

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: P529352

Luminaire Tested: **GLAN-SA4C-730-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529352
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4C-730-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21428 lumens
Efficiency: N/A
Efficacy: 100.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 213
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

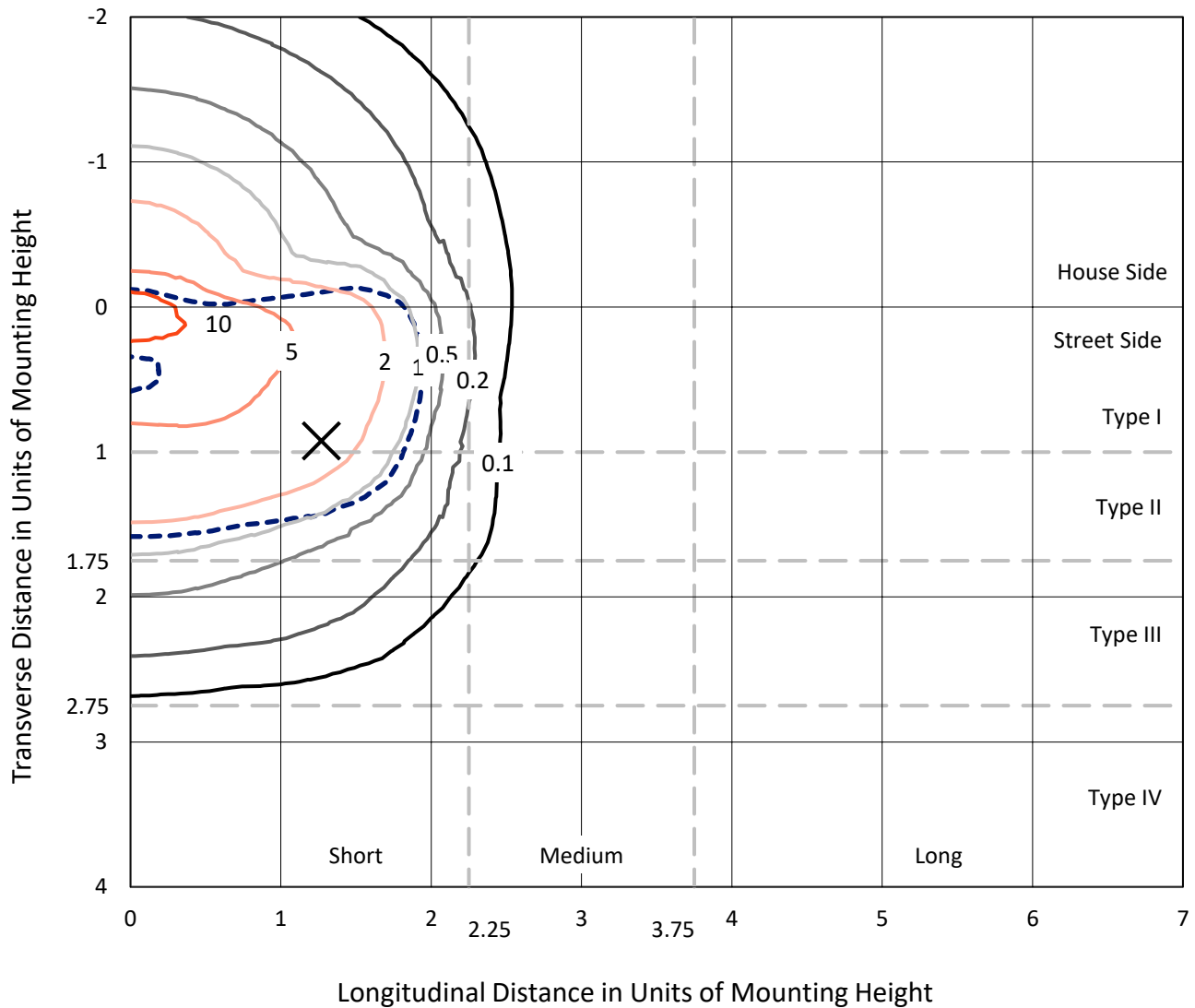


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Iso-Footcandle Lines of Horizontal Illumination

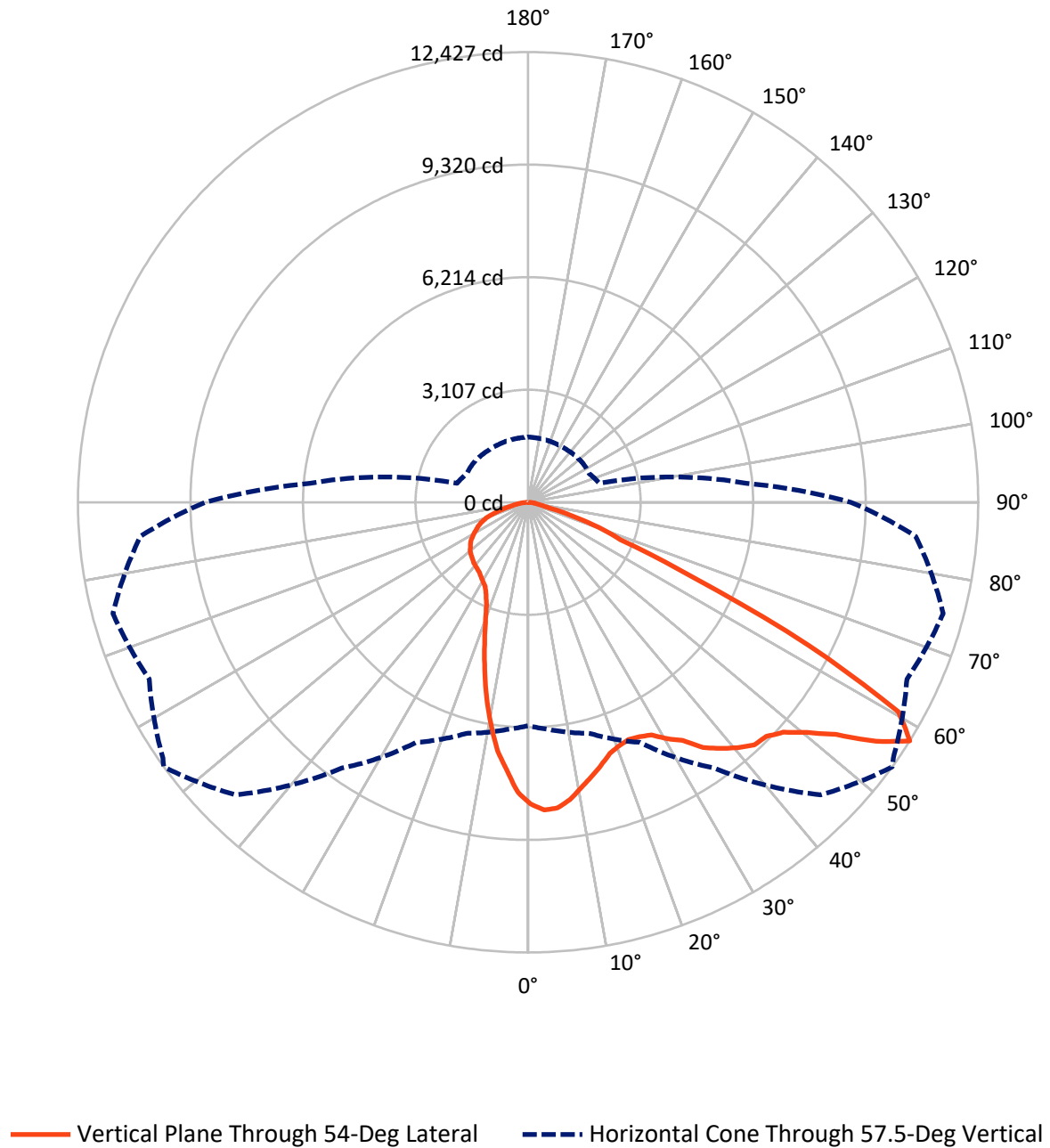
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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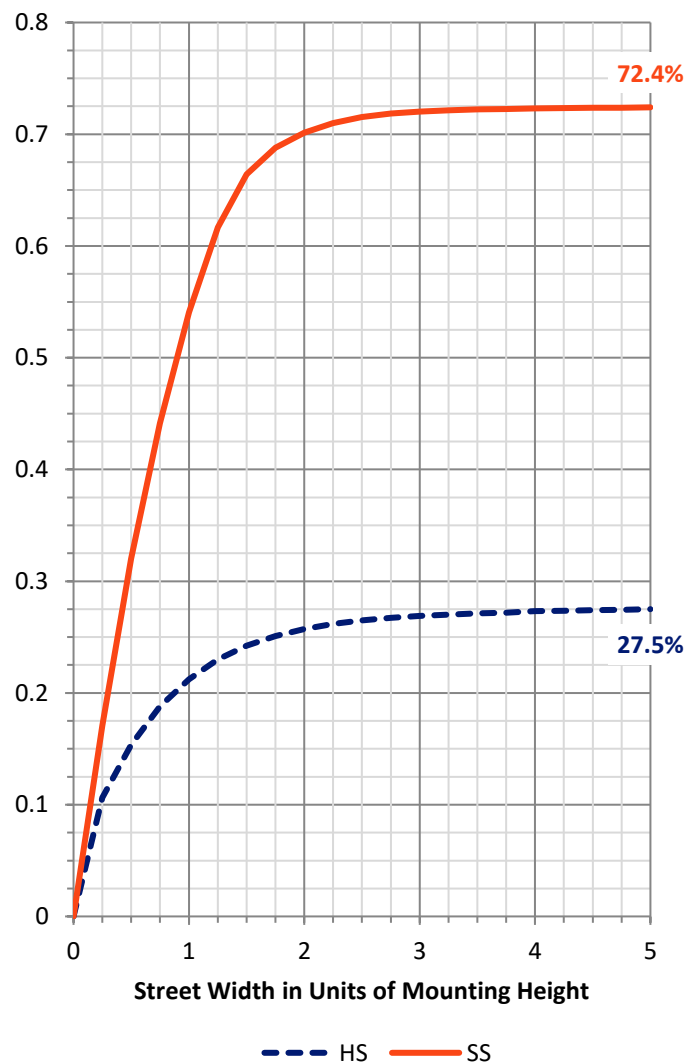
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5928.2	0.0	5928.2
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	15499.8	0.0	15499.8
	% Fixture	72.3	0.0	72.3
Total	Lumens	21428.0	0.0	21428.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	718.3	3.4
10°-20°	1663.1	7.8
20°-30°	2336.6	10.9
30°-40°	3266.7	15.2
40°-50°	4422.4	20.6
50°-60°	5386.7	25.1
60°-70°	2805.6	13.1
70°-80°	718.9	3.4
80°-90°	109.7	0.5
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°	21428.0	100.0
