

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: P531936

Luminaire Tested: **GLAN-SA7B-730-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7B-730-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30773 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

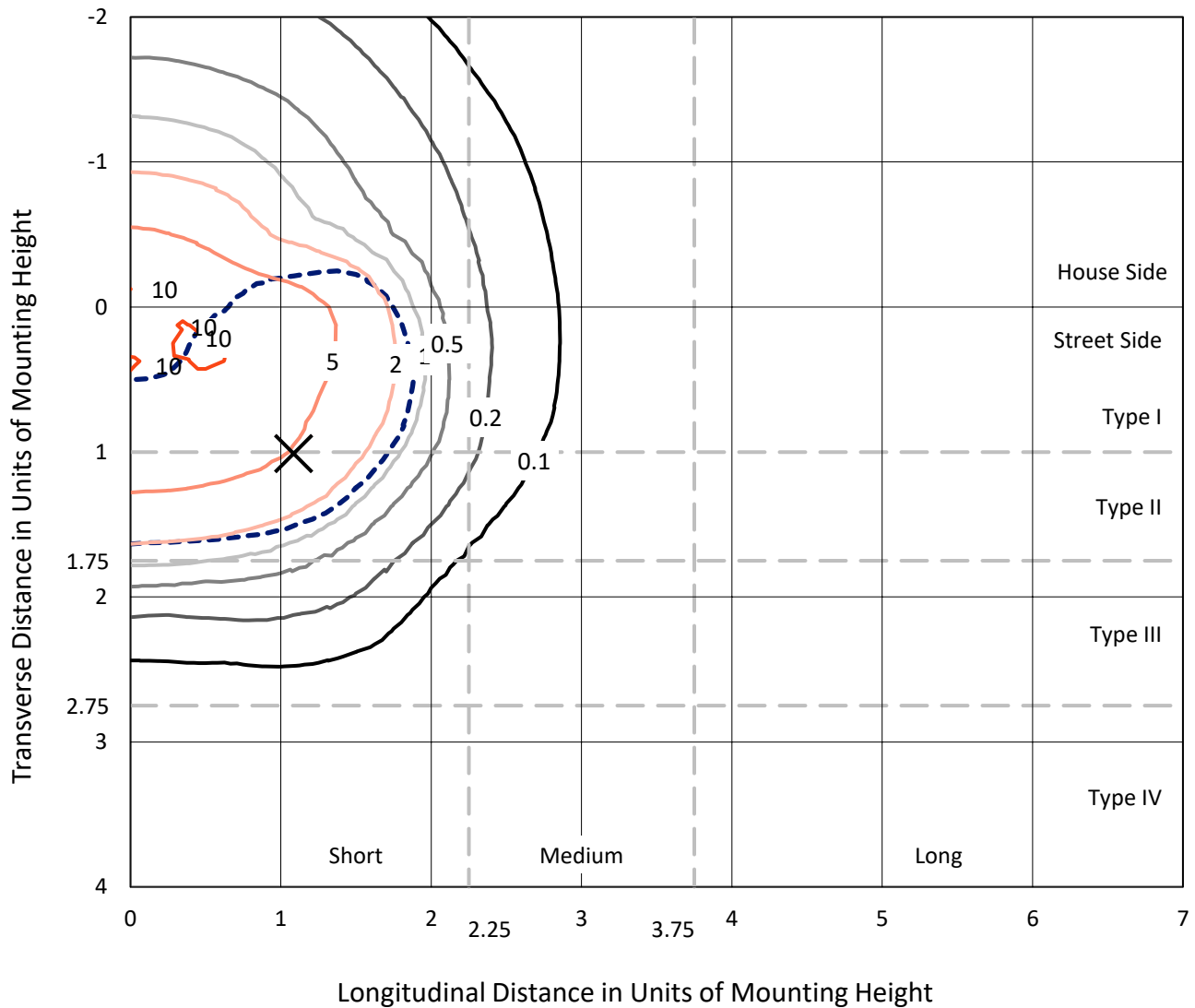
Input Watts (W): 286
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

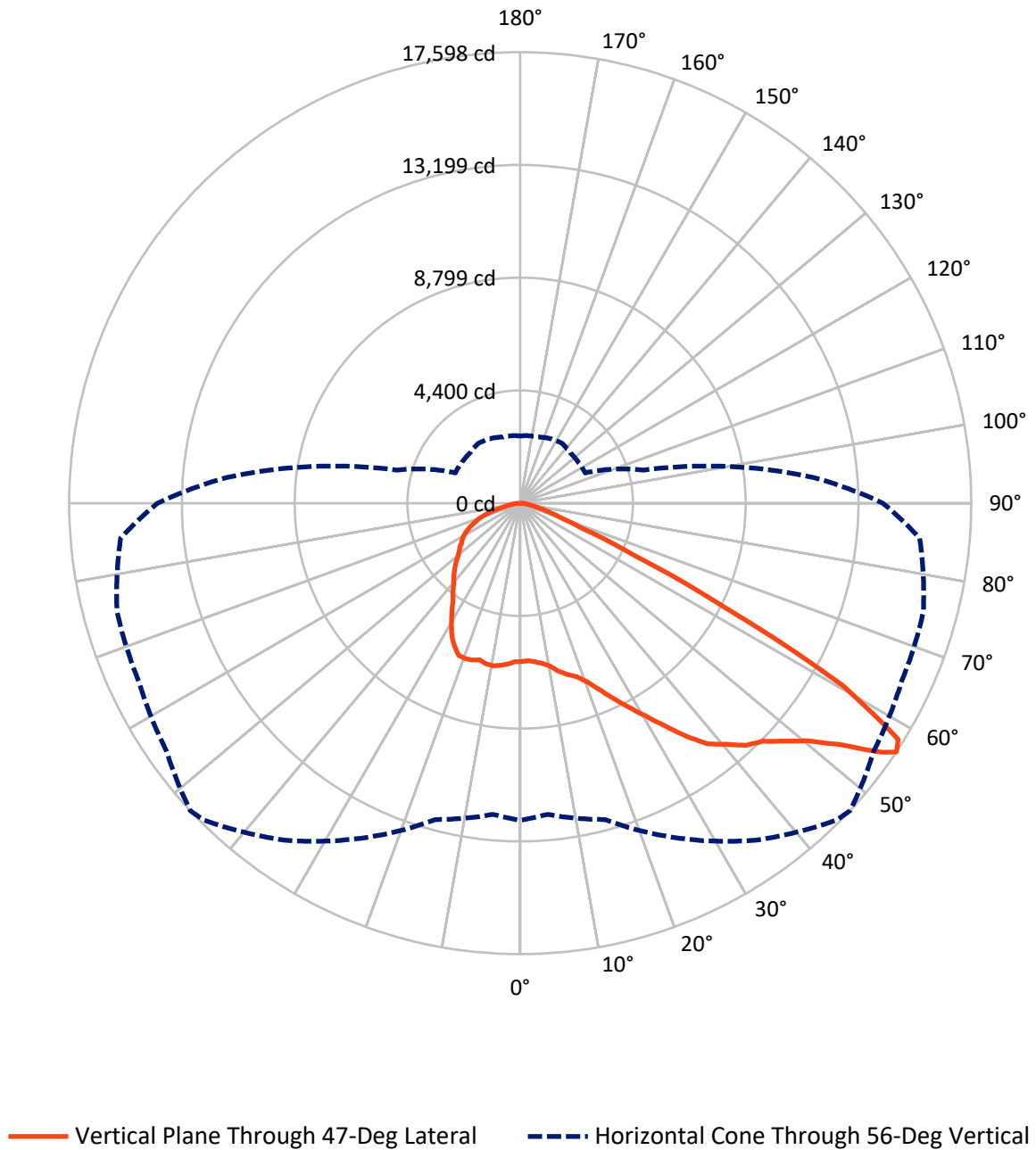
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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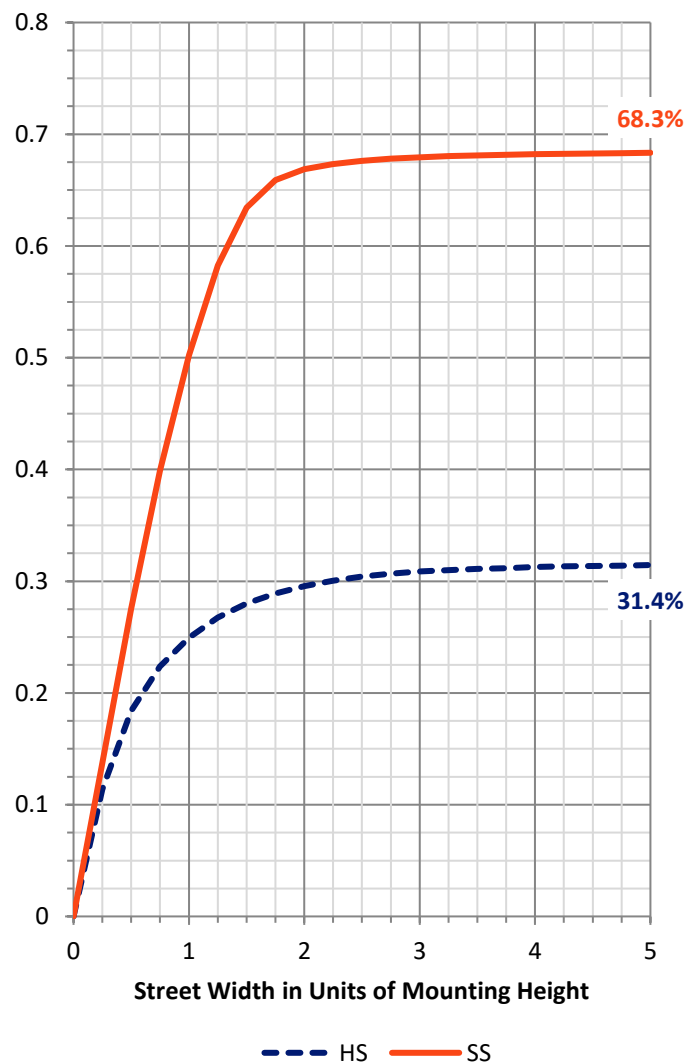
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9751.6	0.0	9751.6
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	21021.4	0.0	21021.4
	% Fixture	68.3	0.0	68.3
Total	Lumens	30773.0	0.0	30773.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	602.3	2.0
10°-20°	1899.9	6.2
20°-30°	3358.6	10.9
30°-40°	5044.5	16.4
40°-50°	6923.1	22.5
50°-60°	8248.0	26.8
60°-70°	3529.6	11.5
70°-80°	998.9	3.2
80°-90°	168.1	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°	30773.0	100.0
0°-180°	30773.0	100.0

Coefficient of Utilization



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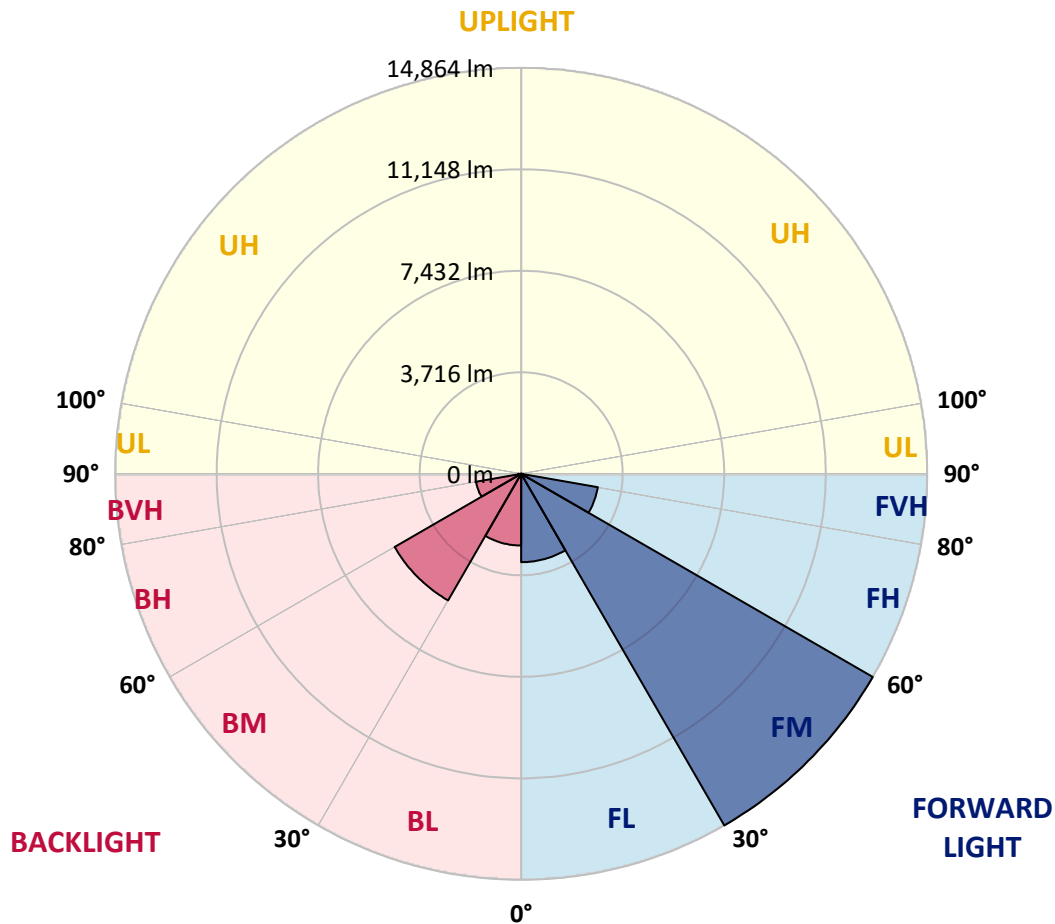
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3235.3	10.5			
