

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: P942459

Luminaire Tested: **GALN-SB6C-722-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942459
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6C-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37080 lumens
Efficiency: N/A
Efficacy: 123.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 300.9
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



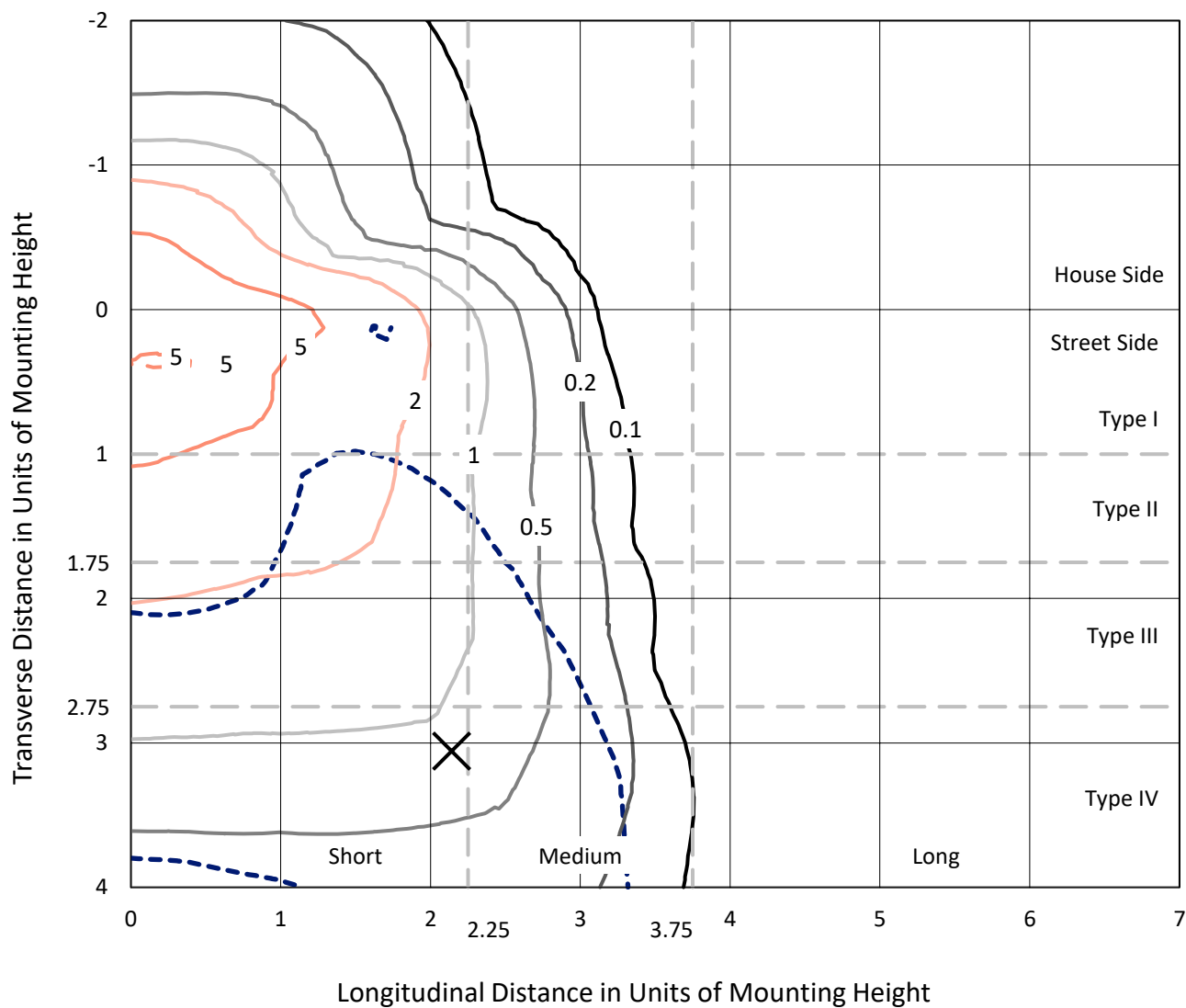
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



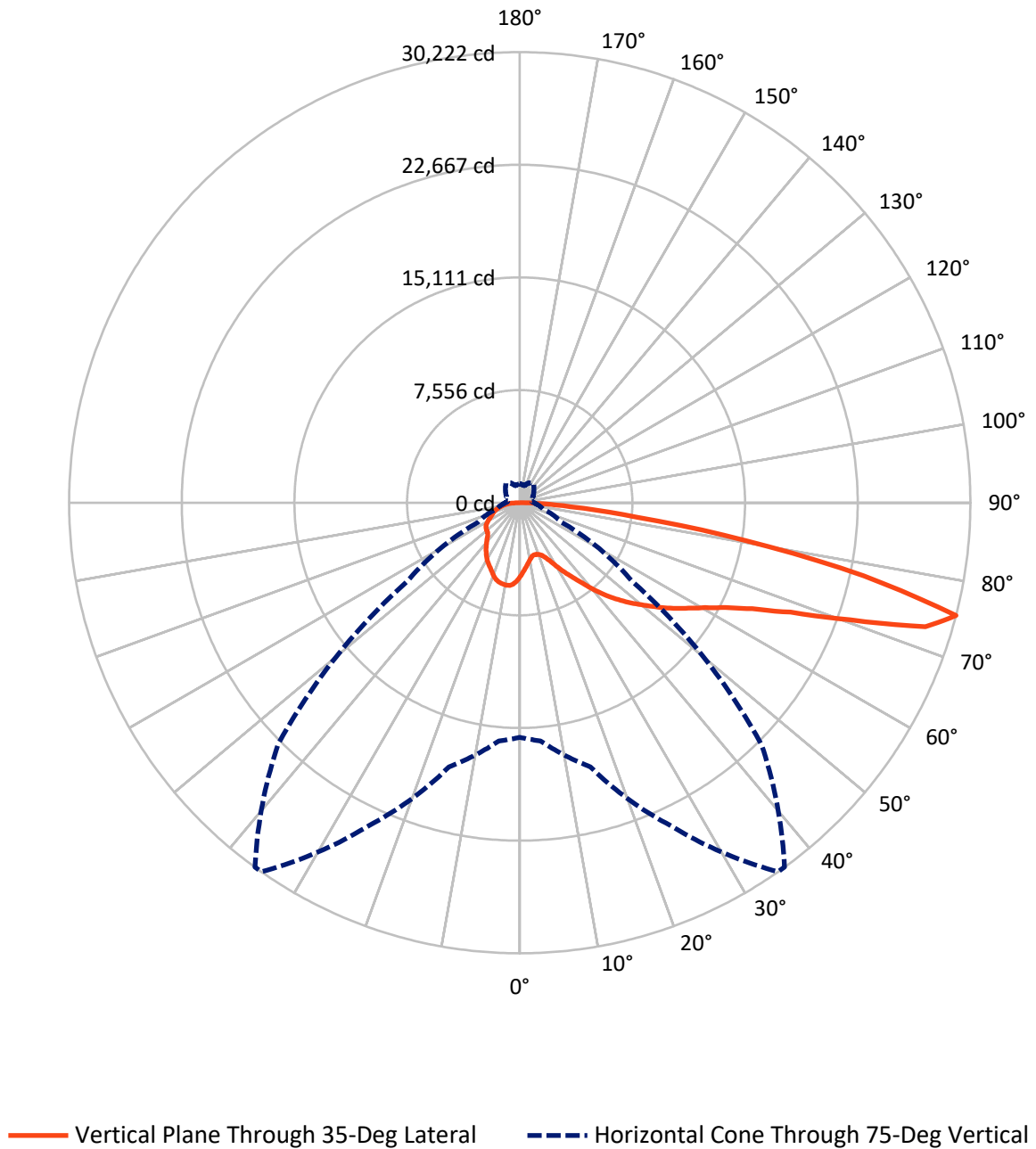
Based on 25 foot mounting height. Maximum calculated value = 8.7 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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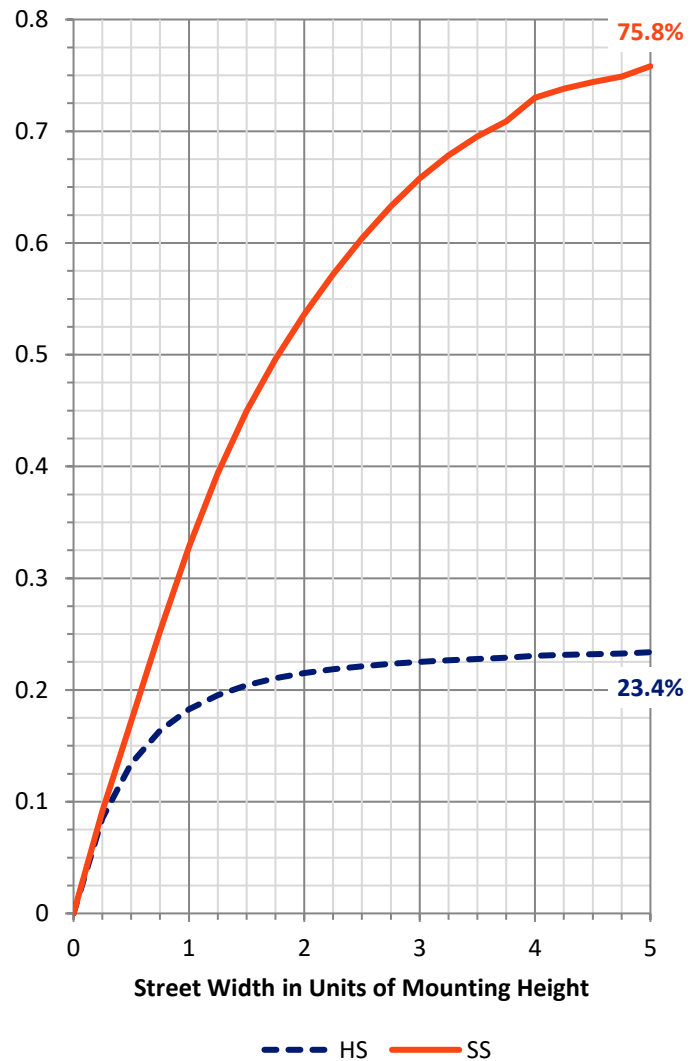
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8824.1	0.0	8824.1
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	28255.9	0.0	28255.9
	% Fixture	76.2	0.0	76.2
Total	Lumens	37080.0	0.0	37080.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	467.8	1.3
10°-20°	1349.4	3.6
20°-30°	2266.0	6.1
30°-40°	3521.7	9.5
40°-50°	5227.2	14.1
50°-60°	7216.4	19.5
60°-70°	8755.2	23.6
70°-80°	7235.5	19.5
80°-90°	1040.7	2.8
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°	37080.0	100.0
0°-180°	37080.0	100.0