0°-180°	21428.0	100.0

Coefficient of Utilization



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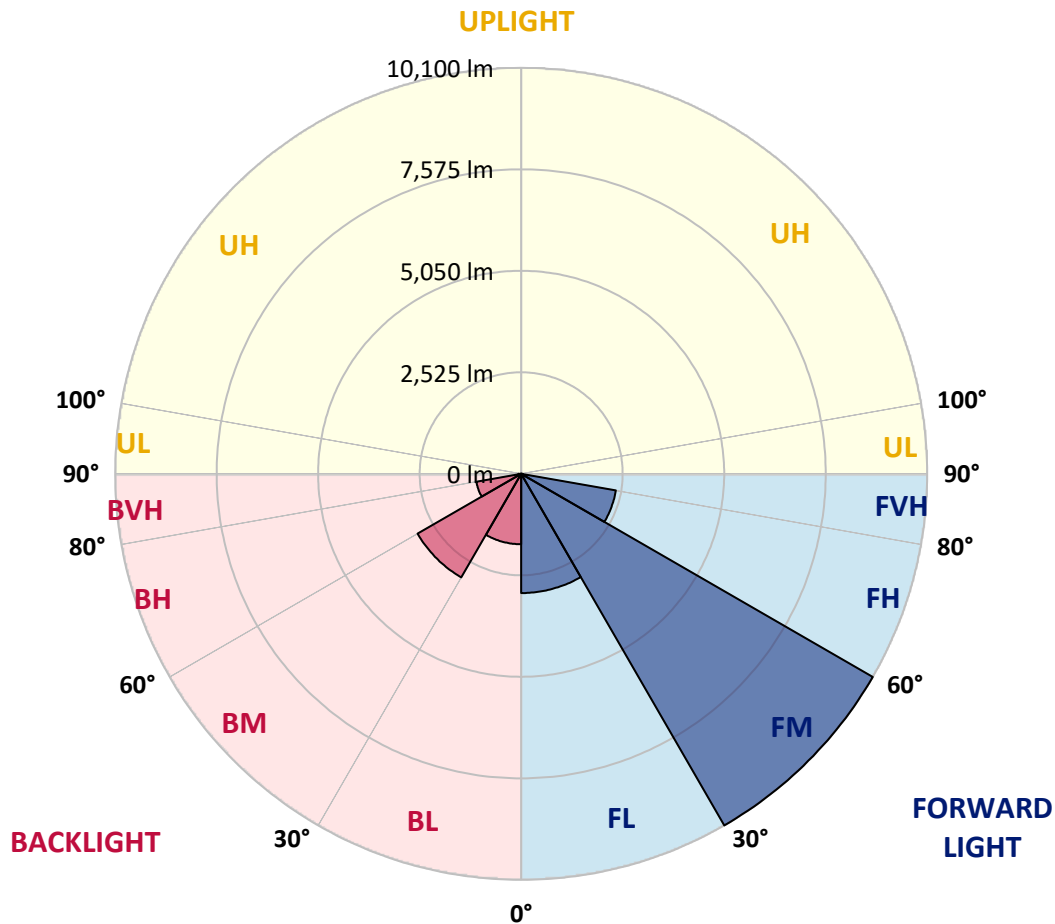
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2965.9	13.8			
FM	(30°-60°)	10100.5	47.1			
FH	(60°-80°)	2392.0	11.2			G2/5000
FVH	(80°-90°)	41.4	0.2			G1/100
BL	(0°-30°)	1752.1	8.2	B3/2500		
BM	(30°-60°)	2975.3	13.9	B3/5000		
BH	(60°-80°)	1132.6	5.3	B3/2500		G3/2500
BVH	(80°-90°)	68.2	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	8328.8	8328.8	8328.8	8328.8	8328.8	8328.8	8328.8	8328.8	8328.8	8328.8	8328.8
2.5°	8565.7	8532.6	8538.1	8582.2	8527.1	8505.1	8505.1	8397.7	8405.9	8331.6	8312.3
5°	8367.4	8290.3	8342.6	8408.7	8419.7	8441.7	8477.5	8450.0	8372.9	8293.0	8163.6
7.5°	7849.6	7918.4	7937.7	7984.5	8083.7	8174.6	8287.5	8210.4	8207.6	8127.8	8050.6
10°	7395.1	7353.8	7458.5	7527.3	7692.6	7844.1	8017.6	8009.3	8050.6	7959.8	7827.5
12.5°	6943.4	6910.4	6960.0	7117.0	7348.3	7568.6	7775.2	7698.1	7918.4	7901.9	7618.2
15°	6464.2	6489.0	6560.6	6706.6	7009.5	7273.9	7535.6	7538.4	7733.9	7800.0	7419.9
17.5°	6128.2	6100.6	6191.5	6409.1	6679.0	6995.8	7293.2	7353.8	7654.0	7692.6	7359.3
20°	5877.5	5916.1	6034.5	6144.7	6455.9	6838.8	7174.8	7196.8	7637.5	7742.2	7262.9
22.5°	5817.0	5794.9	5833.5	6012.5	6268.6	6684.5	7111.4	7194.1	7634.7	7725.6	7081.1
