

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: P319734

Luminaire Tested: **GAN-SA0C-750-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319734
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0C-750-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 70013 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

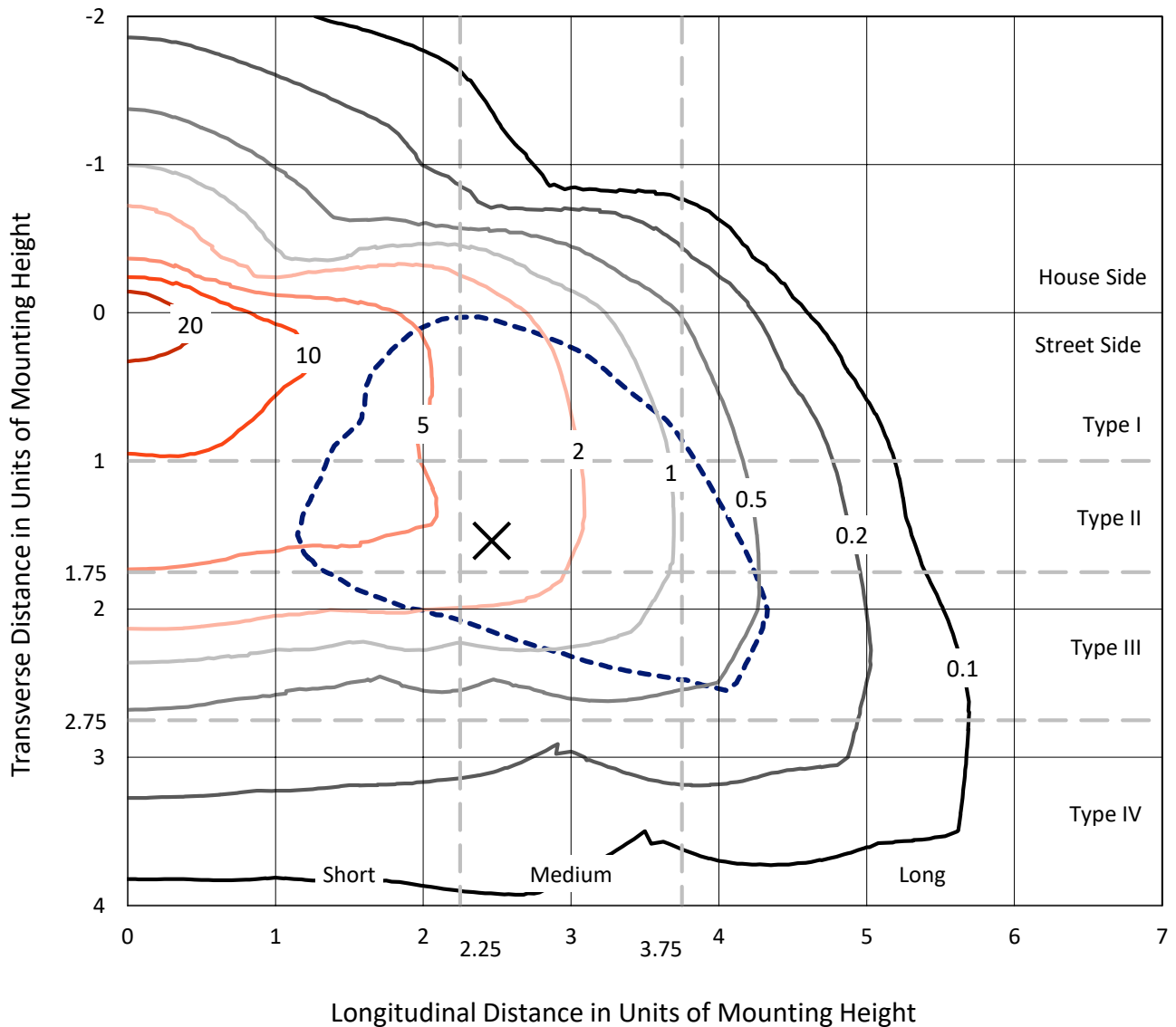
Input Watts (W): 558
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

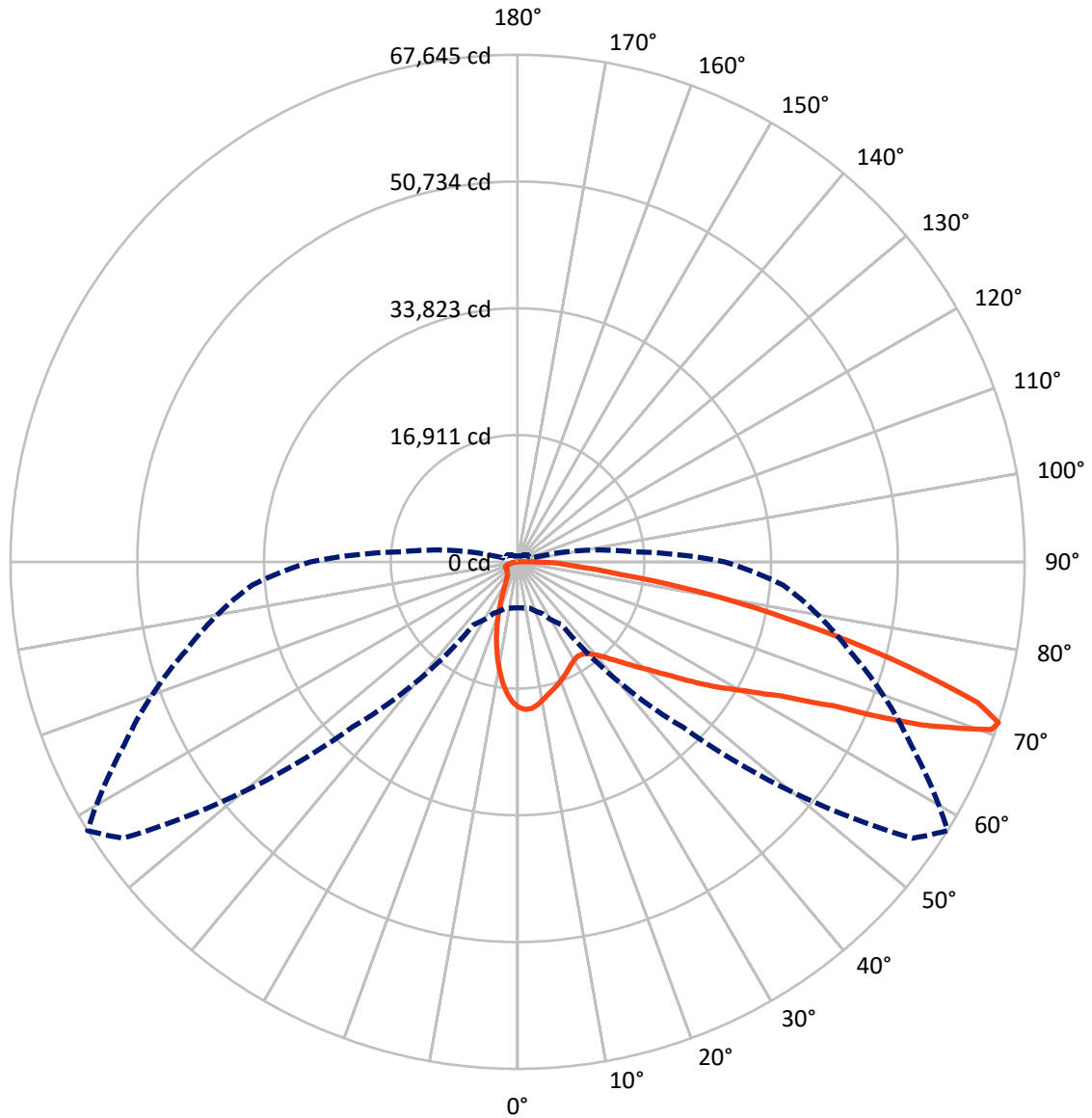
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 31 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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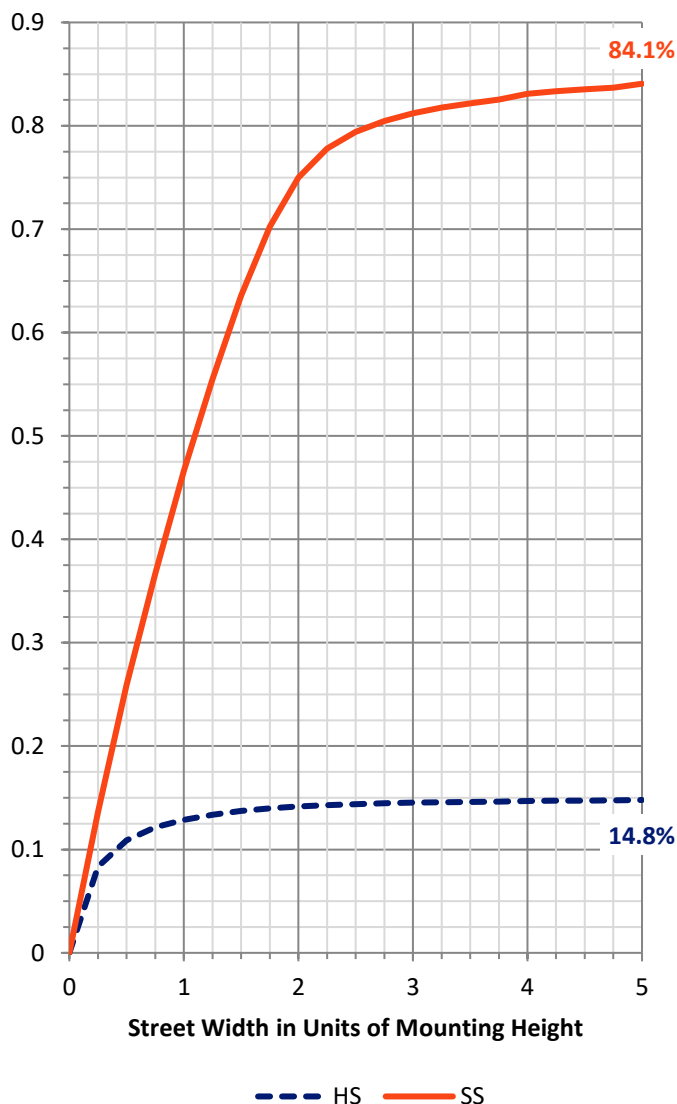
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10467.4	0.0	10467.4
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	59545.6	0.0	59545.6
	% Fixture	85.0	0.0	85.0
Total	Lumens	70013.0	0.0	70013.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1673.5	2.4
10°-20°	3721.2	5.3
20°-30°	4729.3	6.8
30°-40°	6024.1	8.6
40°-50°	8542.5	12.2
50°-60°	13219.9	18.9
60°-70°	17997.2	25.7
70°-80°	12006.2	17.1
80°-90°	2099.1	3.0
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°	70013.0	100.0
0°-180°	70013.0	100.0

Coefficient of Utilization



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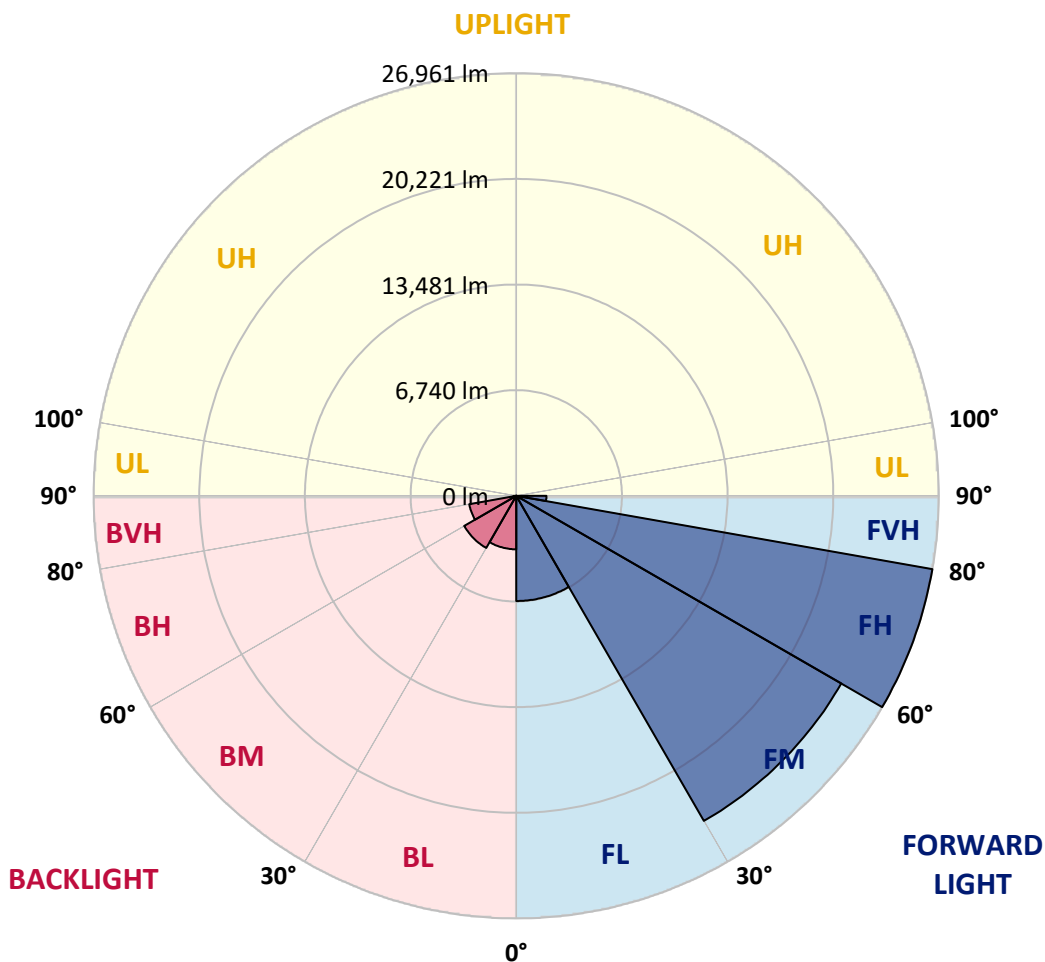
