

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: P319374

Luminaire Tested: **GAN-SA0C-740-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319374
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0C-740-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 68584 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

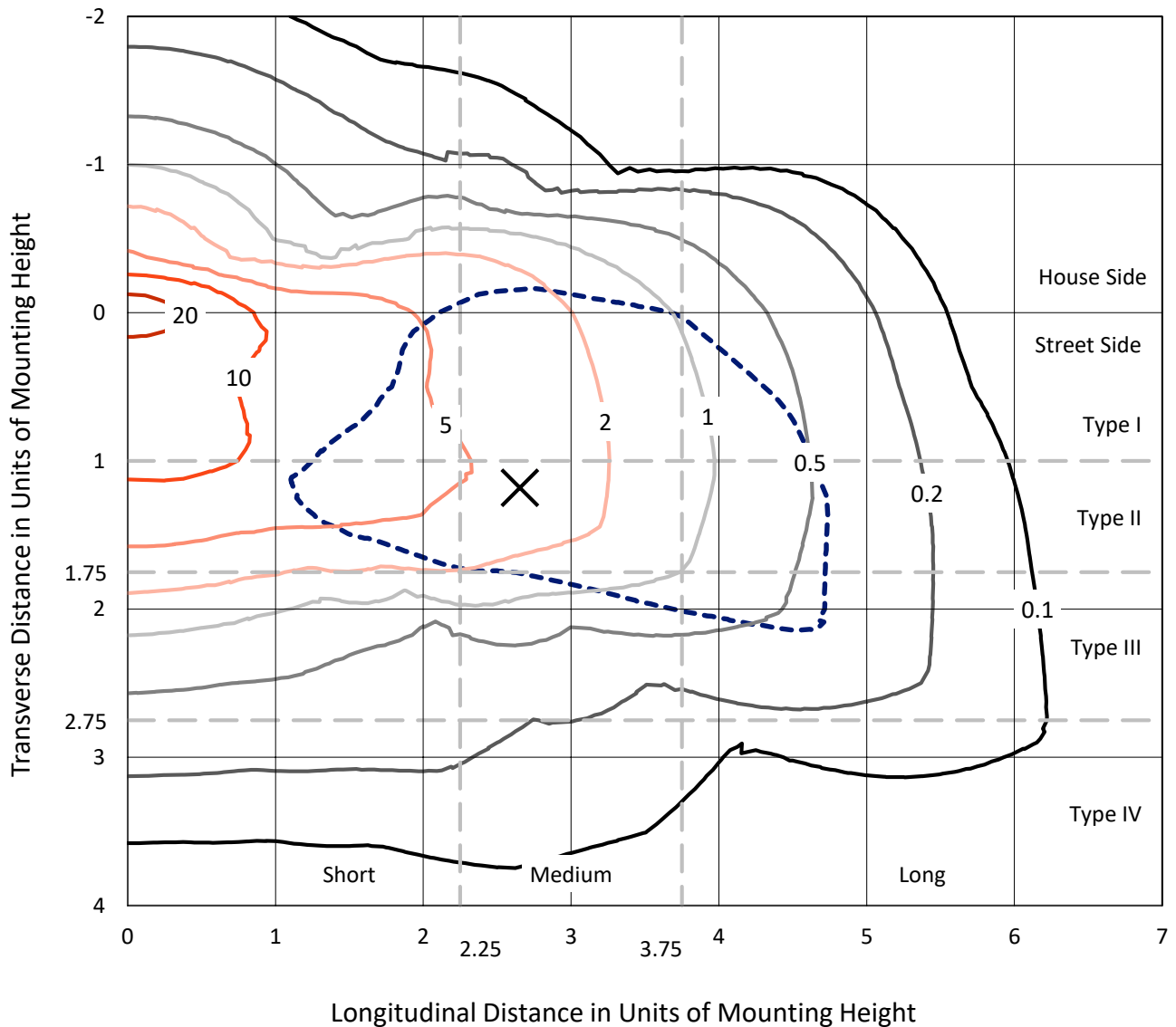
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

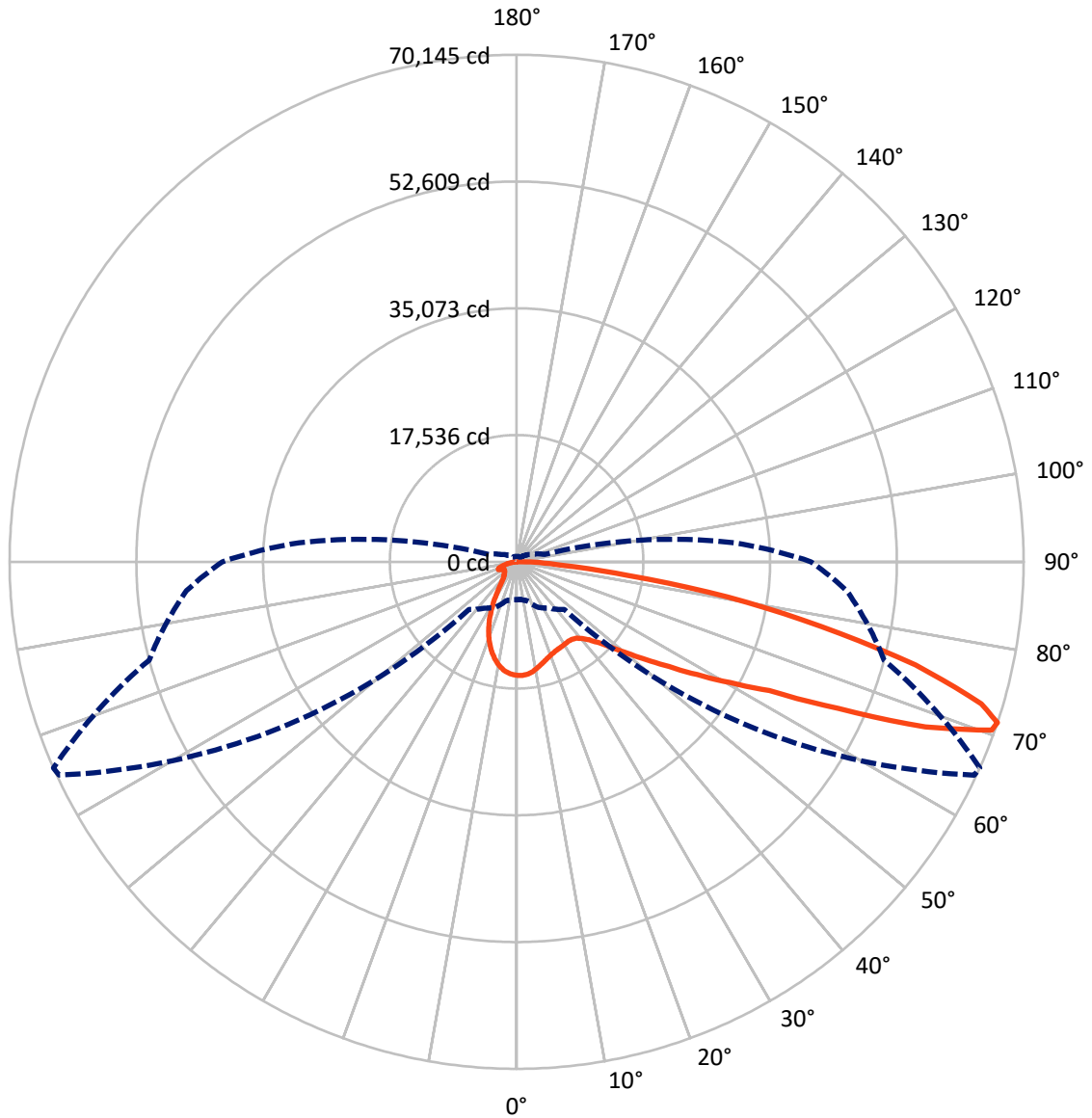
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 25.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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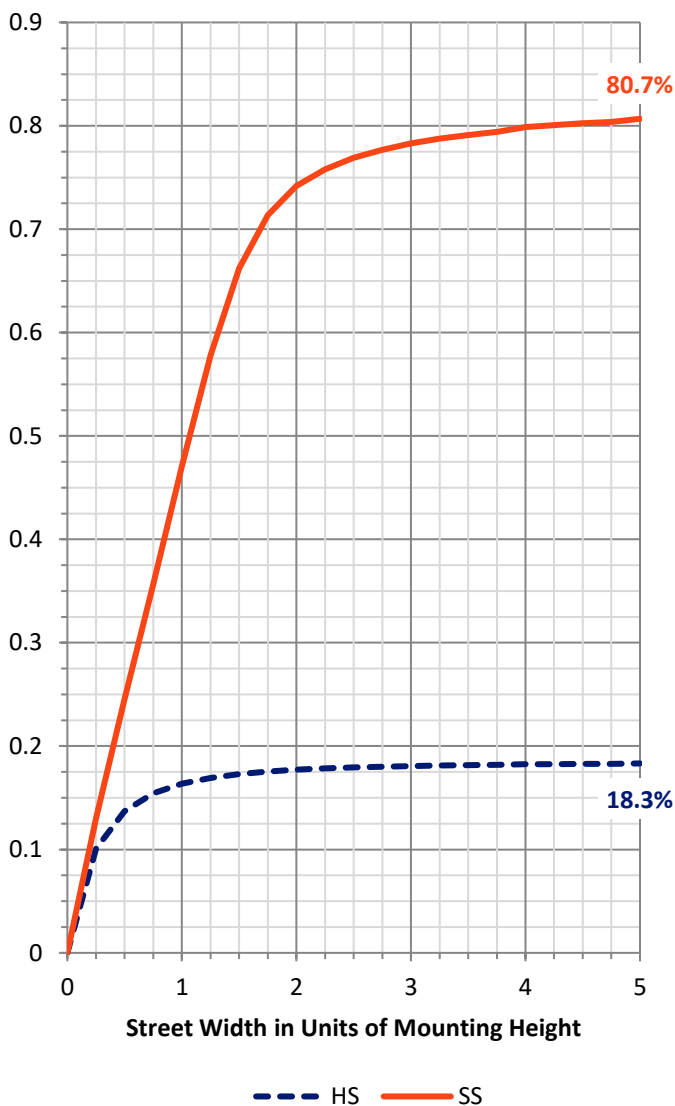
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12710.5	0.0	12710.5
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	55873.5	0.0	55873.5
	% Fixture	81.5	0.0	81.5
Total	Lumens	68584.0	0.0	68584.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1383.0	2.0
10°-20°	3317.0	4.8
20°-30°	4455.5	6.5
30°-40°	5861.1	8.5
40°-50°	8526.4	12.4
50°-60°	13319.2	19.4
60°-70°	16684.4	24.3
70°-80°	12726.5	18.6
80°-90°	2311.0	3.4
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°	68584.0	100.0
0°-180°	68584.0	100.0

Coefficient of Utilization



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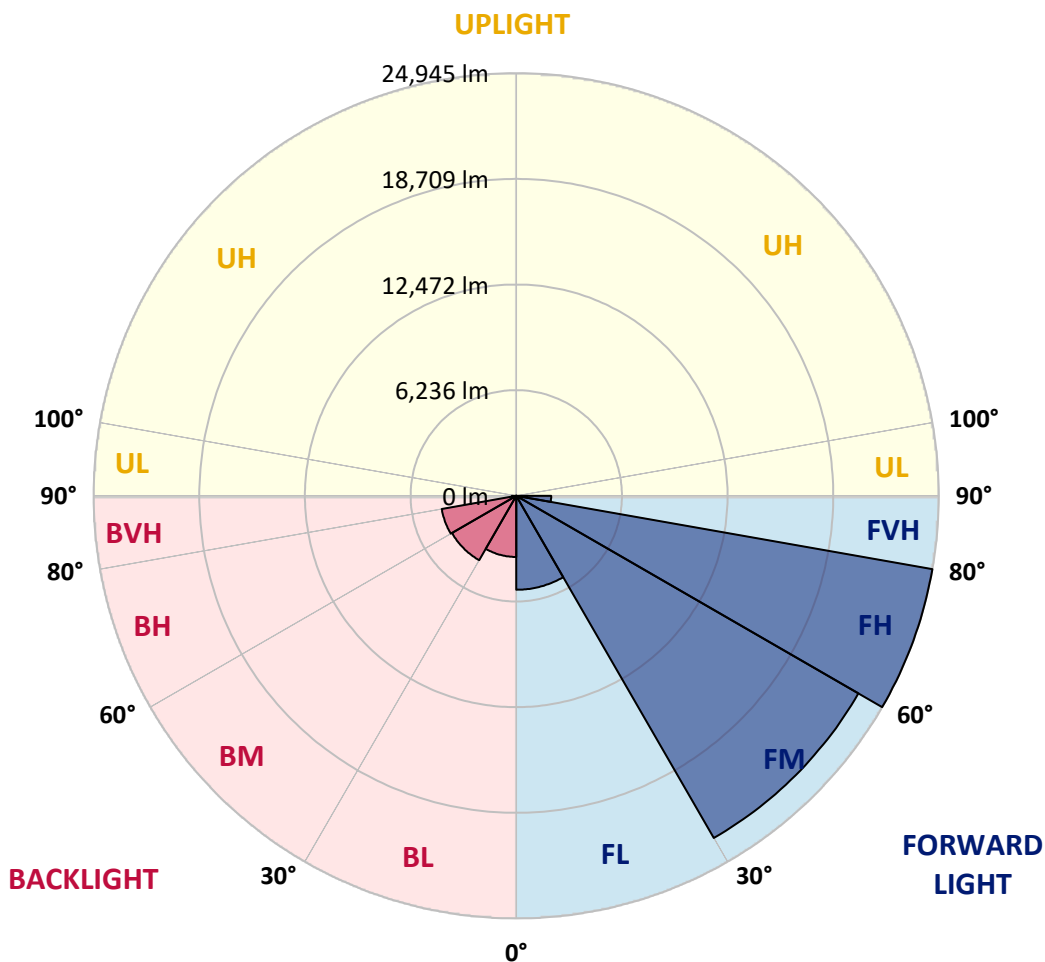
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5546.0	8.1			