25°	5753.6	5825.2	5822.5	6001.5	6188.8	6560.6	7163.8	7254.7	7780.7	7811.0	7105.9
27.5°	5896.8	5888.6	5965.7	5979.5	6210.8	6593.6	7273.9	7342.8	8023.1	7998.3	7125.2
30°	6040.0	5998.7	6045.6	6208.1	6315.5	6783.7	7576.9	7571.4	8337.1	8320.6	7185.8
32.5°	6216.3	6197.0	6227.3	6370.6	6552.3	7037.1	7833.1	7995.6	8656.6	8761.2	7395.1
35°	6249.4	6329.2	6400.9	6593.6	6852.5	7447.5	8315.0	8450.0	9025.6	9353.4	7794.5
37.5°	6458.7	6489.0	6657.0	6998.5	7235.4	7995.6	8620.8	8706.1	9361.7	9733.5	8215.9
40°	6681.8	6717.6	6971.0	7329.0	7654.0	8353.6	8907.2	8934.8	9469.1	10025.4	8491.3
42.5°	6984.7	7017.8	7268.4	7717.4	8152.5	8659.3	9160.6	9190.9	9460.8	10361.4	8929.2
45°	7298.7	7378.6	7673.3	8182.8	8573.9	9017.4	9218.4	9342.4	9537.9	10661.7	9284.5
47.5°	7739.4	7813.8	8056.1	8554.7	9011.9	9331.4	9485.6	9606.8	9722.5	10923.3	9513.1
50°	8207.6	8221.4	8516.1	8967.8	9303.8	9686.7	9984.1	10025.4	9964.8	11226.3	9901.5
52.5°	8551.9	8596.0	8824.6	9265.3	9766.5	10237.5	10645.1	10689.2	10570.8	11339.2	10033.7
55°	7981.8	7957.0	8328.8	8915.5	10077.8	11058.3	11650.4	11683.5	11011.4	11689.0	10466.1
57.5°	6169.5	6287.9	6604.7	7312.5	8954.0	11421.8	12427.1	12308.7	11540.3	11865.3	10741.5
60°	4483.9	4456.4	4668.4	5142.2	6747.9	9843.6	11749.6	11870.8	11107.8	10694.7	8857.6
