

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: McGRAW-EDISON

Report Number: P530912

Luminaire Tested: **GALN-SA6A-830-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530912
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: McGRAW-EDISON
Catalog Number: GALN-SA6A-830-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 615mA 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: 18231 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 182
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



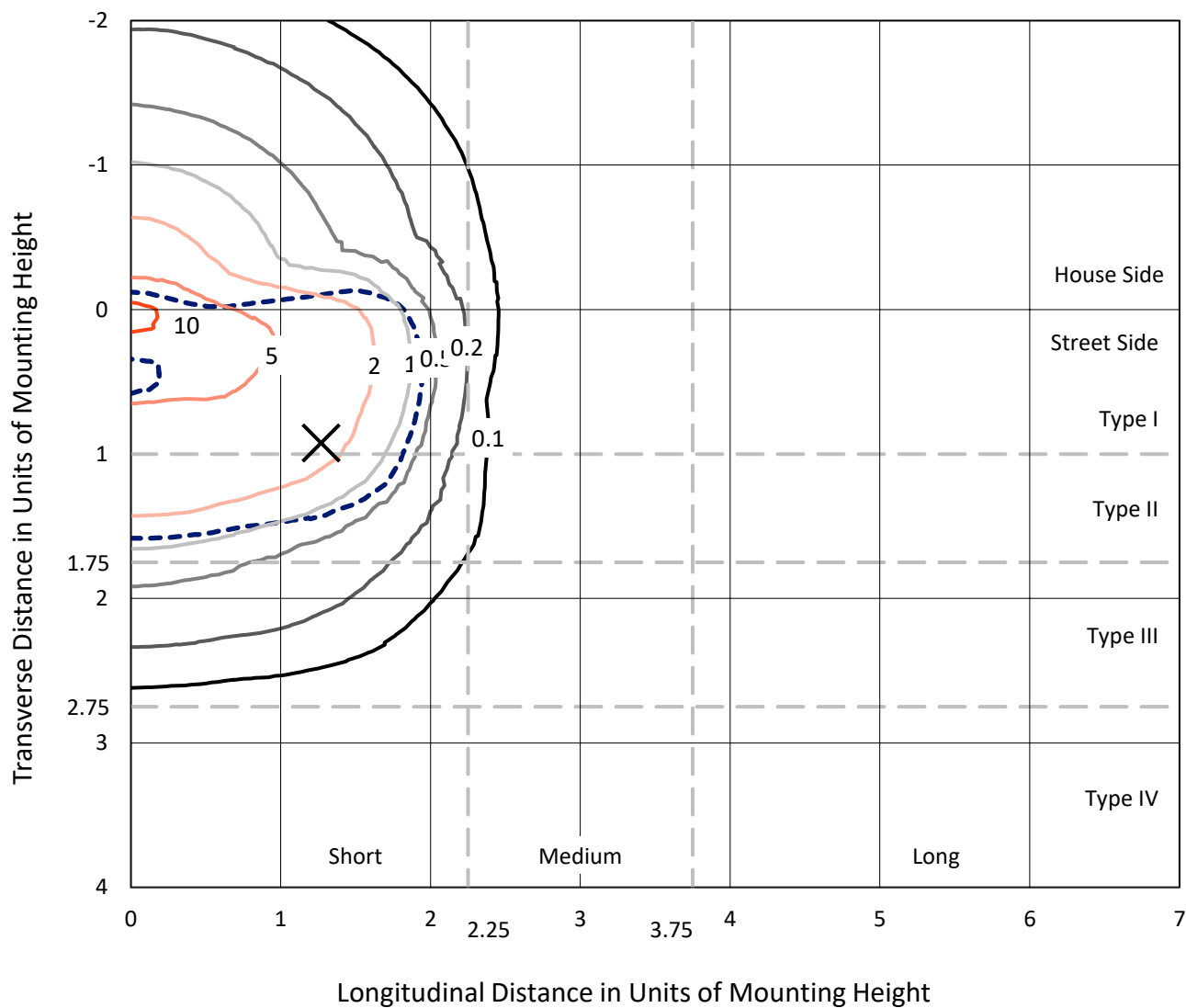
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

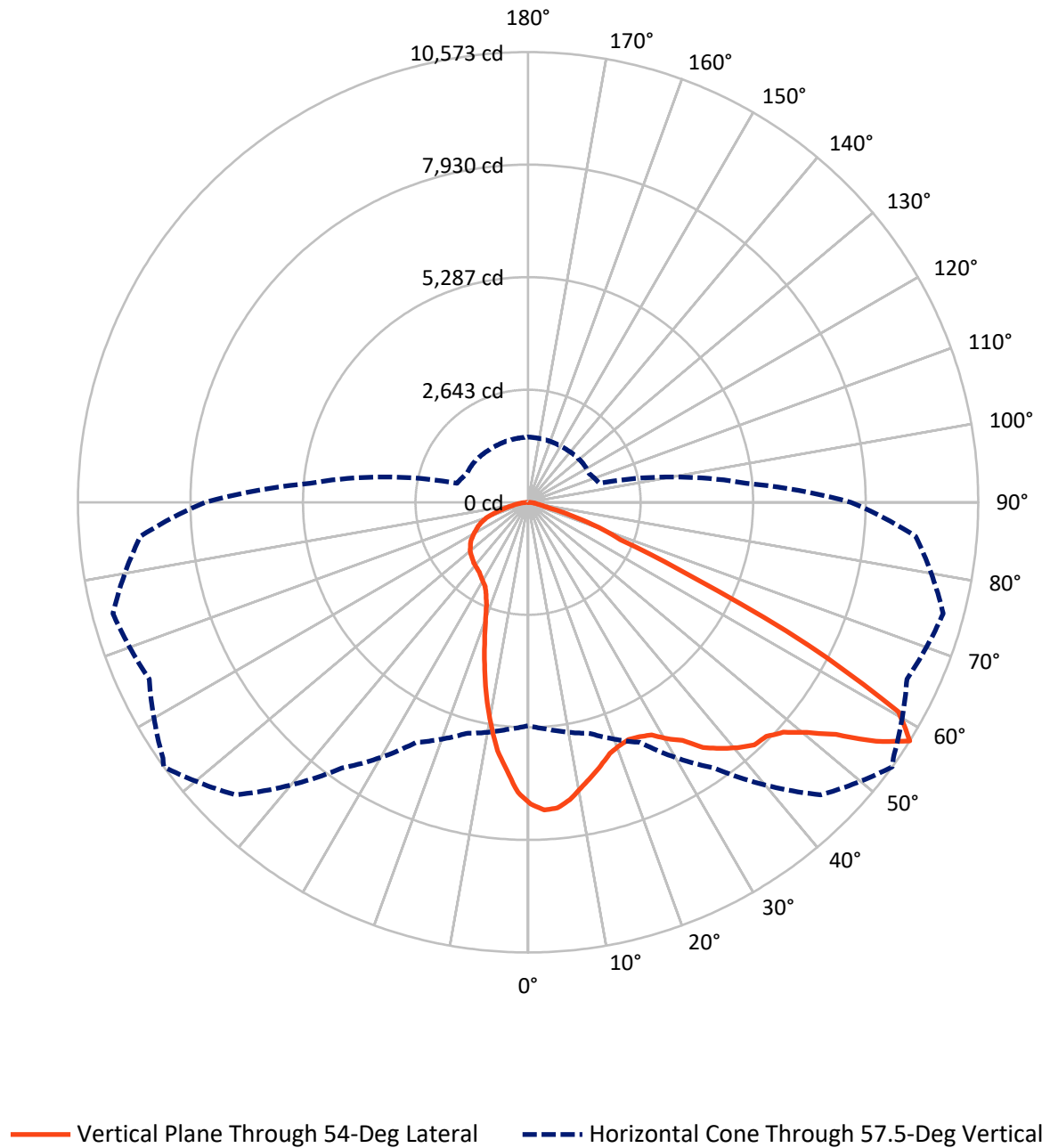
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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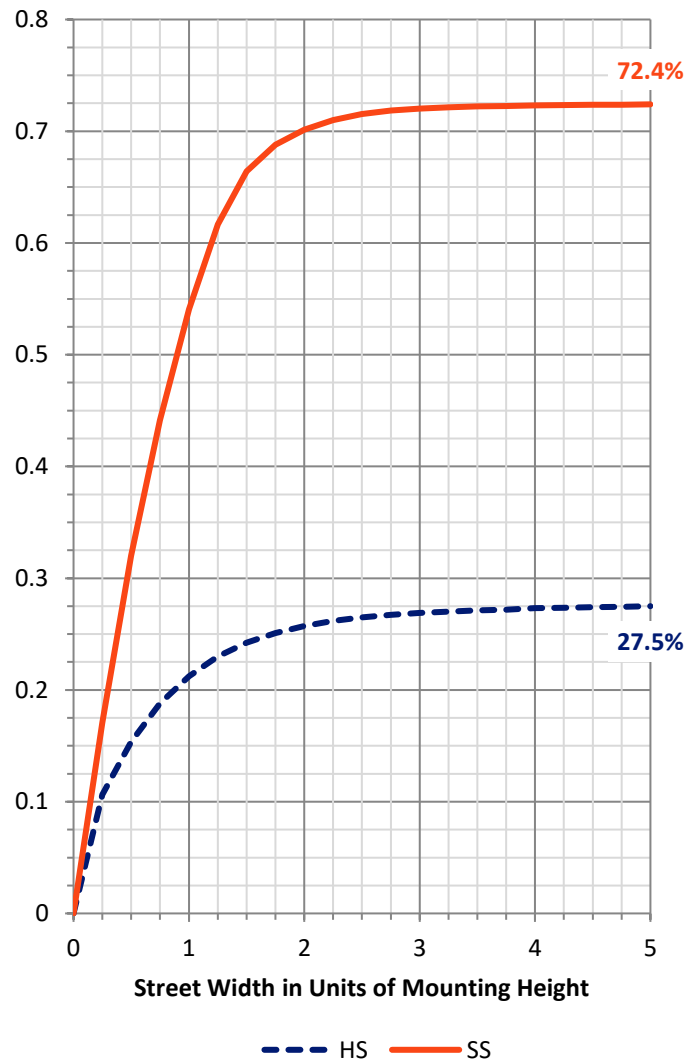
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5043.7	0.0	5043.7
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	13187.3	0.0	13187.3
	% Fixture	72.3	0.0	72.3
Total	Lumens	18231.0	0.0	18231.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	611.1	3.4
10°-20°	1415.0	7.8
20°-30°	1988.0	10.9
30°-40°	2779.3	15.2
40°-50°	3762.6	20.6
50°-60°	4583.0	25.1
60°-70°	2387.0	13.1
70°-80°	611.7	3.4
80°-90°	93.3	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°	18231.0	100.0