Coefficient of Utilization



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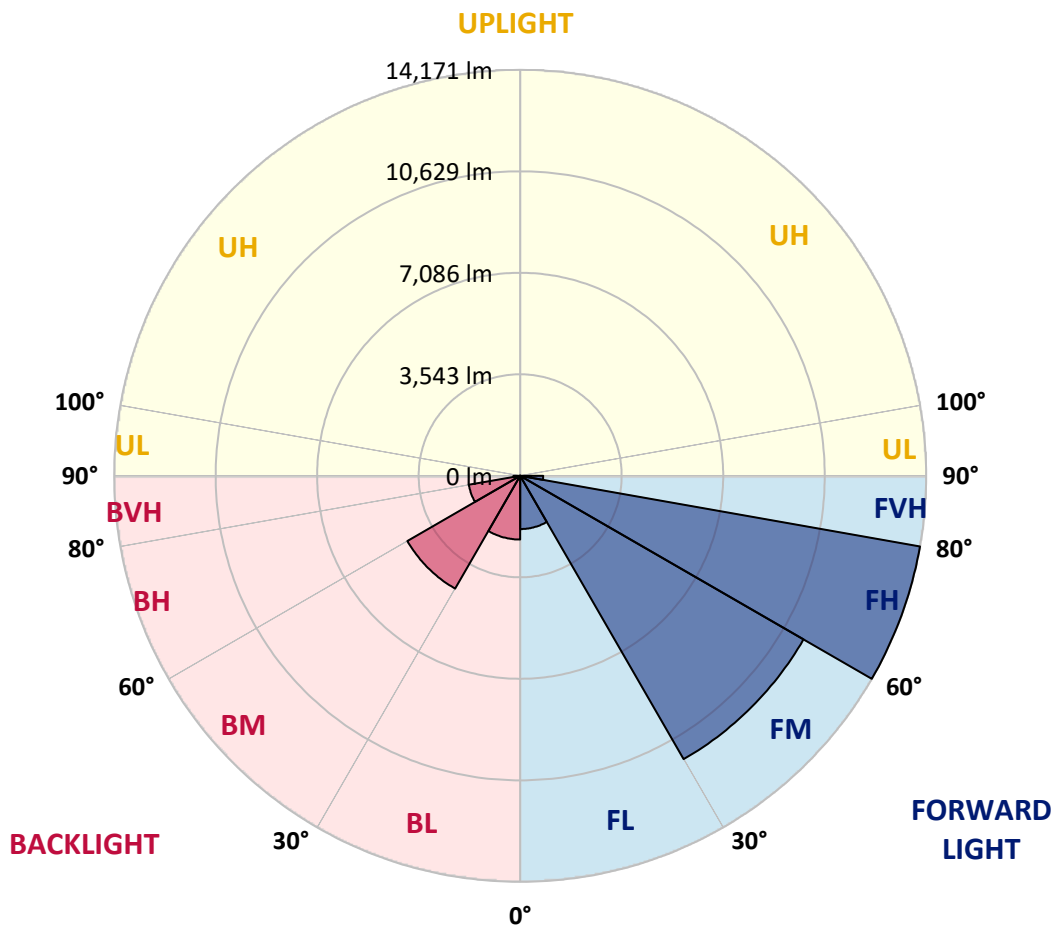
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1859.5	5.0			
FM	(30°-60°)	11418.6	30.8			
FH	(60°-80°)	14171.4	38.2			G5
FVH	(80°-90°)	806.3	2.2			G5
BL	(0°-30°)	2223.8	6.0	B3/2500		
BM	(30°-60°)	4546.7	12.3	B3/5000		
BH	(60°-80°)	1819.3	4.9	B3/2500		G3/2500
BVH	(80°-90°)	234.3	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	4941.2	4941.2	4941.2	4941.2	4941.2	4941.2	4941.2	4941.2	4941.2	4941.2	4941.2
2.5°	4556.3	4584.4	4596.4	4590.4	4620.4	4616.4	4658.5	4710.6	4782.8	4853.0	4955.2
5°	4205.5	4235.6	4261.6	4285.7	4343.8	4361.9	4428.0	4528.2	4660.5	4794.8	4963.2
7.5°	3878.8	3904.8	3944.9	3989.0	4087.2	4105.3	4215.5	4371.9	4556.3	4752.7	4985.3
10°	3612.2	3638.2	3680.3	3730.4	3852.7	3874.8	4015.1	4223.5	4464.1	4712.6	5009.3
12.5°	3497.9	3505.9	3530.0	3580.1	3686.3	3700.4	3854.7	4093.2	4373.9	4682.6	5045.4
15°	3491.9	3507.9	3509.9	3536.0	3624.2	3630.2	3772.5	4009.1	4317.8	4676.6	5099.5
17.5°	3552.0	3564.1	3546.0	3562.0	3636.2	3646.2	3758.5	3969.0	4299.7	4702.6	5191.7
20°	3712.4	3722.4	3668.3	3646.2	3700.4	3708.4	3818.6	3995.0	4317.8	4756.7	5318.0
22.5°	4053.2	4059.2	3926.9	3836.7	3840.7	3844.7	3940.9	4101.3	4387.9	4855.0	5478.4
