

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: P942289

Luminaire Tested: **GALN-SB6B-722-U-T4FT**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942289
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-SB6B-722-U-T4FT
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27880 lumens
Efficiency: N/A
Efficacy: 126.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 220.4
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



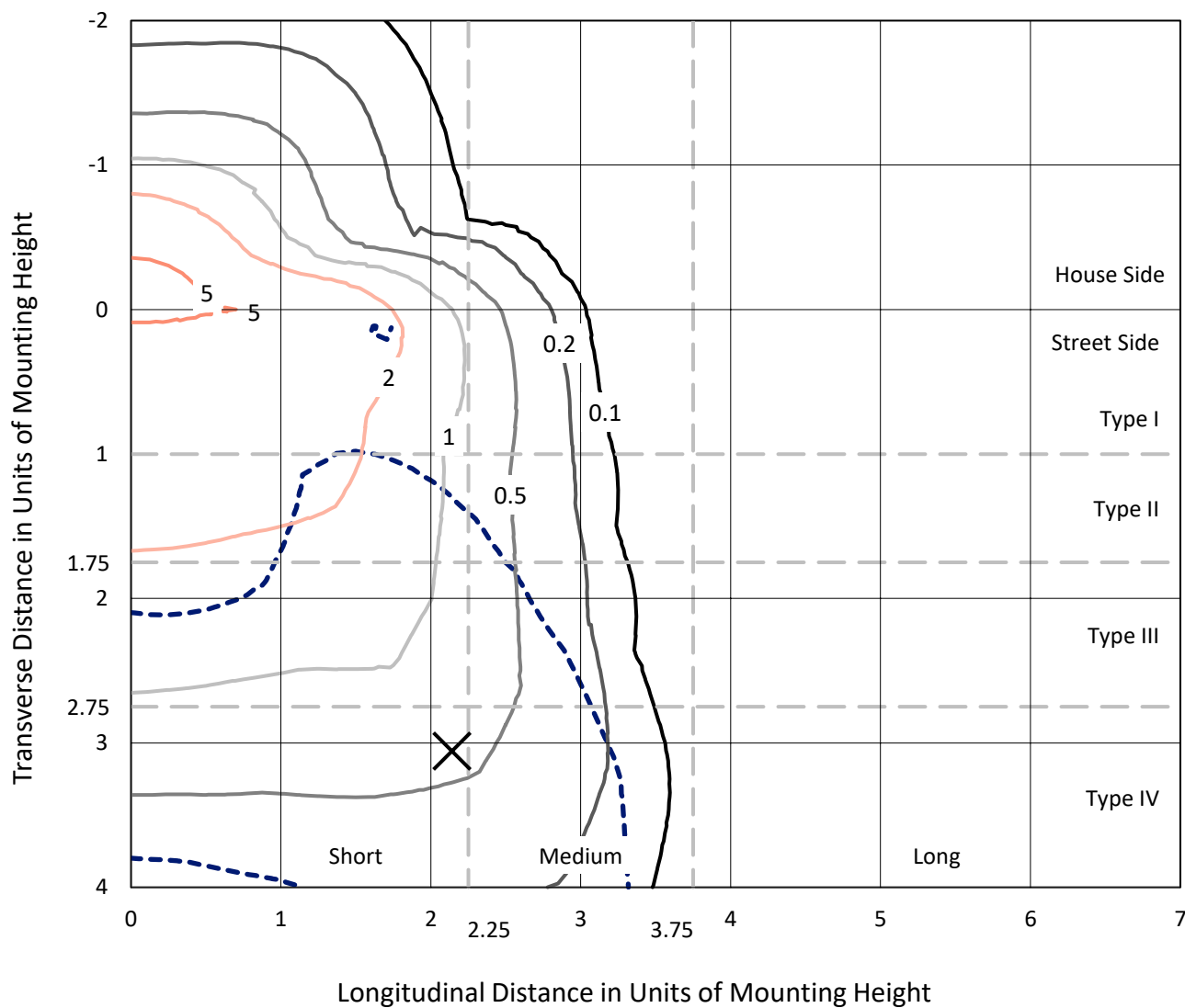
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



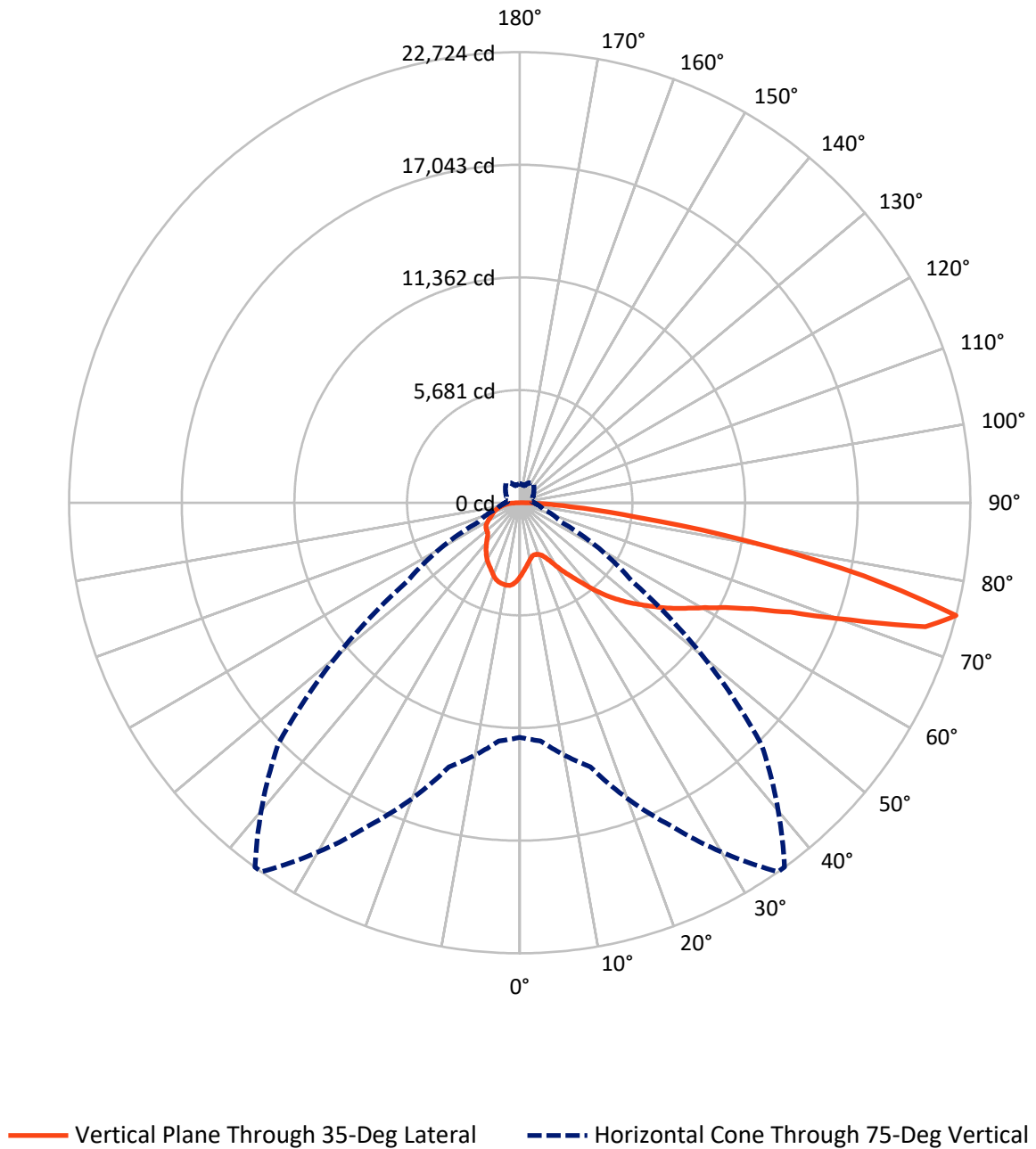
Based on 25 foot mounting height. Maximum calculated value = 6.6 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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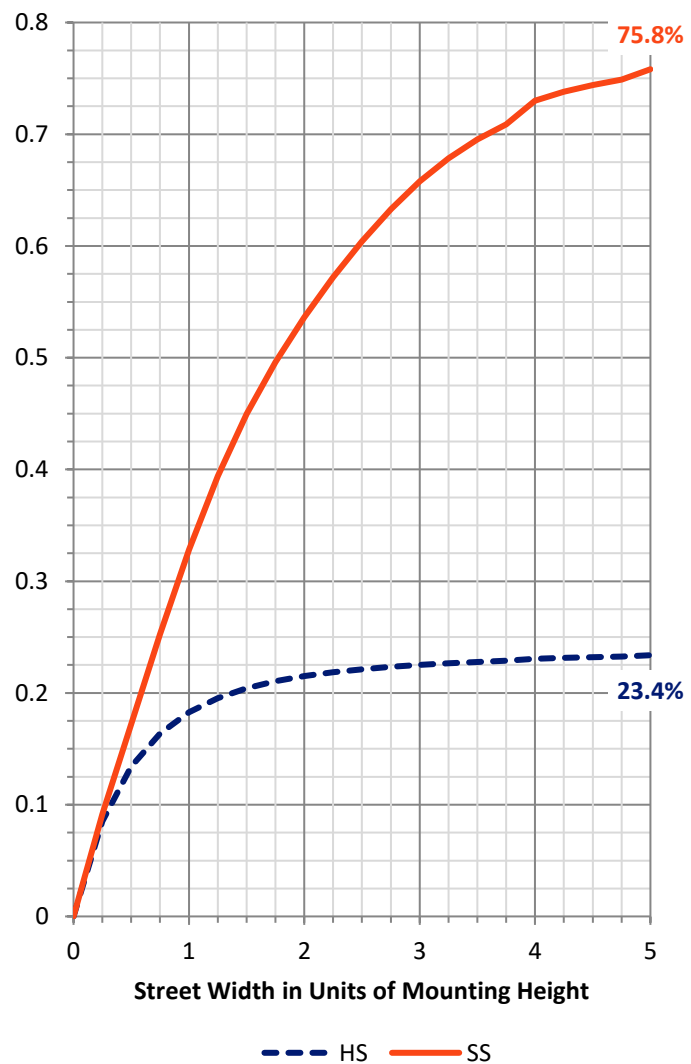
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6634.7	0.0	6634.7
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	21245.3	0.0	21245.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	27880.0	0.0	27880.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.8	1.3
10°-20°	1014.6	3.6
20°-30°	1703.8	6.1
30°-40°	2647.9	9.5
40°-50°	3930.3	14.1
50°-60°	5426.0	19.5
60°-70°	6582.9	23.6
70°-80°	5440.3	19.5
80°-90°	782.5	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°	27880.0	100.0