62.5°	3652.1	3613.6	3630.1	3646.6	4354.5	6533.1	8697.9	8695.1	8554.7	7687.1	5973.9
65°	2919.5	3010.4	3018.6	3142.6	3233.5	3902.8	5040.3	5310.2	4624.4	3792.6	2751.5
67.5°	2200.6	2167.6	2277.8	2718.4	2889.2	2817.6	2751.5	2781.8	1977.5	1426.7	1344.1
70°	1297.2	1283.5	1415.7	1894.9	2379.7	2239.2	2073.9	2076.7	1357.8	997.0	1110.0
72.5°	710.6	707.8	735.4	961.2	1352.3	1404.7	1244.9	1283.5	809.7	807.0	867.6
75°	396.6	388.3	380.1	424.2	487.5	515.0	526.1	531.6	556.4	622.5	647.2
77.5°	146.0	140.5	140.5	162.5	206.6	258.9	327.8	333.3	393.9	451.7	476.5
80°	49.6	55.1	74.4	101.9	137.7	184.5	223.1	228.6	278.2	316.7	325.0
82.5°	30.3	33.1	49.6	71.6	99.2	129.4	165.3	168.0	206.6	231.4	242.4
85°	13.8	16.5	27.5	44.1	63.3	85.4	88.1	88.1	85.4	88.1	82.6
87.5°	0.0	0.0	5.5	5.5	5.5	8.3	11.0	8.3	13.8	16.5	16.5
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°	8328.8	8328.8	8328.8	8328.8	8328.8	8328.8	8328.8	8328.8	8328.8	8328.8	8328.8
2.5°	8254.5	8224.2	8130.5	8047.9	8023.1	7912.9	7750.4	7769.7	7651.3	7706.4	7648.5
5°	8141.5	8039.6	7800.0	7698.1	7430.9	7309.7	7227.1	7020.6	6924.2	6904.9	6822.2
7.5°	7852.3	7789.0	7488.8	7213.4	6929.7	6687.3	6376.1	6164.0	6012.5	5971.2	5850.0
10°	7623.7	7483.3	7067.4	6648.7	6243.9	5822.5	5417.6	5100.9	4946.6	4767.6	4707.0