FM (30°-60°)	23322.0	34.0			
FH (60°-80°)	24944.7	36.4			G5
FVH (80°-90°)	2060.8	3.0			G5
BL (0°-30°)	3609.4	5.3	B4/5000		
BM (30°-60°)	4384.7	6.4	B3/5000		
BH (60°-80°)	4466.2	6.5	B4/5000		G4/5000
BVH (80°-90°)	250.2	0.4			G3/500
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°	65°	66°	75°	85°
0°	15711.3	15711.3	15711.3	15711.3	15711.3	15711.3	15711.3	15711.3	15711.3	15711.3	15711.3
2.5°	15420.0	15396.3	15467.4	15540.8	15569.2	15616.5	15687.6	15727.8	15725.5	15732.6	15708.9
5°	14397.1	14366.3	14508.4	14624.4	14847.0	15098.0	15403.4	15621.3	15626.0	15749.2	15782.3
7.5°	13428.6	13407.3	13570.7	13757.7	14015.8	14399.4	14894.3	15363.2	15391.6	15725.5	15841.5
10°	12651.9	12647.2	12805.8	13009.4	13310.2	13738.8	14307.1	14993.8	15036.4	15611.8	15851.0
12.5°	12045.7	12055.2	12192.5	12424.6	12741.9	13189.4	13805.1	14579.4	14648.1	15431.8	15796.5
15°	11598.2	11636.0	11747.3	11981.8	12294.3	12749.0	13381.2	14195.8	14300.0	15230.6	15765.7
17.5°	11342.4	11385.0	11463.2	11657.4	11951.0	12389.1	12988.1	13880.9	13975.6	15076.7	15768.1
20°	11266.6	11302.2	11347.2	11465.6	11714.2	12112.0	12677.9	13596.7	13698.5	14953.5	15791.8
22.5°	11415.8	11441.9	11446.6	11437.1	11588.7	11913.1	12453.0	13388.3	13497.2	14873.0	15808.4
25°	11735.5	11771.0	11745.0	11657.4	11607.6	11806.5	12337.0	13251.0	13359.9	14813.8	15775.2
