

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: P948773

Luminaire Tested: **GALN-SB3D-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948773
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: McGRAW-EDISON
Catalog Number: GALN-SB3D-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25560 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 218.1
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



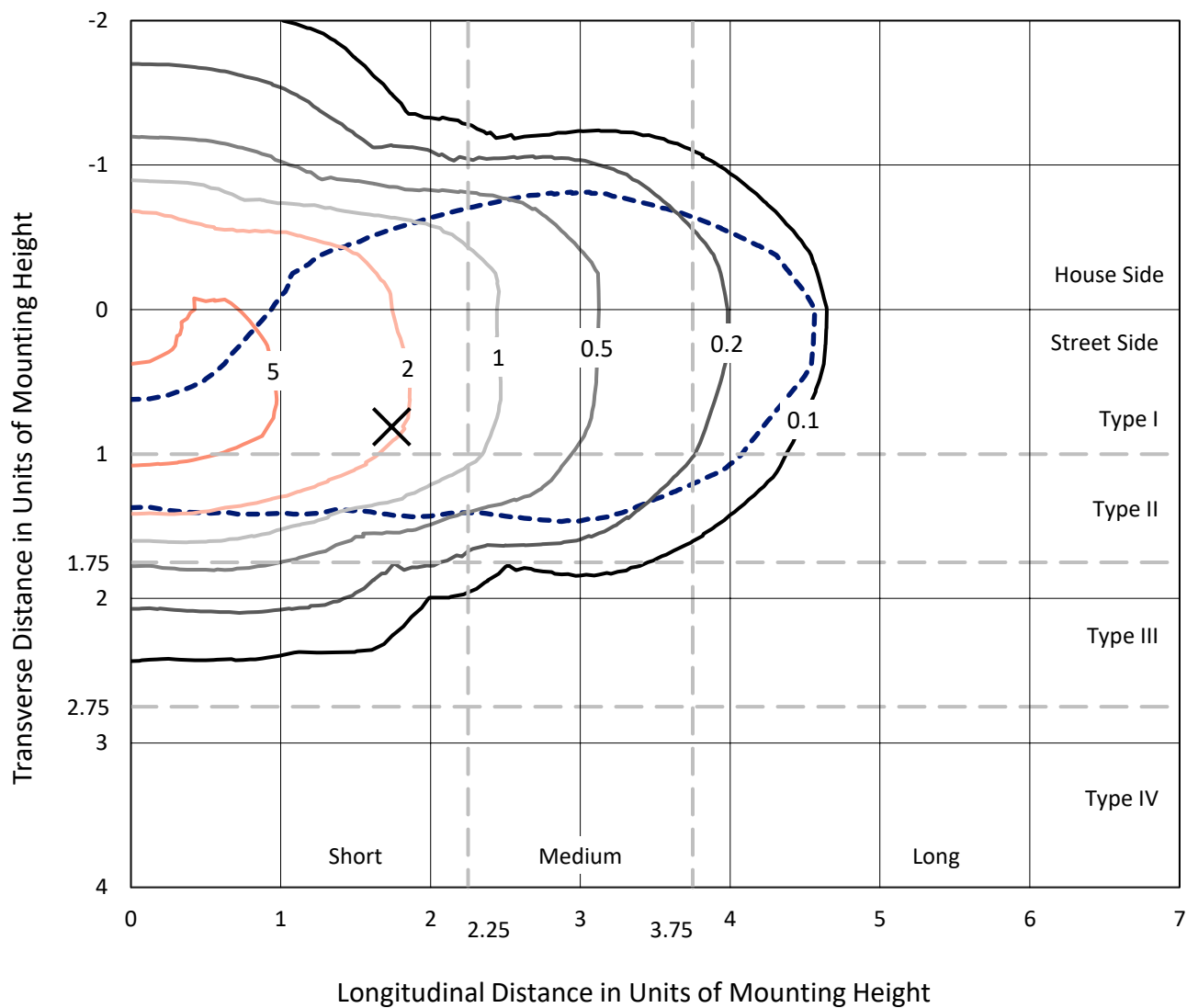
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