FM	(30°-60°)	14864.1	48.3			
FH	(60°-80°)	2850.7	9.3			G2/5000
FVH	(80°-90°)	71.3	0.2			G1/100
BL	(0°-30°)	2625.5	8.5	B4/5000		
BM	(30°-60°)	5351.5	17.4	B4/8500		
BH	(60°-80°)	1677.8	5.5	B3/2500		G3/2500
BVH	(80°-90°)	96.7	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	6181.4	6181.4	6181.4	6181.4	6181.4	6181.4	6181.4	6181.4	6181.4	6181.4	6181.4
2.5°	6157.8	6146.0	6138.2	6201.0	6177.4	6181.4	6157.8	6181.4	6197.1	6161.7	6212.8
5°	6146.0	6181.4	6150.0	6169.6	6220.6	6204.9	6220.6	6267.7	6255.9	6244.2	6228.5
7.5°	6255.9	6259.9	6283.4	6291.3	6307.0	6291.3	6314.8	6358.0	6346.2	6279.5	6287.3
10°	6412.9	6420.8	6424.7	6467.9	6495.3	6499.3	6471.8	6432.5	6428.6	6518.9	6456.1
12.5°	6593.5	6573.8	6620.9	6636.6	6668.0	6703.3	6738.7	6656.2	6707.3	6711.2	6636.6
15°	6856.4	6876.0	6821.1	6821.1	6832.9	6836.8	6934.9	6895.7	6887.8	6844.6	6876.0
17.5°	7248.9	7115.4	7111.5	7056.6	7048.7	7080.1	7115.4	7146.8	7252.8	7166.5	6997.7
20°	7535.4	7566.8	7453.0	7386.2	7398.0	7468.7	7433.3	7574.6	7649.2	7507.9	7343.1
22.5°	8041.7	7935.7	7963.2	7814.0	7825.8	7900.4	7896.4	8041.7	8084.8	7861.1	7621.7
25°	8383.1	8355.6	8379.2	8261.4	8277.1	8336.0	8430.2	8669.6	8599.0	8351.7	7798.3
27.5°	8881.5	8826.6	8807.0	8763.8	8748.1	8905.1	9015.0	9270.1	9219.1	8858.0	8112.3