27.5°	12216.2	12220.9	12199.6	12086.0	11851.5	11818.4	12301.4	13170.5	13274.7	14745.1	15706.5
30°	12869.7	12900.5	12862.6	12708.7	12325.1	12007.8	12344.1	13092.3	13187.0	14657.5	15595.2
32.5°	13634.6	13710.4	13708.0	13547.0	12997.6	12431.7	12519.3	13045.0	13118.4	14565.2	15460.3
35°	14427.8	14532.0	14726.2	14657.5	13977.9	13101.8	12855.5	13120.7	13170.5	14553.3	15365.5
37.5°	15251.9	15356.1	15756.3	15941.0	15145.3	14060.8	13386.0	13388.3	13412.0	14697.8	15358.4
40°	16113.8	16225.1	16826.6	17307.3	16658.4	15275.6	14240.8	13947.2	13921.1	15053.0	15498.2
42.5°	17321.5	17420.9	18143.1	18756.4	18337.3	16831.3	15422.4	14809.1	14754.6	15749.2	15945.7
45°	18848.8	18934.0	19701.2	20357.2	20141.7	18607.3	16907.1	15995.4	15985.9	16909.4	16852.6
47.5°	20665.0	20731.3	21420.4	22055.0	22133.1	20650.8	18773.0	17825.8	17671.9	18500.7	18256.8
50°	22557.0	22630.4	23099.2	23781.2	24361.3	23385.8	21174.1	20068.3	19862.3	20601.1	20245.9
52.5°	23809.6	23906.7	24314.0	25178.3	26866.6	26383.6	24013.3	22786.7	22474.1	23146.6	22874.3
55°	23250.8	23468.6	24091.4	25476.6	28869.9	30963.2	27515.4	25957.3	25604.5	26163.3	26002.3
57.5°	20710.0	21008.3	21858.4	23996.7	29151.7	34998.1	32810.1	29691.6	29442.9	29281.9	29355.3
60°	16066.5	16353.0	17406.7	20193.8	27188.7	37943.8	40778.3	34294.8	33934.9	32412.3	32478.6
62.5°	11370.8	11226.4	11948.6	13987.4	22092.9	38289.6	49845.1	40451.5	39267.5	35718.0	35426.7
