

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: P952344

Luminaire Tested: **GALN-SB6B-722-U-T3R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952344
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-6)
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-T3R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23485 lumens
Efficiency: N/A
Efficacy: 106.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - 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



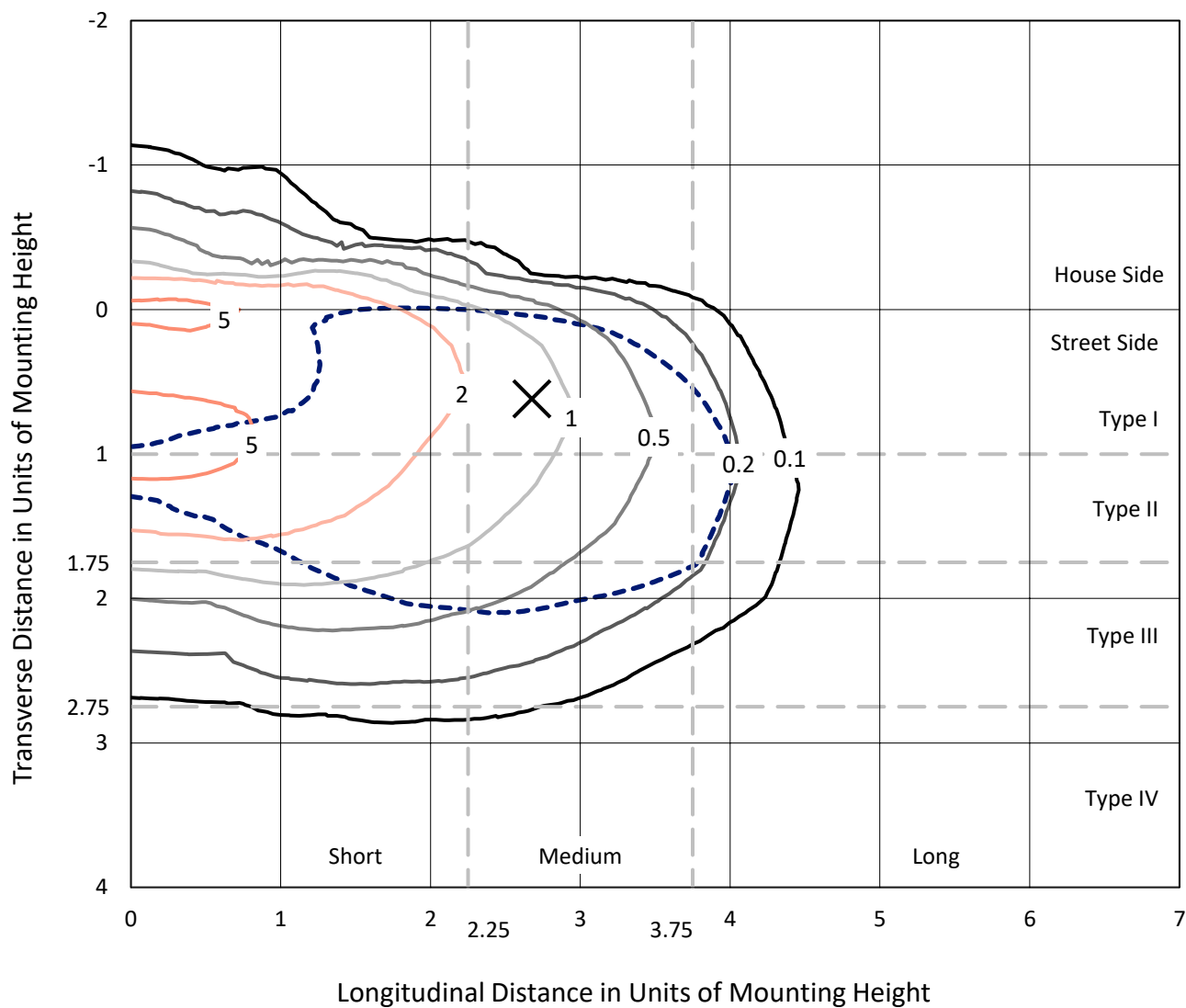
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

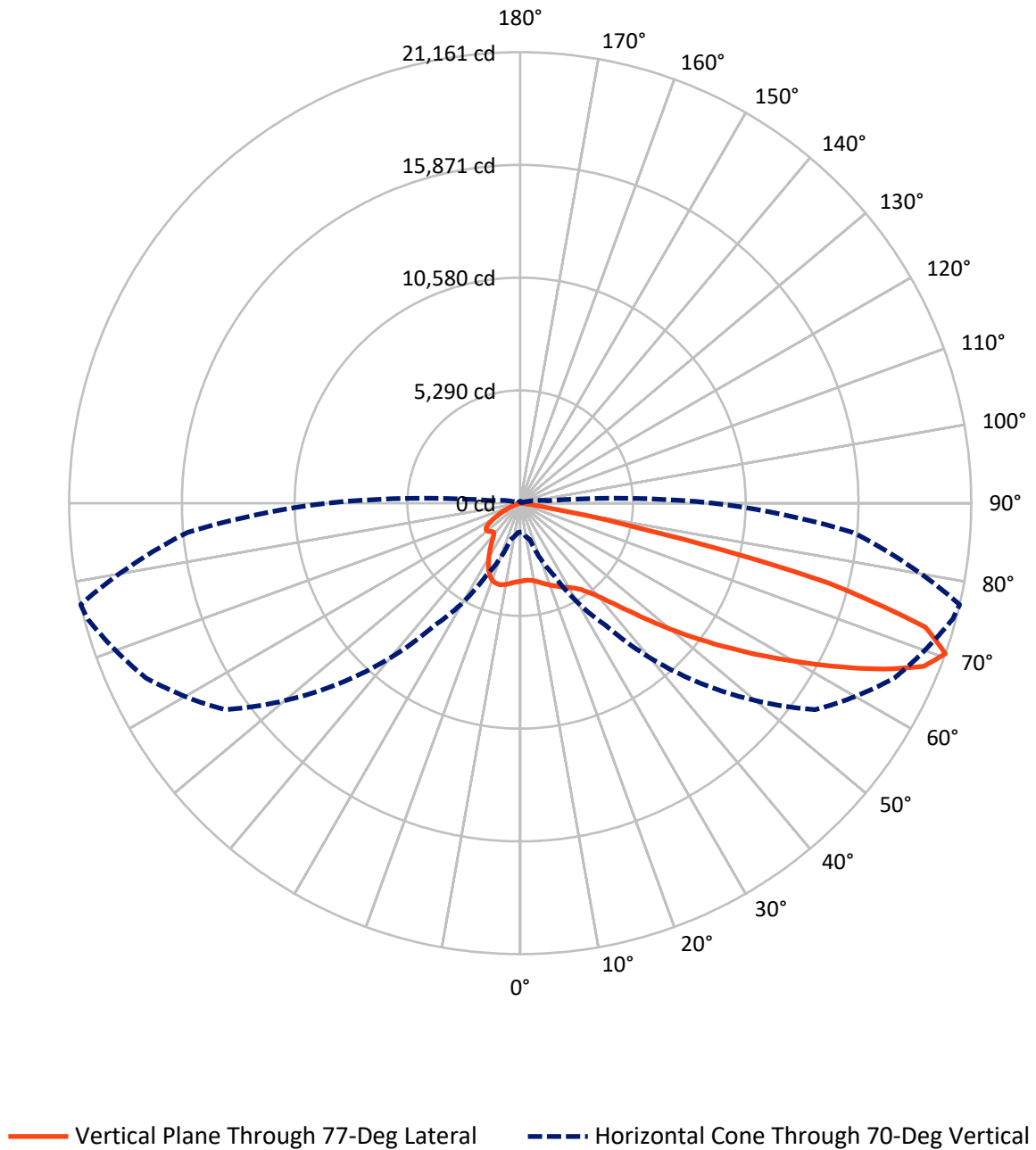
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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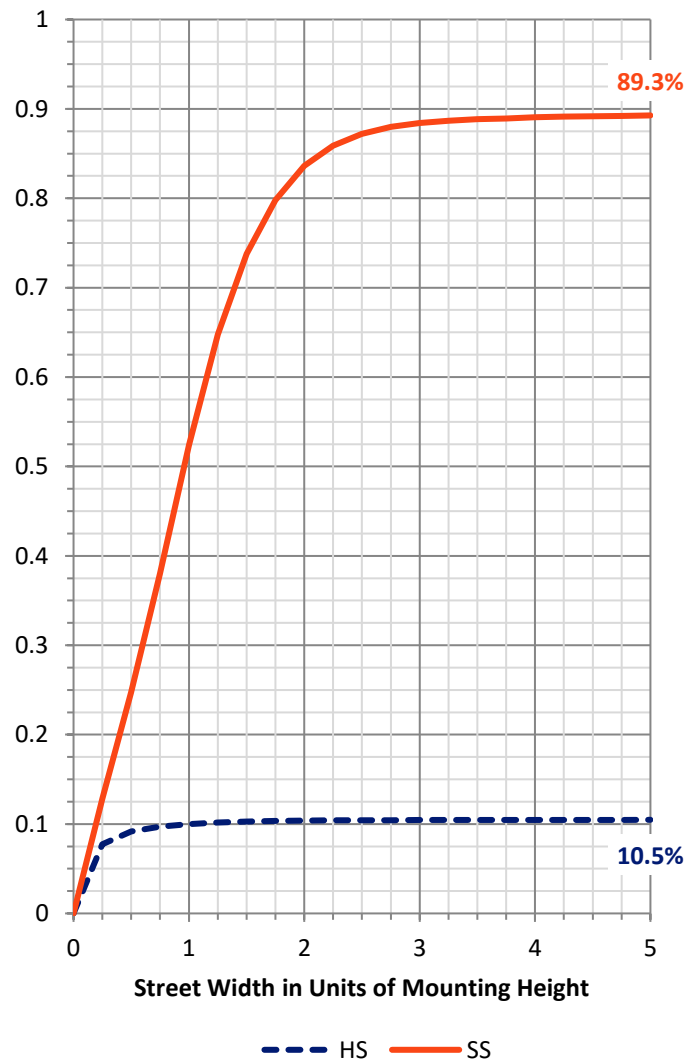
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2475.7	0.0	2475.7
	% Fixture	10.5	0.0	10.5
Street Side	Lumens	21009.3	0.0	21009.3
	% Fixture	89.5	0.0	89.5
Total	Lumens	23485.0	0.0	23485.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.7	1.3
10°-20°	749.5	3.2
20°-30°	1159.2	4.9
30°-40°	2103.5	9.0
40°-50°	3970.5	16.9
50°-60°	5737.1	24.4
60°-70°	6107.0	26.0
70°-80°	3236.3	13.8
80°-90°	106.3	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°	23485.0	100.0