0°-180°	27880.0	100.0

Coefficient of Utilization



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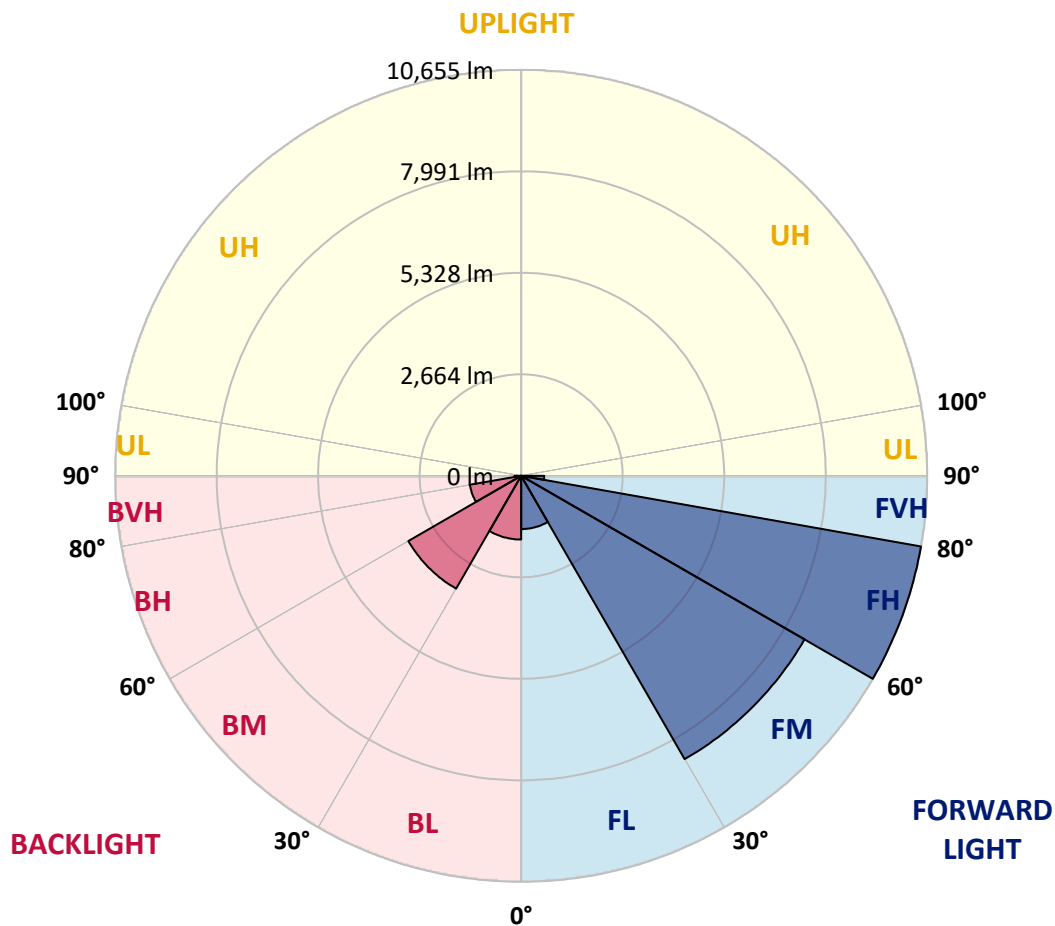
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1398.1	5.0			
FM	(30°-60°)	8585.5	30.8			
FH	(60°-80°)	10655.3	38.2			G4/12000
FVH	(80°-90°)	606.3	2.2			G4/750
BL	(0°-30°)	1672.0	6.0	B3/2500		
BM	(30°-60°)	3418.6	12.3	B3/5000		
BH	(60°-80°)	1367.9	4.9	B3/2500		G3/2500
BVH	(80°-90°)	176.2	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°	85°
0°	3715.2	3715.2	3715.2	3715.2	3715.2	3715.2	3715.2	3715.2	3715.2	3715.2	3715.2
2.5°	3425.8	3446.9	3456.0	3451.4	3474.0	3471.0	3502.7	3541.9	3596.1	3648.9	3725.7
5°	3162.1	3184.7	3204.3	3222.4	3266.1	3279.6	3329.4	3404.7	3504.2	3605.2	3731.8
7.5°	2916.4	2936.0	2966.1	2999.3	3073.1	3086.7	3169.6	3287.2	3425.8	3573.5	3748.4
10°	2715.9	2735.5	2767.2	2804.9	2896.8	2913.4	3018.9	3175.6	3356.5	3543.4	3766.4
12.5°	2630.0	2636.1	2654.1	2691.8	2771.7	2782.3	2898.3	3077.7	3288.7	3520.8	3793.6
15°	2625.5	2637.6	2639.1	2658.7	2725.0	2729.5	2836.5	3014.4	3246.5	3516.3	3834.3
17.5°	2670.7	2679.8	2666.2	2678.3	2734.0	2741.6	2826.0	2984.2	3232.9	3535.8	3903.6
20°	2791.3	2798.8	2758.1	2741.6	2782.3	2788.3	2871.2	3003.8	3246.5	3576.5	3998.5
22.5°	3047.5	3052.0	2952.6	2884.7	2887.8	2890.8	2963.1	3083.7	3299.2	3650.4	4119.1
