

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: P969996

Luminaire Tested: **NVN-SB6A-830-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P969996
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB6A-830-U-T2U
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25389.3 lumens
Efficiency: N/A
Efficacy: 148.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 170.9
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



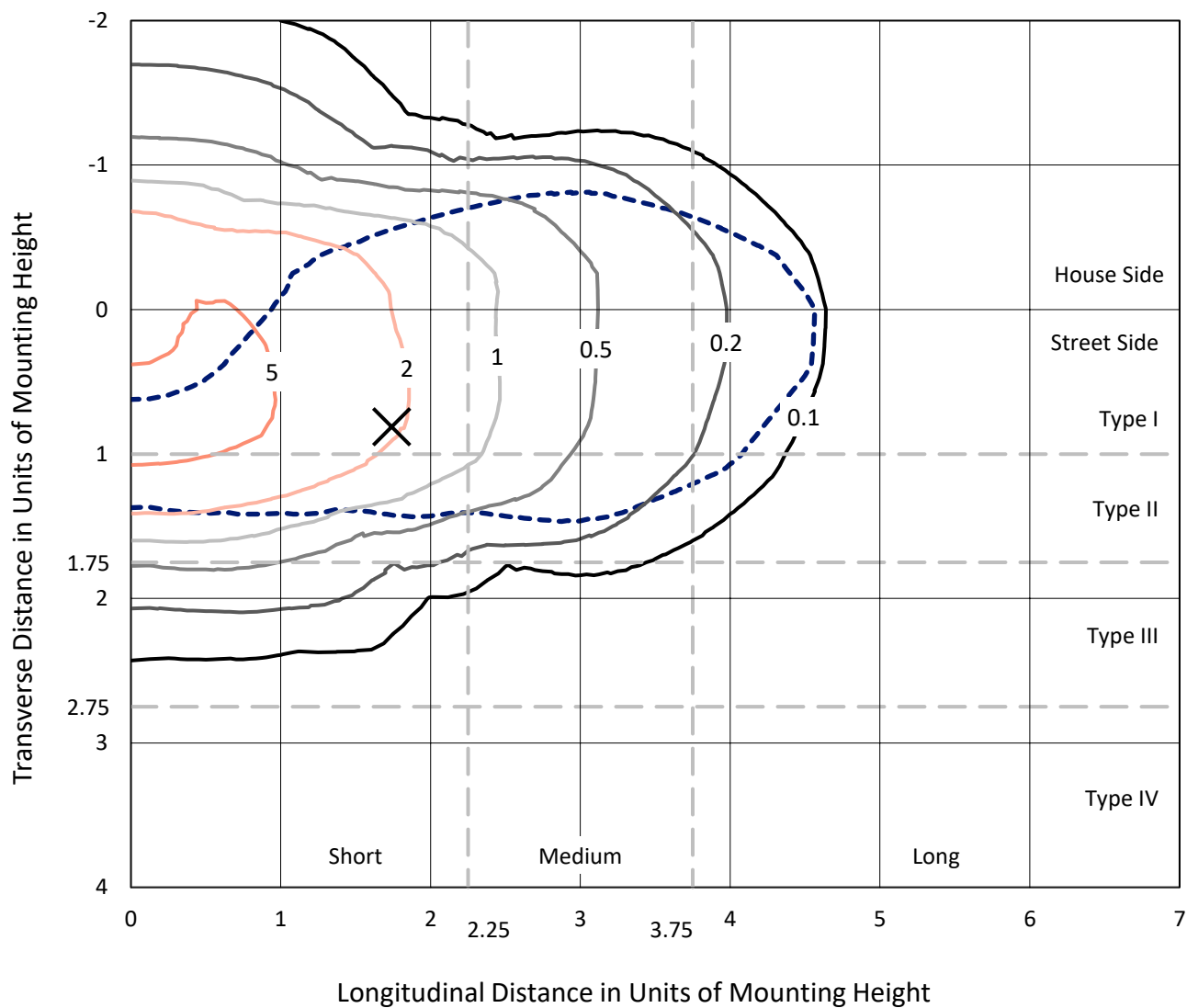
REPORT NUMBER: P969996

CATALOG NUMBER: NVN-SB6A-830-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