0°-180°	23485.0	100.0

Coefficient of Utilization



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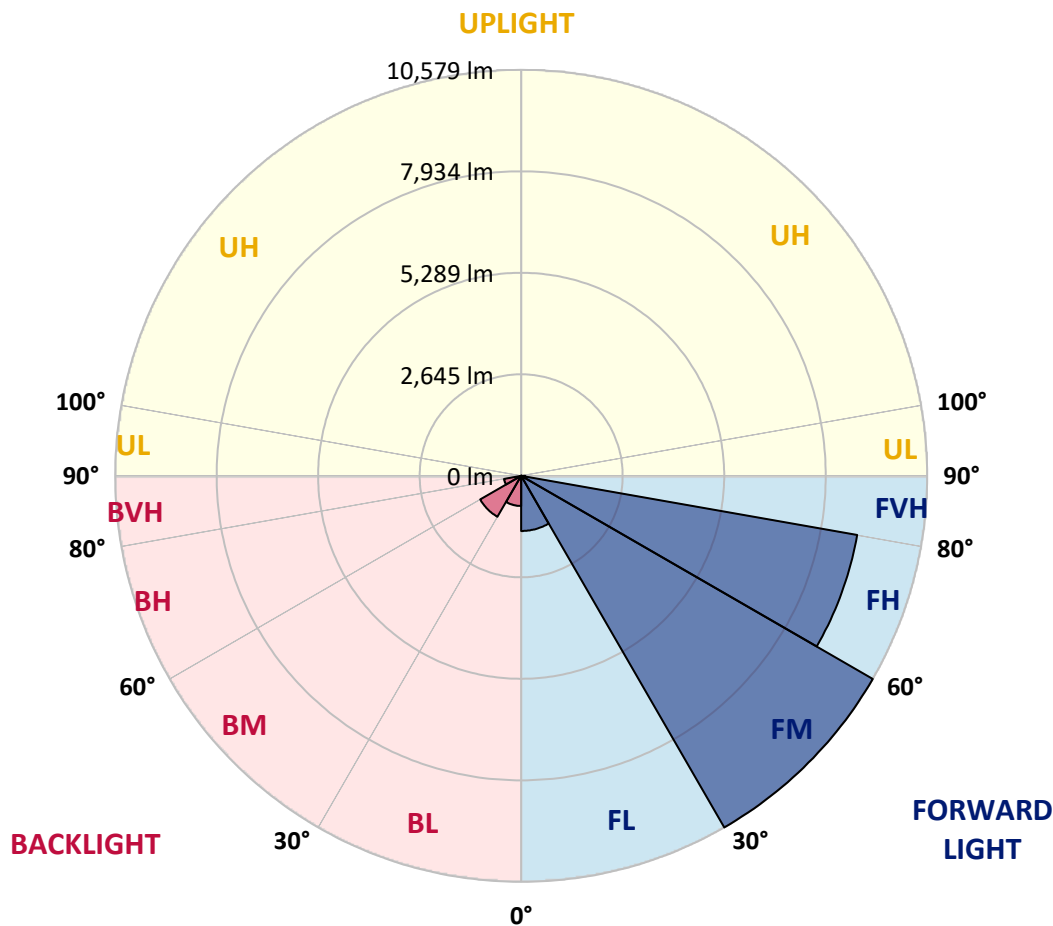
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1437.8	6.1			
FM	(30°-60°)	10578.7	45.0			
FH	(60°-80°)	8889.4	37.9			G4/12000
FVH	(80°-90°)	103.4	0.4			G2/225
BL	(0°-30°)	786.6	3.3	B2/1000		
BM	(30°-60°)	1232.4	5.2	B2/2500		
BH	(60°-80°)	453.9	1.9	B1/500		G1/500
BVH	(80°-90°)	2.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2
2.5°	3439.3	3470.4	3466.0	3486.7	3494.2	3523.8	3553.5	3593.5	3638.0	3636.5	3666.2
5°	3245.0	3276.1	3283.6	3311.7	3347.3	3393.3	3454.1	3534.2	3617.3	3630.6	3689.9
7.5°	3015.1	3047.8	3067.0	3123.4	3188.6	3283.6	3382.9	3500.1	3638.0	3657.3	3771.5
10°	2785.2	2814.9	2840.1	2920.2	3024.0	3164.9	3326.6	3495.6	3681.0	3709.2	3870.9
12.5°	2642.9	2671.0	2699.2	2768.9	2898.0	3070.0	3289.5	3516.4	3752.2	3792.3	4005.8
15°	2592.4	2617.7	2639.9	2702.2	2822.3	3018.1	3282.1	3559.4	3842.7	3896.1	4169.0
17.5°	2599.9	2613.2	2628.0	2675.5	2792.7	2994.4	3295.4	3633.6	3949.5	3996.9	4332.1
20°	2642.9	2650.3	2651.8	2684.4	2788.2	2991.4	3322.1	3704.8	4050.3	4114.1	4493.8
