7	1763.8	1718.9	1763.8
70°	292.5	289.6	296.9	378.0	643.0	1626.2	2874.5	2637.0	2083.8	1879.6	1765.2
72.5°	211.4	211.4	230.2	292.5	340.3	873.2	2809.3	3116.3	2383.6	1884.0	1471.3
75°	141.9	144.8	175.2	236.0	317.1	286.7	2185.2	2670.3	2343.0	1414.8	767.5
77.5°	73.9	78.2	115.8	186.8	291.1	256.3	1223.7	1653.7	1377.2	650.2	170.9
80°	33.3	34.8	50.7	140.5	266.5	237.5	399.7	737.1	435.9	78.2	29.0
82.5°	15.9	15.9	21.7	69.5	220.1	204.2	246.2	262.1	102.8	24.6	20.3
85°	5.8	5.8	11.6	39.1	130.3	123.1	210.0	175.2	57.9	15.9	14.5
87.5°	2.9	2.9	4.3	11.6	34.8	99.9	144.8	115.8	24.6	5.8	5.8
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°	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0	850.0
2.5°	841.4	837.0	825.4	815.3	802.3	784.9	782.0	764.6	750.1	748.7	744.3
5°	818.2	805.1	776.2	734.2	695.1	663.2	628.5	606.8	595.2	582.1	590.8
7.5°	786.3	764.6	706.7	641.5	577.8	522.8	469.2	430.1	414.2	391.0	395.3
10°	753.0	722.6	638.6	540.1	457.6	376.5	307.0	249.1	218.7	208.5	208.5
12.5°	729.8	686.4	569.1	446.0	337.4	233.1	169.4	123.1	92.7	82.5	82.5
15°	706.7	653.1	505.4	356.2	223.0	134.7	81.1	69.5	68.1	68.1	68.1
17.5°	686.4	614.0	438.8	272.2	146.3	75.3	66.6	65.2	63.7	63.7	63.7
20°	666.1	579.2	382.3	195.5	81.1	63.7	60.8	60.8	60.8	60.8	59.4
22.5°	647.3	548.8	321.5	134.7	62.3	57.9	56.5	56.5	56.5	55.0	55.0
25°	632.8	521.3	266.5	85.4	55.0	53.6	52.1	50.7	49.2	49.2	49.2
27.5°	618.3	495.3	208.5	59.4	50.7	47.8	46.3	44.9	42.0	42.0	40.5
30°	608.2	469.2	166.5	50.7	46.3	43.4	40.5	37.7	34.8	33.3	33.3
32.5°	602.4	448.9	124.5	46.3	42.0	37.7	34.8	31.9	29.0	26.1	26.1
35°	598.1	428.6	85.4	42.0	37.7	33.3	30.4	26.1	21.7	20.3	20.3
37.5°	605.3	414.2	57.9	39.1	34.8	30.4	24.6	21.7	18.8	17.4	17.4
40°	621.2	402.6	46.3	36.2	31.9	26.1	21.7	17.4	14.5	13.0	13.0
42.5°	648.8	398.2	40.5	34.8	29.0	23.2	17.4	14.5	13.0	11.6	11.6
45°	699.4	396.8	37.7	31.9	26.1	18.8	14.5	11.6	10.1	8.7	8.7
47.5°	755.9	399.7	36.2	30.4	23.2	17.4	13.0	10.1	8.7	7.2	7.2
50°	825.4	411.3	33.3	27.5	21.7	14.5	10.1	8.7	5.8	5.8	5.8
52.5°	892.0	422.8	31.9	26.1	18.8	13.0	8.7	5.8	5.8	4.3	4.3
55°	957.2	448.9	29.0	26.1	17.4	10.1	7.2	5.8	4.3	2.9	2.9
57.5°	1022.4	467.7	27.5	23.2	14.5	8.7	5.8	4.3	2.9	2.9	2.9
60°	1089.0	485.1	24.6	20.3	11.6	7.2	4.3	2.9	2.9	2.9	2.9
62.5°	1173.0	514.1	21.7	17.4	10.1	5.8	4.3	2.9	1.4	1.4	1.4
65°	1330.8	563.3	18.8	14.5	7.2	5.8	4.3	2.9	1.4	1.4	1.4
67.5°	1432.2	556.1	15.9	11.6	7.2	4.3	2.9	2.9	1.4	1.4	1.4
70°	1411.9	502.5	13.0	10.1	5.8	4.3	2.9	2.9	1.4	1.4	1.4
72.5°	1097.7	305.6	11.6	8.7	5.8	4.3	2.9	2.9	1.4	1.4	1.4
75°	501.0	68.1	10.1	7.2	4.3	4.3	2.9	2.9	1.4	1.4	1.4
77.5°	88.3	17.4	8.7	5.8	5.8	4.3	4.3	2.9	1.4	1.4	1.4
80°	23.2	11.6	8.7	5.8	5.8	7.2	5.8	4.3	1.4	1.4	1.4
82.5°	15.9	8.7	8.7	7.2	7.2	8.7	7.2	4.3	1.4	1.4	1.4
85°	11.6	7.2	8.7	8.7	5.8	7.2	7.2	4.3	1.4	1.4	1.4
87.5°	5.8	2.9	2.9	2.9	2.9	4.3	4.3	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)