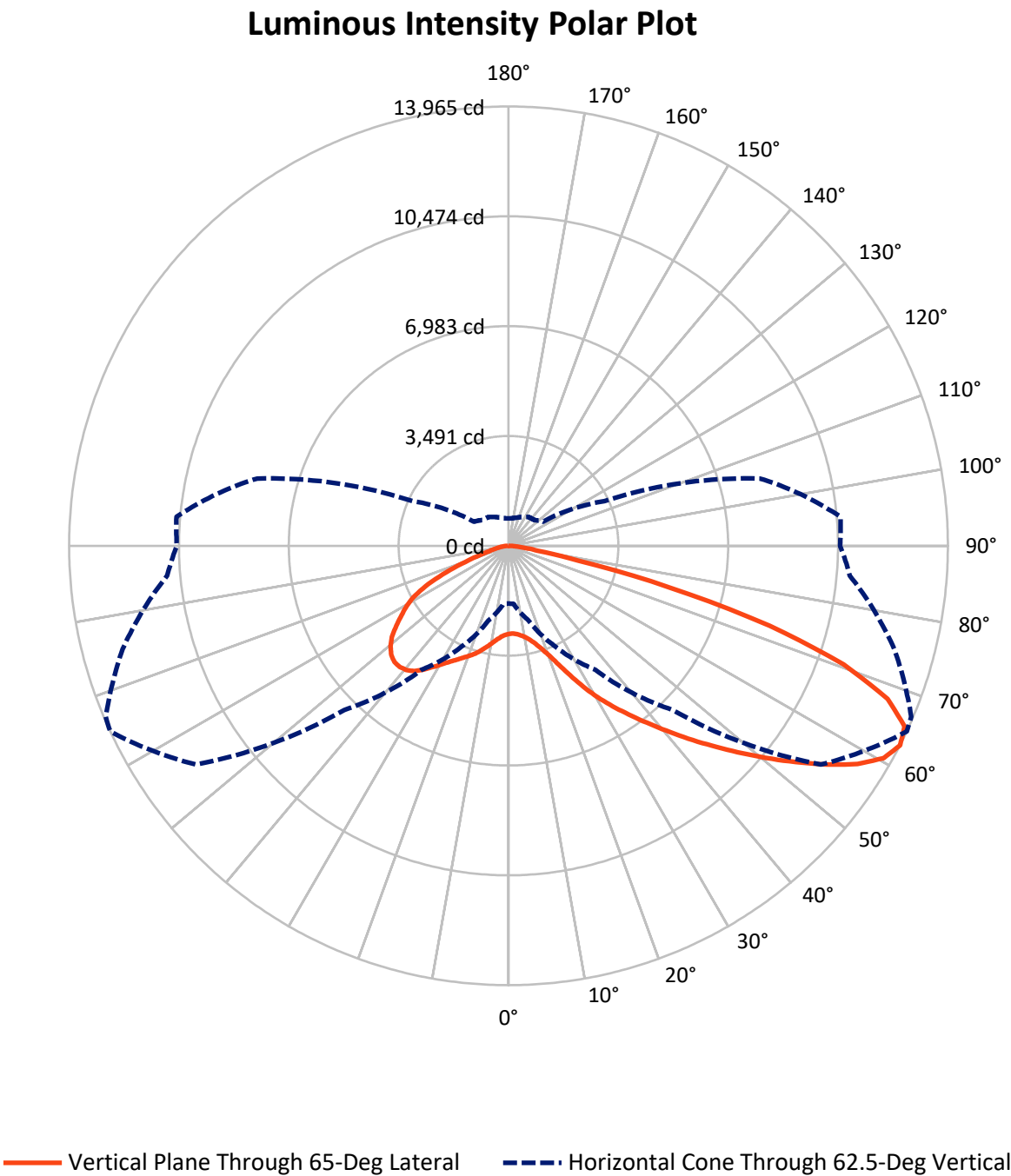
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.1 fc
Type II - Short - N/A