25°	4584.4	4580.3	4369.9	4195.5	4095.3	4073.2	4137.3	4273.7	4506.2	4985.3	5684.8
27.5°	5205.8	5175.7	4965.2	4704.6	4486.1	4454.1	4440.0	4498.2	4674.6	5157.6	5937.4
30°	5907.3	5879.3	5652.8	5312.0	5009.3	4957.2	4824.9	4794.8	4925.1	5392.2	6288.2
32.5°	6677.1	6659.0	6388.4	5975.5	5570.6	5510.4	5287.9	5207.8	5310.0	5747.0	6777.3
35°	7322.5	7306.5	7082.0	6657.0	6161.9	6087.8	5861.2	5771.0	5823.2	6202.0	7416.8
37.5°	7905.9	7897.8	7705.4	7370.6	6859.5	6769.3	6514.7	6484.6	6474.6	6801.4	8192.5
40°	8447.1	8427.0	8226.6	8050.2	7671.3	7589.1	7364.6	7338.6	7262.4	7539.0	9070.5
42.5°	9046.4	8994.3	8703.7	8621.5	8519.2	8451.1	8316.8	8320.8	8152.4	8370.9	10000.6
45°	9535.5	9505.5	9206.8	9158.7	9268.9	9240.9	9357.1	9387.2	9060.5	9242.9	10966.8
47.5°	10060.7	10032.7	9780.1	9746.0	10044.7	10052.7	10463.6	10473.7	9946.5	10148.9	11935.0
50°	10708.2	10668.1	10417.5	10459.6	10794.4	10824.4	11576.1	11508.0	10762.3	11069.0	12895.1
52.5°	11135.2	11159.2	11105.1	11173.2	11630.3	11658.3	12670.6	12496.2	11570.1	11977.1	13837.3
55°	11449.9	11498.0	11666.4	11822.7	12512.3	12540.3	13703.0	13436.3	12239.6	12819.0	14723.3
57.5°	11854.8	11786.6	12101.3	12406.0	13350.2	13424.3	14707.2	14342.4	12833.0	13544.6	15330.6
60°	12436.1	12388.0	12632.5	13083.6	14288.3	14406.5	15769.6	15158.2	13268.0	14119.9	15448.9