25°	3446.9	3443.9	3285.7	3154.5	3079.2	3062.6	3110.8	3213.3	3388.1	3748.4	4274.4
27.5°	3914.1	3891.5	3733.3	3537.4	3373.1	3349.0	3338.4	3382.1	3514.7	3878.0	4464.3
30°	4441.7	4420.6	4250.2	3994.0	3766.4	3727.3	3627.8	3605.2	3703.1	4054.3	4728.0
32.5°	5020.4	5006.9	4803.4	4492.9	4188.5	4143.2	3975.9	3915.7	3992.5	4321.1	5095.8
35°	5505.7	5493.7	5324.9	5005.3	4633.1	4577.3	4407.0	4339.2	4378.4	4663.2	5576.6
37.5°	5944.3	5938.3	5793.6	5541.9	5157.6	5089.7	4898.3	4875.7	4868.2	5113.9	6159.8
40°	6351.3	6336.2	6185.5	6052.8	5768.0	5706.2	5537.4	5517.8	5460.5	5668.5	6820.0
42.5°	6801.9	6762.7	6544.2	6482.4	6405.5	6354.3	6253.3	6256.3	6129.7	6294.0	7519.3
45°	7169.7	7147.0	6922.5	6886.3	6969.2	6948.1	7035.5	7058.1	6812.5	6949.6	8245.8
47.5°	7564.5	7543.4	7353.5	7327.9	7552.5	7558.5	7867.5	7875.0	7478.6	7630.9	8973.7
50°	8051.4	8021.2	7832.8	7864.5	8116.2	8138.8	8704.0	8652.7	8092.0	8322.6	9695.7
52.5°	8372.4	8390.5	8349.8	8401.0	8744.7	8765.8	9526.9	9395.8	8699.4	9005.4	10404.1
55°	8609.0	8645.2	8771.8	8889.3	9407.8	9428.9	10303.1	10102.6	9202.8	9638.4	11070.2
57.5°	8913.5	8862.2	9098.8	9327.9	10037.8	10093.6	11058.2	10783.9	9649.0	10184.0	11526.9
60°	9350.5	9314.4	9498.2	9837.4	10743.2	10832.1	11857.0	11397.3	9976.0	10616.6	11615.8