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6711.9	9.6			
FM (30°-60°)	23947.8	34.2			
FH (60°-80°)	26961.1	38.5			G5
FVH (80°-90°)	1924.7	2.7			G5
BL (0°-30°)	3412.1	4.9	B4/5000		
BM (30°-60°)	3838.7	5.5	B3/5000		
BH (60°-80°)	3042.3	4.3	B4/5000		G4/5000
BVH (80°-90°)	174.4	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	19398.3	19398.3	19398.3	19398.3	19398.3	19398.3	19398.3	19398.3	19398.3	19398.3	19398.3
2.5°	19912.9	19886.0	19895.8	19876.3	19830.0	19783.6	19715.3	19727.5	19632.4	19491.0	19315.4
5°	19537.3	19527.5	19600.7	19642.2	19676.3	19649.5	19630.0	19654.4	19515.3	19320.2	19015.4
7.5°	18749.6	18642.3	18734.9	18873.9	19005.6	19105.6	19237.3	19254.4	19166.6	18961.7	18561.8
10°	17630.1	17527.7	17664.3	17881.3	18144.7	18383.7	18649.6	18698.3	18715.4	18530.1	18044.7
12.5°	16469.3	16391.2	16527.8	16832.7	17269.2	17637.5	18061.8	18135.0	18286.2	18161.8	17566.7
15°	15430.3	15401.1	15566.9	15866.9	16369.3	16932.6	17544.8	17678.9	17935.0	17893.5	17193.6
17.5°	14532.9	14525.5	14652.4	14967.0	15523.0	16235.1	17030.2	17257.0	17637.5	17686.2	16886.3
20°	13864.6	13850.0	13937.8	14169.5	14742.6	15549.8	16474.2	16786.3	17335.0	17505.8	16569.3
22.5°	13506.1	13503.7	13506.1	13615.9	14084.1	14835.3	15932.7	16313.2	17040.0	17361.9	16218.1
25°	13445.2	13437.8	13384.2	13372.0	13637.8	14237.8	15396.2	15815.7	16759.5	17261.9	15884.0