30°	9391.7	9356.4	9376.0	9199.4	9262.2	9595.8	9627.2	9976.5	9953.0	9317.2	8461.6
32.5°	9745.0	9764.6	9799.9	9701.8	9980.4	10247.3	10353.3	10749.7	10769.3	10106.0	9136.6
35°	10314.0	10247.3	10266.9	10380.8	10510.3	10996.9	11169.6	11432.6	11597.4	10934.1	9784.2
37.5°	10671.2	10741.8	10659.4	10839.9	11177.5	11762.2	11919.2	12190.0	12362.7	11750.5	10667.3
40°	11228.5	11114.7	11173.5	11303.1	11648.4	12409.8	12366.6	12645.3	12700.2	12445.1	11491.4
42.5°	11829.0	11774.0	11691.6	11986.0	12276.4	12829.8	12916.1	12786.6	13065.2	13124.1	12668.8
45°	12547.2	12613.9	12625.7	12633.5	12888.6	13371.4	13253.6	13139.8	13461.6	13889.4	13398.8
47.5°	13214.4	13002.4	13155.5	13367.4	13728.5	13732.4	13869.8	13599.0	13940.4	14321.1	14058.2
50°	13438.1	13336.0	13540.1	13940.4	14497.7	14556.6	14572.3	14187.7	14364.3	14666.5	14285.8
52.5°	13351.7	13316.4	13838.4	14458.5	15274.8	15573.1	15651.6	15176.7	15274.8	15137.5	14788.2
55°	12939.6	13045.6	13571.5	14835.3	16087.2	17009.5	17158.7	16558.2	15934.2	16040.1	15655.5
56°	12374.5	12190.0	12778.7	14407.5	16051.9	17476.6	17598.2	16848.6	16424.8	16287.4	15647.7
57.5°	10498.5	10259.1	11032.3	12963.2	15161.0	17300.0	17390.2	16970.3	16342.3	16063.7	14505.6
60°	6146.0	6263.8	7244.9	8940.4	11695.5	14183.8	14486.0	14792.1	14372.2	13124.1	10796.8
62.5°	2967.1	2892.5	3595.0	5125.6	7127.2	9054.2	8964.0	9823.5	10294.4	9325.0	6817.2