0°-180°	18231.0	100.0

Coefficient of Utilization



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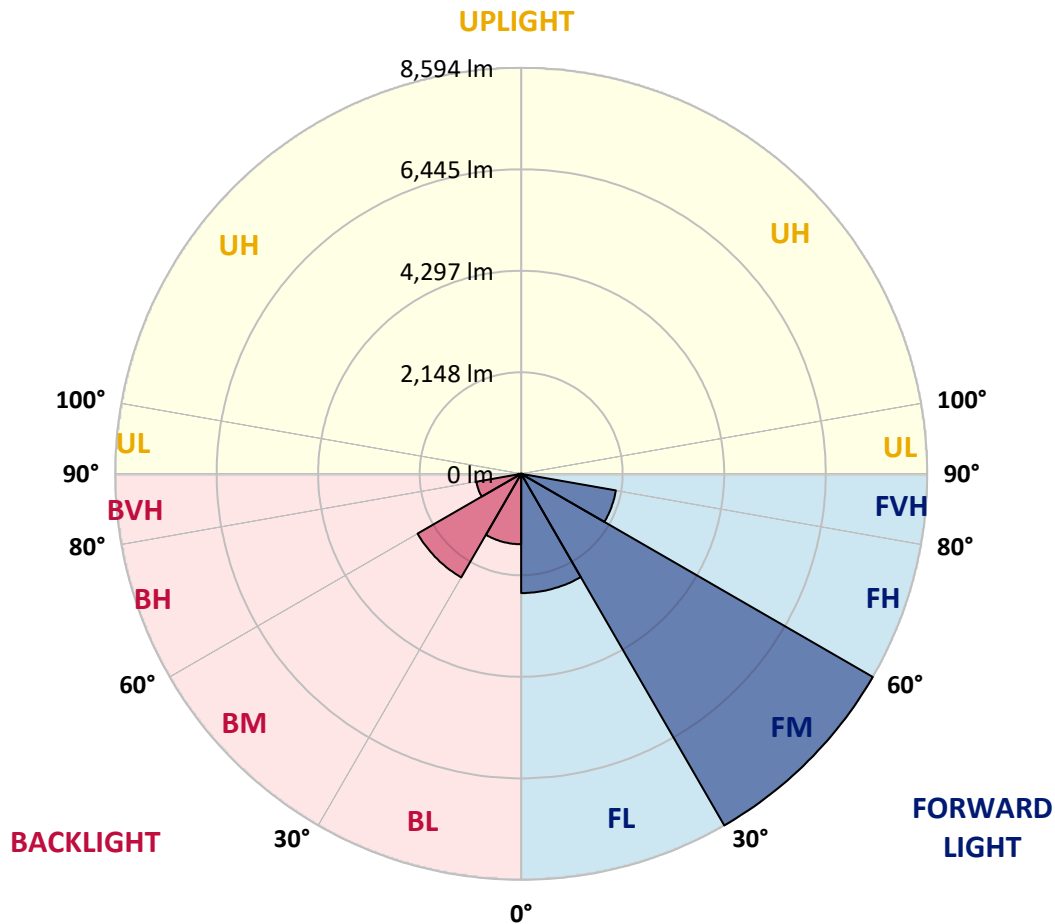
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2523.4	13.8			
FM	(30°-60°)	8593.5	47.1			
FH	(60°-80°)	2035.1	11.2			G2/5000
FVH	(80°-90°)	35.3	0.2			G1/100
BL	(0°-30°)	1490.7	8.2	B3/2500		
BM	(30°-60°)	2531.4	13.9	B3/5000		
BH	(60°-80°)	963.6	5.3	B2/1000		G2/1000
BVH	(80°-90°)	58.0	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-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	7086.2	7086.2	7086.2	7086.2	7086.2	7086.2	7086.2	7086.2	7086.2	7086.2	7086.2
2.5°	7287.7	7259.6	7264.3	7301.8	7254.9	7236.2	7236.2	7144.8	7151.8	7088.5	7072.1
5°	7119.0	7053.4	7097.9	7154.1	7163.5	7182.3	7212.7	7189.3	7123.7	7055.7	6945.6
7.5°	6678.4	6737.0	6753.4	6793.3	6877.6	6955.0	7051.0	6985.4	6983.1	6915.1	6849.5
10°	6291.8	6256.6	6345.7	6404.3	6544.9	6673.8	6821.4	6814.4	6849.5	6772.2	6659.7
12.5°	5907.5	5879.4	5921.6	6055.1	6252.0	6439.4	6615.2	6549.6	6737.0	6723.0	6481.6
15°	5499.8	5520.8	5581.8	5706.0	5963.7	6188.7	6411.3	6413.6	6580.0	6636.3	6312.9
17.5°	5213.9	5190.4	5267.8	5452.9	5682.5	5952.0	6205.1	6256.6	6512.1	6544.9	6261.3
20°	5000.6	5033.4	5134.2	5227.9	5492.7	5818.4	6104.3	6123.1	6498.0	6587.1	6179.3