62.5°	13614.8	13494.5	13532.6	13931.5	15470.9	15627.3	16968.3	15869.8	13484.5	14344.4	14815.5
65°	15376.7	15170.3	14977.8	15254.5	17136.7	17291.1	18321.4	16429.1	13404.3	13909.4	13133.7
67.5°	17595.7	17391.3	17154.7	17415.3	19590.2	19712.5	19991.2	16743.8	12772.9	12233.6	10161.0
70°	19425.9	19349.7	19632.3	20704.8	23509.1	23513.1	22132.0	16483.2	11042.9	8673.6	5879.3
72.5°	19183.3	19137.2	20626.6	23942.1	28448.3	28342.0	24158.6	14510.8	7438.8	3912.8	2203.0
75°	15737.5	16036.2	18343.4	23883.9	30222.3	30208.2	22917.8	9224.8	3077.0	1621.7	1138.6
77.5°	8439.1	8912.1	11908.9	17633.8	23593.3	23948.1	16112.4	3227.3	1321.0	1038.3	787.8
80°	2752.2	3165.1	4746.7	8978.3	15330.6	15264.5	6905.6	1266.9	904.0	735.7	545.2
82.5°	1168.6	1216.7	2120.8	4239.6	7867.8	7745.5	2199.0	727.6	635.4	503.1	336.8
85°	457.0	511.2	936.1	1960.4	3407.7	3333.5	793.8	360.8	406.9	328.7	200.5
87.5°	150.3	182.4	334.8	671.5	1060.4	1022.3	194.4	124.3	176.4	150.3	72.2
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°	4941.2	4941.2	4941.2	4941.2	4941.2	4941.2	4941.2	4941.2	4941.2	4941.2	4941.2
2.5°	4983.3	5015.3	5053.4	5109.5	5157.6	5197.7	5239.8	5265.9	5275.9	5306.0	5304.0
5°	5019.3	5089.5	5183.7	5275.9	5366.1	5420.2	5468.4	5492.4	5514.5	5530.5	5534.5
7.5°	5079.5	5169.7	5318.0	5438.3	5514.5	5558.6	5590.6	5582.6	5590.6	5594.6	5600.7