65°	1554.2	1546.3	1962.3	2798.3	3916.8	4756.7	4839.1	5302.2	5949.8	4803.8	3461.6
67.5°	1142.1	1173.5	1381.5	1966.3	2519.6	2570.7	2558.9	2790.4	2853.2	2413.7	2127.2
70°	894.8	910.5	1063.6	1495.3	1876.0	1679.8	1644.4	1671.9	1856.4	1934.9	1840.7
72.5°	647.6	663.3	792.8	1008.6	1173.5	1146.0	1169.6	1322.6	1550.2	1632.7	1534.5
75°	431.7	443.5	514.1	616.2	694.7	749.6	792.8	969.4	1181.3	1228.4	1181.3
77.5°	298.3	310.0	357.1	435.6	443.5	478.8	494.5	576.9	706.4	765.3	733.9
80°	168.8	168.8	192.3	223.7	274.7	321.8	329.7	396.4	455.3	494.5	502.4
82.5°	78.5	82.4	102.0	137.4	180.5	223.7	231.6	274.7	317.9	357.1	368.9
85°	39.2	43.2	58.9	82.4	109.9	133.4	129.5	133.4	141.3	133.4	137.4
87.5°	11.8	11.8	15.7	19.6	15.7	19.6	19.6	23.5	27.5	31.4	35.3
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°	6181.4	6181.4	6181.4	6181.4	6181.4	6181.4	6181.4	6181.4	6181.4	6181.4	6181.4
2.5°	6216.7	6228.5	6150.0	6224.5	6197.1	6193.1	6248.1	6240.2	6259.9	6252.0	6204.9
5°	6220.6	6193.1	6275.6	6201.0	6236.3	6310.9	6259.9	6377.6	6318.7	6358.0	6271.6
7.5°	6342.3	6350.1	6334.4	6365.8	6350.1	6385.4	6358.0	6385.4	6338.3	6342.3	6420.8
10°	6448.2	6424.7	6452.2	6412.9	6440.4	6428.6	6365.8	6346.2	6361.9	6342.3	6393.3
12.5°	6644.5	6601.3	6581.7	6534.6	6503.2	6385.4	6287.3	6232.4	6307.0	6318.7	6295.2