65°	8671.4	8638.2	8962.6	9611.5	13381.2	34152.8	55246.4	50799.4	48950.0	39606.1	38919.4
67.5°	7125.1	7065.9	7385.6	8330.4	8616.9	22033.7	55364.8	62804.8	60988.6	44446.2	42959.1
70°	5858.3	5792.0	6090.3	7309.8	7963.4	11174.3	46596.3	69835.2	69738.1	50574.4	46009.0
71°	5252.1	5204.7	5562.3	6916.7	7823.7	9313.1	40231.3	69854.2	70145.4	52648.7	45829.1
72.5°	4276.5	4293.1	4671.9	6156.6	7719.5	8223.8	29568.4	66598.2	67213.9	54626.0	44192.8
75°	2841.5	2855.7	3353.0	4735.9	7485.1	8046.3	16251.2	55883.3	57015.2	53442.0	40326.0
77.5°	1908.6	1903.8	2242.4	3248.8	6521.3	8046.3	9528.6	41796.5	43039.6	42523.4	31088.7
80°	1314.2	1304.7	1543.9	2242.4	4937.2	8143.3	7366.7	29291.4	29667.9	22964.3	12635.3
82.5°	805.1	812.2	1008.7	1584.2	3360.1	7328.8	6954.6	15971.7	15562.1	6440.8	3156.5
85°	461.7	459.4	644.1	1072.7	2157.2	6185.1	6781.8	6874.1	6305.8	1939.3	1141.3
87.5°	165.8	177.6	345.7	594.4	1236.1	4307.3	5754.1	3575.6	3222.8	876.1	516.2
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°	15711.3	15711.3	15711.3	15711.3	15711.3	15711.3	15711.3	15711.3	15711.3	15711.3	15711.3
2.5°	15692.3	15706.5	15690.0	15595.2	15514.7	15384.5	15311.1	15209.3	15178.5	15164.3	15202.2
5°	15751.5	15756.3	15616.5	15367.9	15088.5	14759.4	14522.6	14231.3	14094.0	14034.8	14072.7
7.5°	15806.0	15784.7	15479.2	15003.3	14487.0	13914.0	13404.9	12938.4	12666.1	12554.8	12564.3