10°	5131.6	5257.9	5434.3	5548.5	5606.7	5608.7	5600.7	5572.6	5558.6	5560.6	5564.6
12.5°	5193.7	5334.0	5524.5	5620.7	5636.7	5592.6	5558.6	5510.4	5492.4	5484.4	5480.4
15°	5277.9	5438.3	5622.7	5658.8	5618.7	5562.6	5504.4	5426.3	5386.2	5354.1	5364.1
17.5°	5380.2	5556.6	5698.9	5672.8	5586.6	5494.4	5400.2	5281.9	5199.7	5165.7	5167.7
20°	5522.5	5680.8	5757.0	5642.7	5512.5	5372.1	5211.8	5067.4	4991.3	4957.2	4953.2
22.5°	5694.9	5847.2	5813.1	5590.6	5406.2	5181.7	4981.3	4875.0	4836.9	4812.9	4816.9
25°	5901.3	6031.6	5853.2	5514.5	5231.8	4929.1	4774.8	4740.7	4722.7	4704.6	4704.6
27.5°	6169.9	6240.1	5883.3	5402.2	4959.2	4660.5	4604.4	4610.4	4604.4	4574.3	4580.3
30°	6524.7	6510.7	5911.4	5219.8	4646.5	4418.0	4422.0	4448.0	4452.1	4432.0	4442.0
32.5°	6991.8	6849.5	5925.4	4983.3	4347.8	4205.5	4209.5	4237.6	4257.6	4223.5	4239.6
35°	7557.1	7244.4	5903.3	4686.6	4117.3	4003.0	3973.0	3981.0	3987.0	3954.9	3977.0
37.5°	8216.6	7687.4	5805.1	4357.8	3926.9	3804.6	3740.4	3686.3	3654.3	3624.2	3644.2
40°	8940.2	8170.5	5624.7	4037.1	3714.4	3594.1	3497.9	3395.7	3287.4	3247.3	3265.4
42.5°	9697.9	8667.6	5406.2	3730.4	3469.8	3371.6	3269.4	3121.0	2958.7	2876.5	2886.5
45°	10483.7	9176.7	5191.7	3427.7	3219.3	3177.2	3058.9	2880.5	2704.1	2599.9	2591.9
47.5°	11253.4	9657.8	4877.0	3123.1	2984.7	3030.8	2938.6	2774.3	2577.8	2413.5	2395.4