22.5°	4949.1	4930.3	4963.1	5115.5	5333.4	5687.2	6050.4	6120.7	6495.7	6573.0	6024.7
25°	4895.2	4956.1	4953.8	5106.1	5265.4	5581.8	6095.0	6172.3	6619.9	6645.6	6045.7
27.5°	5017.0	5010.0	5075.6	5087.3	5284.2	5609.9	6188.7	6247.3	6826.1	6805.0	6062.2
30°	5138.9	5103.7	5143.6	5281.8	5373.2	5771.6	6446.5	6441.8	7093.2	7079.2	6113.7
32.5°	5288.9	5272.5	5298.2	5420.1	5574.7	5987.2	6664.4	6802.6	7365.0	7454.1	6291.8
35°	5317.0	5384.9	5445.9	5609.9	5830.2	6336.3	7074.5	7189.3	7679.0	7957.9	6631.6
37.5°	5495.1	5520.8	5663.8	5954.4	6155.9	6802.6	7334.6	7407.2	7964.9	8281.3	6990.1
40°	5684.9	5715.3	5930.9	6235.6	6512.1	7107.3	7578.3	7601.7	8056.3	8529.7	7224.4
42.5°	5942.6	5970.8	6184.0	6566.0	6936.2	7367.4	7793.9	7819.6	8049.3	8815.5	7597.0
45°	6209.8	6277.7	6528.5	6962.0	7294.7	7672.0	7843.1	7948.5	8114.9	9071.0	7899.3
47.5°	6584.7	6648.0	6854.2	7278.3	7667.3	7939.1	8070.4	8173.5	8271.9	9293.6	8093.8
50°	6983.1	6994.8	7245.5	7629.8	7915.7	8241.4	8494.5	8529.7	8478.1	9551.3	8424.2
52.5°	7276.0	7313.5	7508.0	7882.9	8309.4	8710.1	9056.9	9094.4	8993.6	9647.4	8536.7
55°	6790.9	6769.8	7086.2	7585.3	8574.2	9408.4	9912.2	9940.3	9368.6	9945.0	8904.6
57.5°	5249.0	5349.8	5619.3	6221.5	7618.1	9717.7	10573.0	10472.3	9818.5	10095.0	9138.9