22.5°	2697.7	2700.7	2697.7	2720.0	2816.4	3013.6	3357.7	3790.8	4163.0	4222.4	4656.9
25°	2954.3	2898.0	2826.8	2783.8	2863.8	3056.7	3411.1	3906.5	4286.1	4344.0	4815.6
27.5°	3750.7	3589.1	3334.0	3047.8	2961.7	3118.9	3485.3	4023.6	4410.7	4462.6	4986.2
30°	5044.0	4831.9	4398.8	3753.7	3276.1	3249.5	3581.7	4140.8	4542.7	4599.1	5168.6
32.5°	6340.2	6288.3	5788.5	4895.7	3983.6	3540.1	3741.8	4299.5	4717.7	4762.2	5414.8
35°	7651.3	7546.0	7136.6	6254.2	5073.7	4131.9	4008.8	4507.1	4947.6	4998.0	5773.7
37.5°	8655.3	8591.5	8337.9	7611.2	6366.9	5045.5	4465.6	4828.9	5281.3	5337.6	6233.4
40°	9542.2	9512.5	9426.5	8947.5	7812.9	6240.8	5176.0	5327.3	5744.0	5810.8	6797.0
42.5°	10239.3	10309.0	10357.9	10224.4	9303.4	7605.3	6131.1	6027.3	6389.2	6457.4	7514.8
45°	10952.6	10976.4	11173.6	11366.4	10783.6	9032.0	7207.8	6847.4	7191.5	7276.0	8375.0
47.5°	11410.9	11505.8	11852.9	12192.5	12027.9	10446.9	8364.6	7815.9	8121.4	8280.1	9339.0
50°	11445.0	11624.5	12102.0	12693.8	12934.0	11793.5	9622.3	8919.3	9244.1	9419.1	10368.3
52.5°	10877.0	11155.8	11895.9	12762.0	13423.5	12934.0	10923.0	10022.7	10439.5	10667.9	11436.1
55°	8339.4	8704.3	11120.2	12391.2	13442.7	13798.7	12189.5	11172.1	11771.3	12029.4	12590.0
57.5°	7265.7	7449.6	8742.8	11747.6	13085.3	14147.2	13334.5	12266.6	13220.3	13540.6	13680.0