REPORT NUMBER: P969996
CATALOG NUMBER: NVN-SB6A-830-U-T2U



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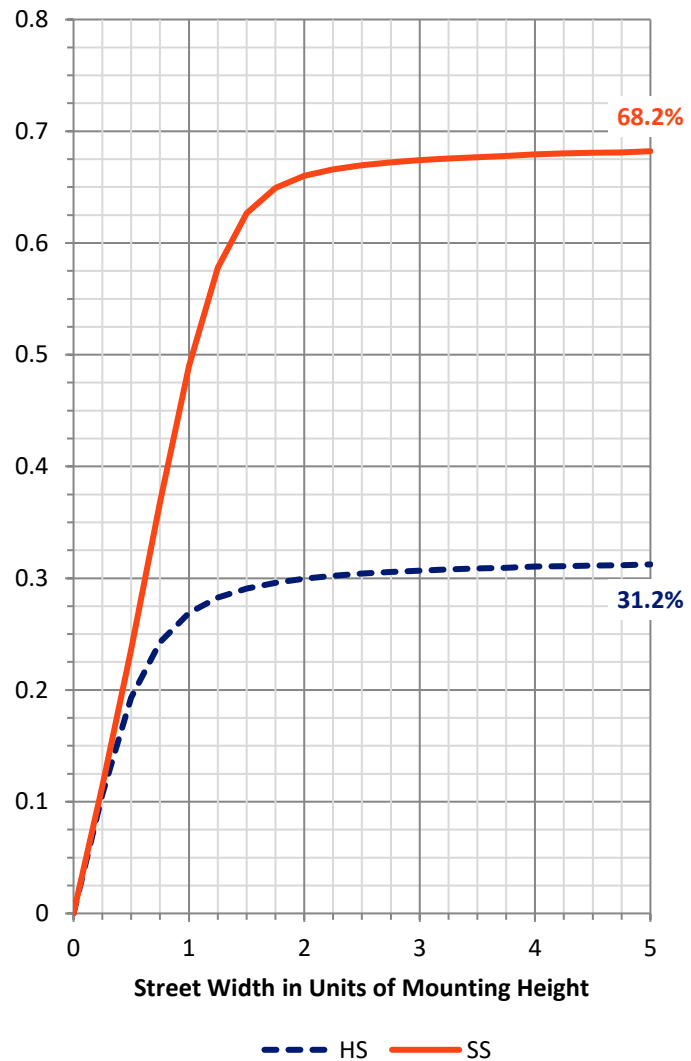
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8011.7	0.0	8011.7
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	17377.5	0.0	17377.5
	% Fixture	68.4	0.0	68.4
Total	Lumens	25389.3	0.0	25389.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	278.9	1.1
10°-20°	945.9	3.7
20°-30°	1917.9	7.6
30°-40°	3318.9	13.1
40°-50°	5022.5	19.8
50°-60°	5888.6	23.2
60°-70°	4936.9	19.4
70°-80°	2725.6	10.7
80°-90°	354.0	1.4
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°	25389.3	100.0
0°-180°	25389.3	100.0