27.5°	13603.7	13613.4	13542.7	13428.1	13481.7	13845.1	14930.4	15379.1	16535.1	17242.4	15652.3
30°	13932.9	13928.0	13867.1	13747.6	13642.7	13698.8	14598.7	15047.4	16383.9	17327.7	15493.7
32.5°	14296.3	14323.1	14310.9	14245.1	14089.0	13864.6	14498.7	14937.7	16340.0	17532.6	15425.5
35°	14732.8	14762.1	14849.9	14901.1	14718.2	14357.3	14713.3	15093.8	16466.8	17917.9	15535.2
37.5°	15147.4	15223.0	15469.4	15686.4	15530.3	15127.9	15284.0	15554.7	16859.5	18525.2	15830.3
40°	15625.4	15691.3	16093.7	16554.6	16530.2	16113.2	16203.4	16383.9	17552.1	19395.8	16364.4
42.5°	16096.1	16227.8	16810.7	17464.3	17652.1	17283.8	17427.7	17522.8	18527.6	20549.4	17296.0
45°	16722.9	16864.4	17674.0	18461.8	18900.8	18693.5	18922.7	18959.3	19754.3	22120.0	18649.6
47.5°	17671.6	17832.6	18776.4	19603.1	20273.8	20295.8	20673.8	20659.1	21285.9	23917.4	20354.3
50°	19149.5	19381.2	20154.3	20927.4	21742.0	22195.6	22700.4	22629.7	23122.3	25831.9	22317.5
52.5°	21085.9	21193.2	21766.4	22337.0	23349.2	24366.1	25090.5	25027.1	25205.1	27800.0	24546.6
55°	23093.1	23173.6	23410.1	23722.3	25083.1	26741.5	28273.1	28173.1	27721.9	29843.7	26748.8
57.5°	24897.8	25061.2	25224.6	25353.9	26829.3	29224.2	31528.9	31536.2	30453.4	32048.4	29024.3
60°	25178.3	25322.1	26402.5	27422.0	29816.9	32536.1	35014.0	34940.8	33280.0	34440.9	31560.6
62.5°	22256.6	22580.9	24385.6	27097.6	32694.7	38594.1	39459.9	39369.7	36660.2	37389.4	34514.0