60°	6045.1	6286.8	7332.4	10694.6	12600.3	14181.3	14345.9	13678.6	14790.9	15151.3	14679.6
62.5°	4108.2	4370.7	5410.3	8885.2	11937.4	14165.0	15175.0	15132.0	16536.5	16923.6	15526.5
65°	2545.0	2709.6	3394.8	7255.3	11010.5	14182.8	16042.6	16896.9	18378.5	18771.5	16182.0
67.5°	2011.1	2086.7	2444.1	5570.5	9413.2	13782.4	16908.7	18556.4	20112.2	20423.7	16382.2
70°	1351.1	1397.1	1778.2	3734.4	7003.2	11934.4	16892.4	19389.9	21005.0	21160.7	15652.5
72.5°	711.9	747.5	1039.6	1729.3	4229.8	8483.3	14239.2	18393.3	20116.7	19882.3	13379.0
75°	355.9	415.3	700.0	878.0	1806.4	4731.1	8842.2	14501.7	15833.5	14925.8	8584.1
77.5°	269.9	326.3	578.4	578.4	628.8	1592.8	3744.8	7909.3	7295.3	6074.7	2519.8
80°	172.0	222.5	505.7	437.5	262.5	404.9	975.9	2215.7	1549.8	1179.1	458.3
82.5°	100.9	145.3	421.2	289.2	146.8	149.8	275.9	471.6	401.9	312.9	140.9
85°	40.0	94.9	289.2	114.2	57.8	37.1	83.1	100.9	83.1	62.3	35.6
87.5°	0.0	22.2	50.4	0.0	4.4	3.0	5.9	7.4	7.4	5.9	11.9
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°	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2	3663.2
2.5°	3679.5	3682.5	3691.4	3692.9	3672.1	3645.4	3635.1	3630.6	3612.8	3611.3	3614.3