Coefficient of Utilization



REPORT NUMBER: P969996

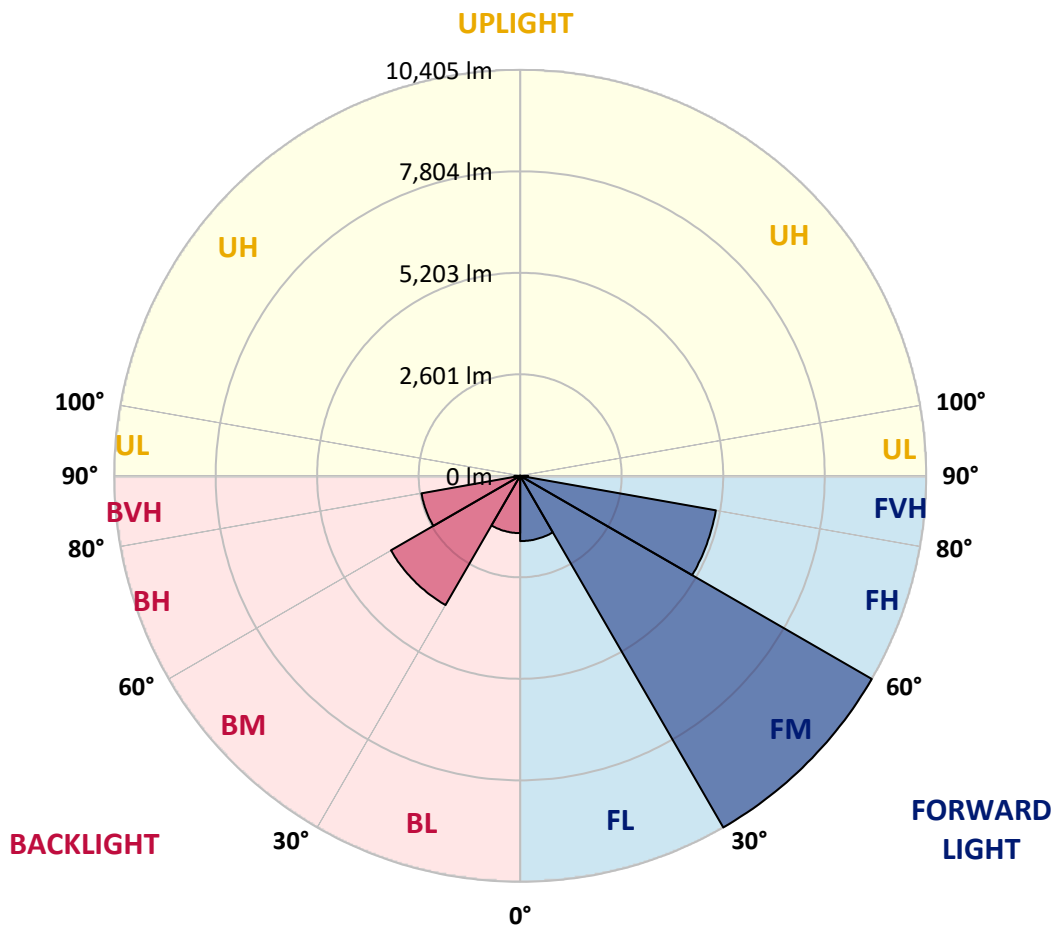
CATALOG NUMBER: NVN-SB6A-830-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1673.5	6.6			
FM	(30°-60°)	10405.3	41.0			
FH	(60°-80°)	5092.3	20.1			G3/7500
FVH	(80°-90°)	206.3	0.8			G2/225
BL	(0°-30°)	1469.3	5.8	B3/2500		
BM	(30°-60°)	3824.7	15.1	B3/5000		
BH	(60°-80°)	2570.1	10.1	B4/5000		G4/5000
BVH	(80°-90°)	147.7	0.6			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