65°	15949.8	16318.1	18495.9	22571.2	31299.7	45269.2	47483.6	46269.1	41269.5	41015.9	37972.2
67.5°	9201.6	9289.4	10233.2	13506.1	23832.0	45617.9	59724.0	58024.1	48427.4	45130.1	39664.8
70°	6804.3	6801.8	7026.2	8311.5	12896.4	37230.8	65545.4	67069.7	55963.3	46483.7	37272.3
71°	6153.1	6160.4	6411.6	7565.2	10213.7	31163.1	64308.9	67645.2	57948.5	45815.5	35540.8
72.5°	5262.9	5287.3	5636.1	6784.8	8591.9	21490.8	58982.6	64191.9	58889.9	44166.8	32831.2
75°	3992.3	4048.4	4531.3	5719.0	7853.0	10899.0	43288.8	51258.9	52314.9	38972.2	24395.4
77.5°	2848.5	2911.9	3458.2	4809.3	7465.2	8213.9	28990.1	37389.4	38499.0	24975.8	11003.9
80°	1799.8	1875.4	2287.6	3826.5	7014.0	7799.3	18217.9	25131.9	20993.3	7992.0	2799.8
82.5°	1056.0	1114.5	1419.4	2499.8	5728.8	7511.5	10718.6	13930.5	8170.0	2414.4	1273.1
85°	612.1	639.0	885.3	1592.5	4160.6	7089.6	7874.9	7787.1	3546.0	1180.4	602.4
87.5°	285.3	317.0	524.3	831.6	2309.6	5138.6	6223.8	5377.6	2204.7	553.6	282.9
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°	19398.3	19398.3	19398.3	19398.3	19398.3	19398.3	19398.3	19398.3	19398.3	19398.3	19398.3
2.5°	19230.0	19188.5	19015.4	18861.7	18700.8	18491.0	18259.4	18230.1	18088.6	18115.5	18066.7
5°	18849.5	18744.7	18327.6	17949.6	17503.3	17103.4	16669.3	16469.3	16181.5	16162.0	16088.8
7.5°	18305.7	18110.6	17464.3	16747.3	16030.3	15347.4	14671.9	14228.0	13774.4	13581.7	13564.7