60°	3814.9	3791.5	3971.9	4375.0	5741.1	8375.0	9996.6	10099.7	9450.6	9099.1	7536.1
62.5°	3107.2	3074.4	3088.5	3102.5	3704.8	5558.3	7400.2	7397.8	7278.3	6540.2	5082.6
65°	2483.9	2561.2	2568.3	2673.7	2751.1	3320.5	4288.3	4517.9	3934.4	3226.7	2341.0
67.5°	1872.3	1844.2	1937.9	2312.9	2458.1	2397.2	2341.0	2366.7	1682.5	1213.8	1143.5
70°	1103.7	1092.0	1204.5	1612.2	2024.6	1905.1	1764.5	1766.9	1155.3	848.3	944.4
72.5°	604.6	602.2	625.7	817.8	1150.6	1195.1	1059.2	1092.0	688.9	686.6	738.1
75°	337.4	330.4	323.4	360.9	414.8	438.2	447.6	452.3	473.3	529.6	550.7
77.5°	124.2	119.5	119.5	138.3	175.7	220.3	278.9	283.5	335.1	384.3	405.4
80°	42.2	46.9	63.3	86.7	117.2	157.0	189.8	194.5	236.7	269.5	276.5
82.5°	25.8	28.1	42.2	60.9	84.4	110.1	140.6	142.9	175.7	196.8	206.2
85°	11.7	14.1	23.4	37.5	53.9	72.6	75.0	75.0	72.6	75.0	70.3
87.5°	0.0	0.0	4.7	4.7	4.7	7.0	9.4	7.0	11.7	14.1	14.1
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°	7086.2	7086.2	7086.2	7086.2	7086.2	7086.2	7086.2	7086.2	7086.2	7086.2	7086.2
2.5°	7022.9	6997.1	6917.5	6847.2	6826.1	6732.3	6594.1	6610.5	6509.7	6556.6	6507.4
5°	6926.8	6840.1	6636.3	6549.6	6322.3	6219.2	6148.9	5973.1	5891.1	5874.7	5804.4
7.5°	6680.8	6626.9	6371.5	6137.1	5895.8	5689.6	5424.8	5244.3	5115.5	5080.3	4977.2