62.5°	10236.8	10146.3	10175.0	10474.9	11632.4	11750.0	12758.3	11932.3	10138.8	10785.4	11139.6
65°	11561.6	11406.3	11261.6	11469.6	12884.9	13000.9	13775.6	12352.8	10078.5	10458.3	9875.0
67.5°	13230.0	13076.3	12898.4	13094.4	14729.7	14821.6	15031.1	12589.5	9603.8	9198.3	7639.9
70°	14606.1	14548.8	14761.3	15567.7	17676.2	17679.2	16640.8	12393.5	8303.1	6521.6	4420.6
72.5°	14423.7	14389.0	15508.9	18001.8	21389.9	21310.0	18164.5	10910.5	5593.1	2942.0	1656.4
75°	11832.9	12057.4	13792.2	17958.0	22723.8	22713.2	17231.6	6936.0	2313.5	1219.3	856.1
77.5°	6345.2	6700.9	8954.2	13258.7	17739.5	18006.3	12114.7	2426.6	993.2	780.7	592.3
80°	2069.4	2379.8	3569.0	6750.7	11526.9	11477.2	5192.2	952.5	679.7	553.1	410.0
82.5°	878.7	914.9	1594.6	3187.7	5915.7	5823.7	1653.4	547.1	477.8	378.3	253.2
85°	343.6	384.3	703.9	1474.0	2562.2	2506.4	596.8	271.3	306.0	247.2	150.7
87.5°	113.0	137.2	251.7	504.9	797.3	768.7	146.2	93.4	132.6	113.0	54.3
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°	3715.2	3715.2	3715.2	3715.2	3715.2	3715.2	3715.2	3715.2	3715.2	3715.2	3715.2
2.5°	3746.8	3771.0	3799.6	3841.8	3878.0	3908.1	3939.8	3959.4	3966.9	3989.5	3988.0
5°	3774.0	3826.7	3897.6	3966.9	4034.7	4075.4	4111.6	4129.7	4146.3	4158.3	4161.3
7.5°	3819.2	3887.0	3998.5	4089.0	4146.3	4179.4	4203.5	4197.5	4203.5	4206.5	4211.1