10°	15813.1	15723.1	15232.9	14496.5	13696.2	12855.5	12074.1	11354.3	10899.6	10603.6	10693.6
12.5°	15739.7	15588.1	14870.6	13840.6	12730.0	11584.0	10527.9	9448.1	8799.3	8498.5	8508.0
15°	15682.9	15408.2	14425.5	13068.6	11576.8	10059.0	8616.9	7347.7	6656.3	6348.4	6204.0
17.5°	15635.5	15214.0	13909.3	12199.6	10215.3	8290.1	6556.8	5424.9	5046.1	4956.1	4918.2
20°	15569.2	15008.0	13333.9	11193.2	8664.3	6310.6	4788.0	4229.1	4231.5	4335.7	4349.9
22.5°	15476.8	14773.6	12720.6	10063.7	6999.6	4596.2	3753.2	3592.2	3755.5	3954.5	3990.0
25°	15339.5	14496.5	12038.6	8815.8	5337.3	3533.0	3206.2	3199.1	3398.0	3606.4	3637.2
27.5°	15145.3	14134.2	11280.9	7475.6	3933.1	3002.5	2872.3	2922.0	3068.8	3220.4	3232.2
30°	14884.9	13712.7	10445.0	6061.9	3083.1	2673.4	2659.2	2704.2	2794.2	2900.7	2910.2
32.5°	14598.3	13284.1	9552.3	4693.3	2640.3	2495.8	2510.0	2531.3	2573.9	2616.6	2626.0
35°	14337.9	12846.1	8638.2	3566.1	2429.5	2379.8	2370.3	2365.6	2370.3	2356.1	2358.5
37.5°	14169.7	12483.8	7686.3	2839.2	2308.7	2278.0	2249.5	2214.0	2173.8	2150.1	2154.8
40°	14108.2	12213.8	6722.6	2453.2	2209.3	2188.0	2133.5	2057.7	2010.4	1996.2	1996.2
42.5°	14273.9	12074.1	5792.0	2259.0	2126.4	2090.9	2000.9	1913.3	1877.8	1875.4	1873.0
45°	14780.7	12130.9	4906.4	2152.5	2050.6	1982.0	1863.6	1790.2	1766.5	1771.2	1768.8
47.5°	15690.0	12488.5	4148.6	2081.4	1974.9	1884.9	1752.3	1693.1	1664.7	1664.7	1667.0