REPORT NUMBER: P969996

CATALOG NUMBER: NVN-SB6A-830-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2797.7	2797.7	2797.7	2797.7	2797.7	2797.7	2797.7	2797.7	2797.7	2797.7	2797.7
2.5°	2779.4	2771.4	2778.1	2778.1	2780.6	2779.4	2788.6	2791.2	2795.2	2803.1	2803.1
5°	2751.7	2750.4	2762.2	2772.7	2783.3	2792.5	2804.4	2821.5	2824.1	2833.3	2845.2
7.5°	2742.5	2734.6	2753.0	2766.2	2791.2	2813.6	2845.2	2874.2	2886.0	2890.0	2912.4
10°	2813.6	2800.4	2817.5	2825.4	2846.5	2868.9	2905.8	2951.9	2965.1	2980.9	3005.9
12.5°	2934.8	2920.3	2945.3	2957.1	2976.9	2996.7	3021.7	3066.5	3073.1	3102.1	3125.7
15°	3100.7	3083.6	3099.4	3114.0	3146.9	3165.3	3190.3	3233.8	3233.8	3256.2	3273.3
17.5°	3326.0	3303.6	3315.5	3320.7	3341.8	3369.5	3411.6	3449.8	3469.5	3461.6	3438.0
20°	3661.9	3634.2	3634.2	3607.9	3600.0	3622.4	3677.7	3730.4	3751.5	3710.6	3652.7
22.5°	4166.4	4126.9	4104.5	4014.9	3979.4	3981.9	4037.3	4101.8	4119.0	4046.5	3916.1
25°	4807.9	4746.0	4715.6	4583.9	4503.5	4433.7	4477.2	4560.2	4583.9	4494.4	4283.6
27.5°	5449.3	5453.3	5424.3	5266.2	5133.2	5005.5	4983.0	5070.0	5095.1	4993.6	4732.8
30°	6349.1	6255.5	6200.2	6010.5	5820.8	5641.7	5549.5	5585.0	5591.6	5470.4	5167.4
32.5°	7124.9	7101.2	6982.6	6816.7	6572.9	6292.4	6138.3	6081.6	6071.1	5898.6	5538.9
35°	8008.7	7995.5	7870.5	7672.8	7409.4	7019.5	6741.5	6579.6	6566.4	6324.0	5906.5
37.5°	8907.0	8907.0	8784.6	8568.6	8295.8	7808.6	7385.6	7128.8	7086.6	6770.5	6280.5
40°	9623.6	9580.2	9602.6	9511.7	9199.5	8681.9	8100.9	7728.2	7671.5	7292.2	6678.3
42.5°	10030.6	10016.2	10150.6	10251.9	10124.2	9710.5	8888.6	8377.5	8298.5	7866.5	7136.8
45°	10121.6	10105.8	10345.5	10717.0	10896.1	10726.1	9744.8	9061.2	8965.1	8467.1	7628.0
47.5°	9912.2	9880.5	10232.2	10818.4	11392.7	11691.7	10672.2	9802.8	9663.2	9052.0	8132.6
50°	9282.5	9252.2	9784.3	10562.8	11559.9	12347.7	11678.5	10589.2	10375.8	9679.0	8642.3
52.5°	7913.9	7928.4	8762.2	9831.8	11340.0	12756.0	12545.3	11417.7	11160.8	10320.4	9120.4
55°	6164.7	6196.2	7221.0	8398.6	10460.1	12694.1	13136.7	12271.3	12015.8	10923.7	9614.4
57.5°	4414.1	4553.7	5513.9	6679.6	8770.1	11712.8	13265.8	13082.7	12835.0	11582.4	10097.9
60°	2861.0	2886.0	3874.0	5048.9	6678.3	9968.7	13003.7	13697.8	13504.2	12254.2	10502.3
62.5°	1833.6	1850.7	2452.7	3531.4	4806.5	7375.2	12121.1	13965.2	13906.0	12698.0	10890.8
65°	1347.6	1334.3	1647.9	2334.1	3237.8	4548.3	10407.4	13836.2	13953.3	12976.0	11212.2
67.5°	1124.9	1106.5	1260.5	1616.2	2385.5	2583.1	7700.5	12997.1	13426.5	12944.4	11448.0
70°	1024.8	1009.0	1102.5	1200.0	1861.2	1729.5	3881.9	11299.2	11960.4	12584.7	11409.8
72.5°	868.1	840.4	968.1	1065.6	1447.6	1326.5	1604.3	8679.2	9485.3	11432.2	10872.4
75°	673.1	654.7	764.0	937.9	1088.0	1035.4	1014.2	5270.2	6150.1	8841.2	9511.7
77.5°	533.5	508.4	608.5	731.0	978.7	781.2	738.9	2269.6	3141.6	5644.3	7117.0
80°	401.8	379.4	462.4	578.3	752.1	588.8	478.2	926.0	1184.2	2859.6	3578.9
82.5°	285.9	266.1	322.7	424.1	505.8	528.2	293.8	519.0	583.5	1102.5	799.6
85°	183.1	171.3	216.1	266.1	321.4	339.9	179.2	271.3	297.7	454.5	333.2
87.5°	100.1	81.7	115.9	123.8	148.8	135.7	85.6	98.8	106.7	164.6	140.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P969996