10°	3858.4	3953.3	4086.0	4171.9	4215.6	4217.1	4211.1	4190.0	4179.4	4180.9	4183.9
12.5°	3905.1	4010.6	4153.8	4226.1	4238.2	4205.0	4179.4	4143.2	4129.7	4123.6	4120.6
15°	3968.4	4089.0	4227.6	4254.8	4224.6	4182.4	4138.7	4079.9	4049.8	4025.7	4033.2
17.5°	4045.3	4177.9	4284.9	4265.3	4200.5	4131.2	4060.3	3971.4	3909.6	3884.0	3885.5
20°	4152.3	4271.3	4328.6	4242.7	4144.7	4039.2	3918.7	3810.2	3752.9	3727.3	3724.2
22.5°	4281.9	4396.4	4370.8	4203.5	4064.9	3896.1	3745.3	3665.5	3636.8	3618.7	3621.8
25°	4437.1	4535.1	4401.0	4146.3	3933.7	3706.2	3590.1	3564.5	3550.9	3537.4	3537.4
27.5°	4639.1	4691.9	4423.6	4061.8	3728.8	3504.2	3462.0	3466.5	3462.0	3439.4	3443.9
30°	4905.9	4895.3	4444.7	3924.7	3493.6	3321.8	3324.8	3344.4	3347.4	3332.4	3339.9
32.5°	5257.0	5150.0	4455.2	3746.8	3269.1	3162.1	3165.1	3186.2	3201.3	3175.6	3187.7
35°	5682.1	5446.9	4438.6	3523.8	3095.7	3009.8	2987.2	2993.3	2997.8	2973.7	2990.2
37.5°	6177.9	5780.0	4364.8	3276.6	2952.6	2860.6	2812.4	2771.7	2747.6	2725.0	2740.1
40°	6722.0	6143.3	4229.1	3035.5	2792.8	2702.4	2630.0	2553.2	2471.8	2441.6	2455.2
42.5°	7291.7	6517.0	4064.9	2804.9	2608.9	2535.1	2458.2	2346.7	2224.6	2162.8	2170.3
45°	7882.6	6899.9	3903.6	2577.3	2420.5	2388.9	2300.0	2165.8	2033.2	1954.8	1948.8
47.5°	8461.3	7261.6	3667.0	2348.2	2244.2	2278.9	2209.5	2085.9	1938.2	1814.6	1801.1