10°	6486.3	6366.8	6012.9	5656.8	5312.3	4953.8	4609.3	4339.8	4208.6	4056.3	4004.7
12.5°	6294.1	6113.7	5635.7	5178.7	4733.5	4281.2	3864.1	3536.1	3250.2	3182.2	3158.8
15°	6174.6	5860.6	5298.2	4747.6	4114.9	3524.3	3107.2	2891.6	2715.9	2643.3	2694.8
17.5°	6017.6	5652.1	4974.9	4241.4	3545.4	3001.8	2652.6	2519.1	2455.8	2462.8	2441.7
20°	5820.8	5455.2	4550.7	3782.1	3036.9	2603.4	2404.2	2355.0	2364.4	2380.8	2373.8
22.5°	5680.2	5216.2	4243.7	3313.4	2624.5	2383.2	2301.1	2266.0	2296.4	2310.5	2298.8
25°	5572.4	5012.3	3871.2	2898.7	2385.5	2259.0	2221.5	2219.1	2266.0	2284.7	2273.0
27.5°	5474.0	4822.5	3500.9	2582.3	2226.1	2162.9	2151.2	2179.3	2209.7	2228.5	2244.9
30°	5415.4	4677.3	3154.1	2317.5	2146.5	2116.0	2094.9	2120.7	2137.1	2155.8	2146.5
32.5°	5471.6	4574.1	2819.0	2167.6	2080.9	2050.4	2078.5	2062.1	2090.2	2106.6	2080.9
35°	5647.4	4482.8	2580.0	2087.9	2005.9	2017.6	2022.3	2015.2	2027.0	2012.9	2043.4
37.5°	5820.8	4450.0	2359.7	2019.9	1970.7	1970.7	1966.0	1952.0	1975.4	1970.7	1984.8
40°	6041.1	4471.0	2172.3	1947.3	1937.9	1933.2	1914.5	1912.1	1902.8	1905.1	1909.8
42.5°	6233.2	4517.9	2064.5	1900.4	1907.5	1916.8	1881.7	1853.6	1865.3	1841.8	1841.8
45°	6437.1	4560.1	1968.4	1867.6	1860.6	1858.2	1830.1	1813.7	1804.4	1806.7	1827.8
47.5°	6758.1	4621.0	1895.7	1823.1	1827.8	1792.6	1785.6	1764.5	1773.9	1787.9	1790.3