CATALOG NUMBER: NVN-SB6A-830-U-T2U

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2797.7	2797.7	2797.7	2797.7	2797.7	2797.7	2797.7	2797.7	2797.7	2797.7	2797.7
2.5°	2808.3	2812.3	2825.4	2829.4	2838.6	2850.5	2858.4	2866.3	2866.3	2874.2	2874.2
5°	2846.5	2855.8	2883.4	2897.9	2921.6	2945.3	2959.8	2976.9	2987.5	2992.7	2995.4
7.5°	2920.3	2934.8	2974.2	2999.4	3040.1	3073.1	3095.5	3119.2	3124.5	3139.0	3133.6
10°	3020.4	3037.5	3082.3	3129.7	3178.4	3219.3	3240.3	3257.4	3264.1	3266.7	3260.1
12.5°	3135.0	3160.0	3218.0	3275.9	3327.4	3362.9	3368.2	3364.2	3345.7	3329.9	3329.9
15°	3275.9	3298.3	3362.9	3426.1	3476.2	3482.7	3449.8	3428.7	3406.4	3402.4	3402.4
17.5°	3444.5	3456.4	3515.6	3577.6	3581.6	3559.1	3510.4	3490.6	3469.5	3455.1	3456.4
20°	3640.8	3636.9	3679.0	3705.4	3677.7	3609.2	3535.4	3502.5	3481.4	3464.3	3465.6
22.5°	3875.3	3845.0	3839.8	3833.1	3759.4	3615.8	3515.6	3473.5	3440.6	3416.8	3424.8
25°	4216.4	4100.5	4020.2	3975.4	3809.4	3580.2	3452.4	3358.9	3297.0	3256.2	3272.0
27.5°	4643.2	4448.3	4245.4	4136.1	3809.4	3507.8	3299.7	3148.2	3046.7	3004.6	3025.7
30°	5050.3	4846.1	4547.1	4329.7	3800.2	3389.3	3053.4	2842.5	2724.0	2681.9	2706.9
32.5°	5398.0	5175.3	4867.1	4541.8	3777.8	3196.9	2747.7	2514.6	2399.9	2349.9	2374.9
35°	5720.7	5483.6	5188.5	4775.0	3718.5	2915.0	2411.8	2234.0	2106.3	2025.9	2052.3
37.5°	6051.3	5769.4	5492.9	4985.7	3611.8	2585.7	2153.6	2002.1	1852.0	1744.0	1772.9
40°	6411.0	6073.7	5818.2	5110.9	3436.6	2272.2	1953.4	1815.2	1655.8	1541.2	1563.5
42.5°	6831.1	6438.6	6180.4	5175.3	3196.9	2049.6	1823.1	1687.4	1537.2	1443.7	1462.2
45°	7269.8	6840.3	6511.0	5174.1	2929.6	1945.6	1780.9	1646.6	1480.5	1383.1	1398.9
47.5°	7729.5	7260.6	6796.9	5089.7	2697.7	1960.0	1757.2	1558.3	1375.1	1280.3	1293.6
50°	8190.5	7720.3	7073.5	4931.7	2598.9	1928.4	1668.9	1434.5	1218.4	1132.8	1138.1
52.5°	8647.6	8208.9	7311.9	4706.5	2498.7	1811.2	1555.6	1273.8	1153.8	1094.6	1094.6
55°	9107.3	8692.4	7571.4	4378.5	2248.5	1674.2	1365.9	1213.2	1102.5	1048.5	1043.2
57.5°	9568.3	9250.8	7817.8	4050.5	1933.7	1505.6	1261.9	1139.4	1051.1	1005.0	997.1
60°	10047.8	9889.7	8072.0	3748.8	1622.8	1289.6	1185.5	1080.1	990.6	939.2	935.2
62.5°	10541.7	10593.2	8270.8	3360.3	1337.0	1157.8	1117.0	1009.0	922.1	873.3	872.0
65°	11039.7	11271.5	8401.3	2821.5	1084.0	1032.7	1043.2	931.3	843.1	800.8	799.6
67.5°	11415.1	11760.1	8364.4	2135.2	889.1	914.2	951.0	849.6	766.6	733.7	735.0
70°	11457.2	11702.2	8000.8	1462.2	744.3	798.3	848.3	769.3	683.7	659.9	661.2
72.5°	10896.1	10911.8	6987.8	955.0	629.7	700.8	740.3	687.6	604.6	580.9	579.5
75°	9424.8	9024.3	5130.6	629.7	526.8	602.0	638.9	602.0	521.6	526.8	508.4
77.5°	7140.7	6391.2	3115.3	447.8	439.9	505.8	555.9	529.5	461.0	517.6	455.7
80°	3679.0	3457.7	1389.7	334.6	347.8	404.4	457.0	422.8	364.9	347.8	317.4
82.5°	843.1	980.0	548.0	239.7	251.6	291.1	349.1	317.4	262.1	221.3	218.6
85°	295.1	322.7	242.4	150.2	147.5	181.7	237.1	212.1	177.8	142.3	150.2
87.5°	93.5	122.5	90.9	60.6	63.2	81.7	109.4	100.1	83.0	54.0	56.7
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)