50°	11989.1	10108.8	4361.9	2814.4	2794.3	2986.7	2898.5	2662.0	2437.5	2227.0	2209.0
52.5°	12718.7	10473.7	3702.4	2533.7	2692.1	2974.7	2846.4	2585.8	2311.2	2090.7	2066.7
55°	13338.1	10662.1	3066.9	2293.2	2543.7	2872.5	2784.3	2495.6	2132.8	1898.3	1878.2
57.5°	13690.9	10509.7	2537.7	2056.6	2339.3	2704.1	2678.0	2303.2	1920.3	1739.9	1715.9
60°	13538.6	9892.3	2104.8	1850.2	2144.8	2521.7	2493.6	2112.8	1758.0	1587.6	1563.5
62.5°	12698.7	8715.7	1762.0	1669.8	1968.4	2335.3	2309.2	1966.4	1633.7	1469.3	1443.3
65°	11006.9	7090.0	1495.4	1519.4	1790.0	2110.8	2148.9	1844.2	1535.5	1375.1	1349.0
67.5°	8395.0	5135.6	1286.9	1389.1	1615.6	1890.3	2000.5	1756.0	1453.3	1300.9	1276.9
70°	4784.8	2916.6	1110.5	1262.9	1461.3	1685.8	1886.3	1685.8	1365.1	1238.8	1222.8
72.5°	1814.1	1339.0	960.2	1136.6	1313.0	1513.4	1760.0	1575.6	1262.9	1168.6	1152.6
75°	968.2	815.8	807.8	988.2	1142.6	1345.0	1601.6	1467.3	1186.7	1234.8	1274.9
77.5°	659.5	577.3	675.5	845.9	956.2	1158.6	1433.2	1302.9	1028.3	1024.3	944.1
80°	457.0	408.9	549.2	681.5	739.7	974.2	1250.8	1118.5	837.9	781.8	747.7
82.5°	274.6	266.6	410.9	509.2	523.2	751.7	1036.3	938.1	685.5	597.3	601.4
85°	150.3	158.4	262.6	298.7	304.7	525.2	811.8	725.6	527.2	443.0	447.0
87.5°	42.1	54.1	96.2	118.3	146.3	272.6	483.1	431.0	264.6	184.4	184.4
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)