50°	6985.4	4749.9	1839.5	1771.5	1787.9	1764.5	1722.3	1713.0	1713.0	1736.4	1731.7
52.5°	7144.8	4930.3	1785.6	1715.3	1722.3	1703.6	1689.5	1668.4	1654.4	1687.2	1703.6
55°	7632.2	5230.3	1771.5	1668.4	1666.1	1647.3	1621.6	1600.5	1593.5	1598.1	1630.9
57.5°	7585.3	5136.5	1727.0	1586.4	1581.7	1556.0	1530.2	1523.2	1520.8	1525.5	1534.9
60°	6158.2	3793.8	1541.9	1492.7	1485.7	1481.0	1455.2	1427.1	1413.0	1427.1	1415.4
62.5°	4075.0	2540.2	1359.1	1380.2	1384.9	1373.2	1331.0	1302.9	1307.6	1324.0	1298.2
65°	2001.2	1492.7	1232.6	1288.8	1293.5	1260.7	1220.9	1188.1	1171.7	1185.7	1174.0
67.5°	1143.5	1141.2	1129.5	1188.1	1185.7	1152.9	1089.6	1061.5	1033.4	1038.1	1031.1
70°	970.1	988.9	1012.3	1047.5	1045.1	1007.6	932.6	911.5	871.7	867.0	855.3
72.5°	763.9	796.7	848.3	874.1	853.0	806.1	756.9	721.7	686.6	665.5	672.5
75°	567.1	613.9	642.1	658.5	625.7	599.9	560.1	517.9	475.7	456.9	449.9
77.5°	412.4	426.5	452.3	464.0	442.9	417.1	393.7	351.5	311.7	285.9	278.9
80°	288.2	297.6	316.3	316.3	316.3	304.6	274.2	232.0	206.2	182.8	178.1
82.5°	201.5	210.9	229.6	220.3	217.9	203.9	185.1	152.3	124.2	107.8	103.1
85°	70.3	77.3	93.7	112.5	119.5	117.2	105.4	84.4	65.6	53.9	49.2
87.5°	16.4	16.4	18.7	16.4	16.4	18.7	16.4	16.4	16.4	11.7	9.4
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)