12.5°	7397.9	7185.8	6623.9	6086.9	5563.6	5032.0	4541.7	4156.1	3820.1	3740.3	3712.7
15°	7257.4	6888.4	6227.3	5580.1	4836.4	4142.4	3652.1	3398.7	3192.2	3106.8	3167.4
17.5°	7072.9	6643.2	5847.2	4985.2	4167.2	3528.2	3117.8	2960.8	2886.4	2894.7	2869.9
20°	6841.5	6411.9	5348.7	4445.3	3569.5	3060.0	2825.8	2768.0	2779.0	2798.3	2790.0
22.5°	6676.3	6130.9	4987.9	3894.5	3084.7	2801.1	2704.7	2663.3	2699.2	2715.7	2701.9
25°	6549.6	5891.3	4550.0	3407.0	2803.8	2655.1	2611.0	2608.3	2663.3	2685.4	2671.6
27.5°	6433.9	5668.2	4114.8	3035.2	2616.5	2542.2	2528.4	2561.4	2597.2	2619.3	2638.6
30°	6365.0	5497.5	3707.2	2723.9	2522.9	2487.1	2462.3	2492.6	2511.9	2533.9	2522.9
32.5°	6431.1	5376.3	3313.3	2547.7	2445.8	2410.0	2443.0	2423.7	2456.8	2476.1	2445.8
35°	6637.7	5268.9	3032.4	2454.0	2357.6	2371.4	2376.9	2368.6	2382.4	2365.9	2401.7
37.5°	6841.5	5230.3	2773.5	2374.2	2316.3	2316.3	2310.8	2294.3	2321.8	2316.3	2332.8
40°	7100.4	5255.1	2553.2	2288.8	2277.8	2272.2	2250.2	2247.5	2236.4	2239.2	2244.7
42.5°	7326.3	5310.2	2426.5	2233.7	2242.0	2253.0	2211.7	2178.6	2192.4	2164.8	2164.8
45°	7565.9	5359.7	2313.6	2195.1	2186.9	2184.1	2151.1	2131.8	2120.8	2123.5	2148.3
47.5°	7943.2	5431.4	2228.2	2142.8	2148.3	2107.0	2098.7	2073.9	2085.0	2101.5	2104.2