10°	17693.6	17361.9	16410.7	15349.9	14315.8	13318.3	12352.6	11638.0	10994.1	10689.3	10677.1
12.5°	17113.1	16622.9	15318.2	13874.4	12459.9	11167.3	9843.0	8904.1	8096.8	7826.1	7711.5
15°	16620.5	15930.3	14254.8	12408.7	10691.7	8896.8	7389.6	6401.9	5655.6	5397.1	5348.3
17.5°	16142.5	15254.7	13164.7	10928.3	8852.9	6879.9	5370.3	4636.2	4238.6	4133.8	4131.3
20°	15666.9	14559.7	12025.8	9413.8	7075.0	5145.9	4128.9	3799.7	3665.5	3653.3	3633.8
22.5°	15127.9	13823.2	10828.3	7894.4	5521.5	4046.0	3509.4	3377.7	3360.7	3404.6	3404.6
25°	14623.1	13091.5	9613.8	6406.7	4294.7	3375.3	3133.9	3107.0	3153.4	3231.4	3238.7
27.5°	14152.4	12386.7	8428.5	5084.9	3441.2	2972.9	2872.9	2904.6	2987.5	3077.8	3080.2
30°	13764.6	11720.9	7277.4	4007.0	2907.1	2672.9	2655.9	2719.3	2809.5	2880.2	2897.3
32.5°	13464.7	11152.7	6165.3	3221.7	2558.3	2448.6	2463.2	2516.9	2572.9	2612.0	2638.8
35°	13325.6	10664.9	5138.6	2716.8	2336.4	2275.4	2294.9	2324.2	2348.6	2377.8	2399.8
37.5°	13350.0	10286.9	4221.6	2402.2	2187.6	2155.9	2155.9	2155.9	2155.9	2170.5	2173.0
40°	13576.8	10069.8	3475.3	2202.2	2087.6	2053.5	2026.6	2002.3	1982.8	1992.5	1987.6
42.5°	14157.3	10050.3	2929.0	2075.4	2007.1	1951.0	1897.4	1863.2	1838.9	1848.6	1853.5
45°	15142.6	10294.2	2560.7	1985.2	1931.5	1846.2	1777.9	1741.3	1724.2	1755.9	1760.8
47.5°	16418.1	10825.9	2336.4	1919.3	1860.8	1748.6	1675.5	1641.3	1646.2	1692.5	1704.7