15°	6844.6	6848.6	6758.3	6652.3	6456.1	6279.5	6303.0	6322.6	6322.6	6354.0	6295.2
17.5°	6970.2	6970.2	6887.8	6675.9	6475.7	6373.7	6350.1	6287.3	6232.4	6224.5	6220.6
20°	7190.0	7123.3	6934.9	6671.9	6467.9	6420.8	6244.2	6095.0	5981.2	5942.0	5938.0
22.5°	7441.2	7272.4	7009.5	6679.8	6456.1	6389.4	6059.7	5836.0	5631.9	5545.6	5557.3
25°	7672.7	7401.9	7052.6	6644.5	6412.9	6091.1	5722.2	5412.1	5200.2	5129.5	5094.2
27.5°	7833.6	7539.3	7052.6	6675.9	6252.0	5757.5	5380.7	4984.3	4799.9	4752.8	4760.6
30°	8049.5	7712.0	7174.3	6609.2	5930.2	5325.8	4874.4	4615.4	4505.5	4466.3	4493.8
32.5°	8555.8	8163.3	7343.1	6448.2	5549.5	4894.1	4529.1	4383.9	4222.9	4144.5	4117.0
35°	9105.2	8591.1	7507.9	6177.4	5121.7	4501.6	4274.0	4140.5	3948.2	3861.9	3877.6
37.5°	9882.3	9140.6	7519.7	5730.0	4658.6	4281.8	4073.8	3865.8	3708.8	3575.4	3536.1
40°	10930.2	9890.2	7492.2	5259.1	4285.7	4022.8	3869.7	3610.7	3434.1	3339.9	3359.5
42.5°	11852.5	10769.3	7378.4	4725.3	3948.2	3846.2	3673.5	3418.4	3245.7	3147.6	3139.7
45°	12629.6	11416.9	7162.5	4270.0	3665.6	3649.9	3449.8	3253.6	3116.2	3025.9	3065.2
47.5°	13347.8	11938.9	6836.8	3814.8	3406.6	3438.0	3245.7	3124.0	3037.7	2955.3	2951.4
50°	13606.8	11931.0	6550.3	3438.0	3198.6	3182.9	3175.1	3045.5	2955.3	2884.6	2916.0