5°	3724.0	3737.4	3724.0	3685.5	3593.5	3464.5	3366.6	3286.5	3213.9	3191.6	3178.3
7.5°	3813.0	3826.4	3786.3	3635.1	3403.7	3147.1	2915.8	2752.6	2605.8	2550.9	2528.7
10°	3940.6	3958.4	3832.3	3526.8	3117.5	2705.2	2313.6	2037.8	1822.7	1735.2	1698.1
12.5°	4100.7	4108.2	3857.5	3362.2	2745.2	2156.4	1601.7	1306.6	1115.3	1044.1	1021.9
15°	4277.2	4266.9	3860.5	3138.2	2238.0	1524.6	1045.6	858.7	781.6	757.9	757.9
17.5°	4462.6	4419.6	3801.2	2814.9	1681.8	1042.6	775.7	731.2	717.8	711.9	710.4
20°	4645.0	4548.6	3692.9	2392.2	1207.2	778.6	704.5	691.1	683.7	680.7	677.8
22.5°	4811.1	4646.5	3507.5	1901.3	876.5	688.2	665.9	654.0	640.7	634.8	633.3
25°	4972.8	4702.9	3246.5	1443.0	701.5	643.7	625.9	603.6	585.8	578.4	575.4
27.5°	5130.0	4738.5	2920.2	1067.8	625.9	602.1	569.5	538.4	525.0	522.0	519.1
30°	5297.6	4750.3	2549.4	796.4	579.9	550.2	502.8	467.2	459.8	461.2	461.2
32.5°	5502.3	4768.1	2175.7	652.6	541.3	487.9	431.6	394.5	388.6	394.5	393.0
35°	5747.0	4803.7	1815.3	600.7	507.2	424.2	363.4	332.2	326.3	330.7	329.2
37.5°	6079.2	4861.6	1478.6	590.3	479.0	370.8	305.5	280.3	280.3	281.8	280.3
40°	6521.2	5015.8	1177.6	582.9	464.2	330.7	258.1	247.7	252.1	255.1	255.1
42.5°	7059.5	5343.6	974.4	574.0	447.9	312.9	234.3	229.9	237.3	240.3	240.3