50°	9014.4	7600.7	3279.6	2116.1	2101.0	2245.7	2179.4	2001.5	1832.7	1674.5	1660.9
52.5°	9563.1	7875.0	2783.8	1905.1	2024.1	2236.7	2140.2	1944.3	1737.8	1572.0	1553.9
55°	10028.8	8016.7	2306.0	1724.2	1912.6	2159.8	2093.5	1876.4	1603.6	1427.3	1412.2
57.5°	10294.0	7902.1	1908.1	1546.4	1758.9	2033.2	2013.6	1731.7	1443.9	1308.2	1290.1
60°	10179.5	7437.9	1582.5	1391.1	1612.7	1896.0	1874.9	1588.6	1321.8	1193.7	1175.6
62.5°	9548.0	6553.2	1324.8	1255.5	1480.1	1755.9	1736.3	1478.5	1228.4	1104.8	1085.2
65°	8275.9	5330.9	1124.4	1142.4	1345.9	1587.1	1615.7	1386.6	1154.5	1033.9	1014.3
67.5°	6312.1	3861.4	967.6	1044.5	1214.8	1421.3	1504.2	1320.3	1092.7	978.2	960.1
70°	3597.6	2192.9	835.0	949.5	1098.7	1267.5	1418.3	1267.5	1026.4	931.4	919.4
72.5°	1364.0	1006.8	721.9	854.6	987.2	1137.9	1323.3	1184.6	949.5	878.7	866.6
75°	728.0	613.4	607.4	743.0	859.1	1011.3	1204.2	1103.3	892.3	928.4	958.6
77.5°	495.9	434.1	507.9	636.0	718.9	871.2	1077.6	979.7	773.2	770.2	709.9
80°	343.6	307.5	413.0	512.4	556.1	732.5	940.5	841.0	630.0	587.8	562.2
82.5°	206.5	200.5	309.0	382.8	393.4	565.2	779.2	705.4	515.5	449.1	452.2
85°	113.0	119.1	197.4	224.6	229.1	394.9	610.4	545.6	396.4	333.1	336.1
87.5°	31.7	40.7	72.3	88.9	110.0	205.0	363.2	324.0	198.9	138.7	138.7
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)