52.5°	14038.6	12064.4	6240.2	3179.0	3010.2	3014.1	3041.6	2947.4	2845.4	2802.2	2841.5
55°	14658.7	12084.1	5557.3	2876.8	2853.2	2880.7	2880.7	2817.9	2731.6	2696.3	2676.6
56°	14152.4	11499.3	4984.3	2798.3	2774.7	2774.7	2849.3	2778.7	2672.7	2645.2	2621.7
57.5°	13053.5	10074.6	4171.9	2704.1	2668.8	2723.7	2763.0	2688.4	2590.3	2551.0	2574.6
60°	9003.2	6817.2	3135.8	2500.0	2500.0	2590.3	2621.7	2511.8	2468.6	2464.7	2433.3
62.5°	5255.1	3971.8	2452.9	2315.6	2323.4	2398.0	2421.5	2358.7	2303.8	2370.5	2401.9
65°	2786.5	2370.5	2103.6	2119.3	2123.2	2182.1	2284.2	2280.2	2276.3	2295.9	2299.9
67.5°	2017.3	1970.2	1911.3	1895.6	1903.5	1946.6	2048.7	2127.2	2123.2	2076.2	2040.8
70°	1797.5	1730.8	1695.5	1699.4	1668.0	1719.0	1801.4	1852.4	1762.2	1707.2	1683.7
72.5°	1495.3	1475.7	1452.1	1456.1	1393.3	1381.5	1287.3	1287.3	1263.7	1248.0	1275.5
75°	1142.1	1134.2	1146.0	1126.4	1059.7	989.0	934.1	883.1	804.6	773.2	757.5
77.5°	722.1	745.7	773.2	730.0	702.5	651.5	596.6	545.5	482.7	447.4	447.4
80°	490.6	510.2	529.8	522.0	490.6	443.5	400.3	345.4	302.2	274.7	270.8
82.5°	372.8	388.5	416.0	384.6	353.2	314.0	278.7	239.4	200.2	168.8	168.8
85°	133.4	153.1	168.8	184.5	196.2	200.2	172.7	141.3	113.8	90.3	86.3
87.5°	35.3	39.2	43.2	39.2	39.2	39.2	43.2	39.2	35.3	27.5	27.5
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)