45°	7663.1	5758.8	903.2	559.1	433.1	324.8	223.9	218.0	226.9	228.4	229.9
47.5°	8287.5	6165.2	894.3	542.8	418.2	342.6	221.0	207.6	218.0	219.5	221.0
50°	8919.3	6430.7	903.2	517.6	394.5	342.6	222.5	197.3	206.1	210.6	212.1
52.5°	9555.6	6552.3	897.3	462.7	353.0	321.8	222.5	188.4	197.3	200.2	200.2
55°	10172.5	6528.6	806.8	381.2	299.6	284.8	216.5	180.9	186.9	188.4	188.4
57.5°	10660.5	6197.8	639.2	296.6	243.2	237.3	197.3	172.0	176.5	175.0	175.0
60°	10915.6	5471.1	456.8	228.4	191.3	186.9	173.5	160.2	163.1	155.7	154.2
62.5°	10918.5	4510.1	305.5	180.9	152.8	148.3	148.3	143.9	140.9	126.1	121.6
65°	10685.7	3443.7	203.2	143.9	123.1	115.7	124.6	123.1	112.7	92.0	89.0
67.5°	10157.7	2257.3	154.2	112.7	94.9	90.5	99.4	103.8	96.4	77.1	75.6
70°	9072.1	1314.0	127.5	87.5	71.2	66.7	80.1	89.0	80.1	62.3	59.3
72.5°	7535.6	708.9	103.8	65.3	48.9	44.5	63.8	72.7	63.8	46.0	44.5
75°	4889.8	379.7	80.1	43.0	25.2	28.2	47.5	53.4	44.5	29.7	26.7
77.5°	1641.8	167.6	50.4	20.8	11.9	11.9	28.2	32.6	20.8	10.4	8.9
80°	366.3	69.7	20.8	8.9	4.4	4.4	5.9	5.9	3.0	0.0	0.0
82.5°	120.1	28.2	8.9	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	46.0	10.4	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.8	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)