50°	8210.4	5582.8	2162.1	2082.2	2101.5	2073.9	2024.4	2013.3	2013.3	2040.9	2035.4
52.5°	8397.7	5794.9	2098.7	2016.1	2024.4	2002.3	1985.8	1961.0	1944.5	1983.1	2002.3
55°	8970.6	6147.5	2082.2	1961.0	1958.3	1936.2	1905.9	1881.1	1872.9	1878.4	1917.0
57.5°	8915.5	6037.3	2029.9	1864.6	1859.1	1828.8	1798.5	1790.3	1787.5	1793.0	1804.0
60°	7238.1	4459.1	1812.3	1754.5	1746.2	1740.7	1710.4	1677.3	1660.8	1677.3	1663.6
62.5°	4789.6	2985.6	1597.5	1622.2	1627.8	1614.0	1564.4	1531.4	1536.9	1556.1	1525.8
65°	2352.1	1754.5	1448.7	1514.8	1520.3	1481.8	1435.0	1396.4	1377.1	1393.6	1379.9
67.5°	1344.1	1341.3	1327.5	1396.4	1393.6	1355.1	1280.7	1247.7	1214.6	1220.1	1211.9
70°	1140.3	1162.3	1189.8	1231.1	1228.4	1184.3	1096.2	1071.4	1024.6	1019.1	1005.3
72.5°	897.9	936.4	997.0	1027.3	1002.5	947.5	889.6	848.3	807.0	782.2	790.5
75°	666.5	721.6	754.7	773.9	735.4	705.1	658.3	608.7	559.1	537.1	528.8
77.5°	484.7	501.3	531.6	545.3	520.6	490.3	462.7	413.1	366.3	336.0	327.8
80°	338.8	349.8	371.8	371.8	371.8	358.1	322.2	272.7	242.4	214.8	209.3
82.5°	236.9	247.9	269.9	258.9	256.1	239.6	217.6	179.0	146.0	126.7	121.2
85°	82.6	90.9	110.2	132.2	140.5	137.7	123.9	99.2	77.1	63.3	57.8
87.5°	19.3	19.3	22.0	19.3	19.3	22.0	19.3	19.3	19.3	13.8	11.0
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)