50°	18061.8	11689.2	2229.1	1877.9	1812.0	1665.7	1590.1	1560.8	1575.5	1641.3	1656.0
52.5°	19866.5	12933.0	2241.3	1865.7	1780.3	1604.7	1524.3	1490.1	1514.5	1575.5	1587.7
55°	21949.3	14428.0	2443.7	1882.8	1734.0	1565.7	1470.6	1412.1	1431.6	1487.7	1497.4
57.5°	24263.7	16140.0	2851.0	1877.9	1675.5	1529.1	1414.5	1326.7	1341.3	1375.5	1385.2
60°	26673.2	18208.1	3482.6	1892.5	1648.6	1485.2	1338.9	1229.2	1224.3	1253.5	1258.4
62.5°	29565.7	20600.6	4204.5	1902.3	1665.7	1429.1	1238.9	1131.6	1117.0	1124.3	1129.2
65°	32545.9	22332.2	3933.8	1863.2	1719.4	1382.8	1151.1	1036.5	1009.7	1004.8	1007.2
67.5°	32638.6	20476.2	2758.3	1785.2	1741.3	1358.4	1085.3	956.0	912.1	895.0	892.6
70°	29270.6	16635.1	2148.6	1702.3	1653.5	1319.4	1024.3	890.2	824.3	797.5	795.1
71°	27626.8	15313.3	2036.4	1660.8	1587.7	1280.4	997.5	860.9	792.6	763.3	758.5
72.5°	25049.0	13728.1	1899.8	1595.0	1460.8	1180.4	946.3	819.4	748.7	714.6	707.3
75°	17976.5	8977.3	1631.6	1421.8	1209.6	941.4	829.2	736.5	675.5	634.1	629.2
77.5°	6926.2	3572.9	1234.0	1182.8	926.7	736.5	682.9	636.5	592.6	551.2	548.7
80°	2141.3	1597.4	899.9	890.2	670.7	548.7	531.7	519.5	502.4	458.5	448.7
82.5°	1143.8	917.0	619.5	575.6	439.0	365.8	385.3	390.2	392.6	346.3	341.4
85°	546.3	485.3	348.7	326.8	256.1	204.9	236.6	256.1	258.5	212.2	197.5
87.5°	261.0	253.6	163.4	124.4	95.1	68.3	82.9	102.4	112.2	80.5	70.7
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)