50°	17236.2	13324.4	3544.8	2022.2	1910.9	1794.9	1671.8	1598.4	1560.5	1558.1	1558.1
52.5°	19488.1	14820.9	3168.3	1972.5	1839.9	1714.4	1591.3	1498.9	1453.9	1444.4	1439.7
55°	22310.7	16966.3	3064.1	1939.3	1745.2	1626.8	1494.2	1401.8	1352.1	1330.8	1328.4
57.5°	25467.2	19575.7	3270.1	1899.1	1648.1	1522.6	1387.6	1300.0	1247.9	1221.9	1219.5
60°	28661.5	22424.4	4110.7	1842.3	1567.6	1408.9	1278.7	1198.2	1146.1	1117.7	1112.9
62.5°	31860.6	25426.9	5827.5	1837.5	1510.7	1300.0	1167.4	1098.7	1049.0	1018.2	1011.1
65°	35469.3	28713.6	7778.7	1963.0	1491.8	1200.5	1053.7	999.3	956.6	928.2	925.9
67.5°	39613.2	32424.2	7591.6	2221.1	1555.7	1110.6	947.2	904.6	873.8	850.1	847.7
70°	41557.3	31844.0	4719.3	2403.5	1645.7	1022.9	845.4	814.6	790.9	774.3	767.2
71°	40742.7	30236.2	3956.8	2382.1	1636.2	985.1	805.1	781.4	757.7	743.5	736.4
72.5°	38521.6	27574.6	3300.9	2216.4	1529.7	916.4	753.0	729.3	708.0	691.4	686.7
75°	34567.2	24626.6	2642.6	1771.2	1219.5	774.3	660.7	634.6	618.0	608.6	599.1
77.5°	25410.3	17574.8	2043.5	1399.5	897.4	632.2	563.6	544.6	528.1	513.8	506.7
80°	9734.6	6807.8	1375.8	1044.3	658.3	499.6	454.6	445.2	428.6	419.1	419.1
82.5°	2621.3	2034.1	734.1	632.2	440.4	364.7	348.1	343.4	329.1	310.2	312.6
85°	1060.8	897.4	412.0	348.1	269.9	215.5	234.4	236.8	220.2	196.5	198.9
87.5°	466.5	381.2	229.7	153.9	118.4	82.9	106.6	106.6	97.1	80.5	73.4
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)