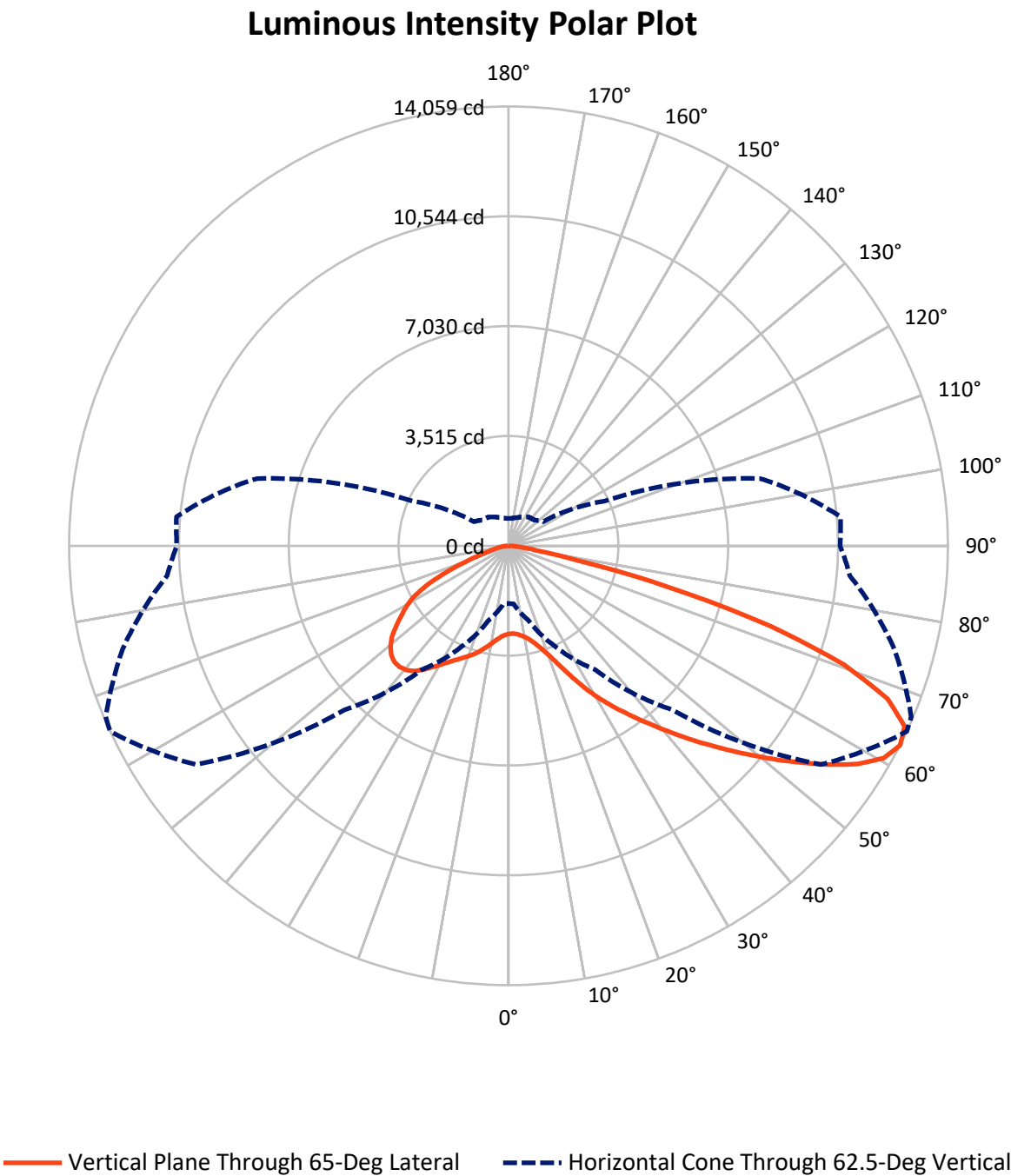
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc

Type II - Short - N/A

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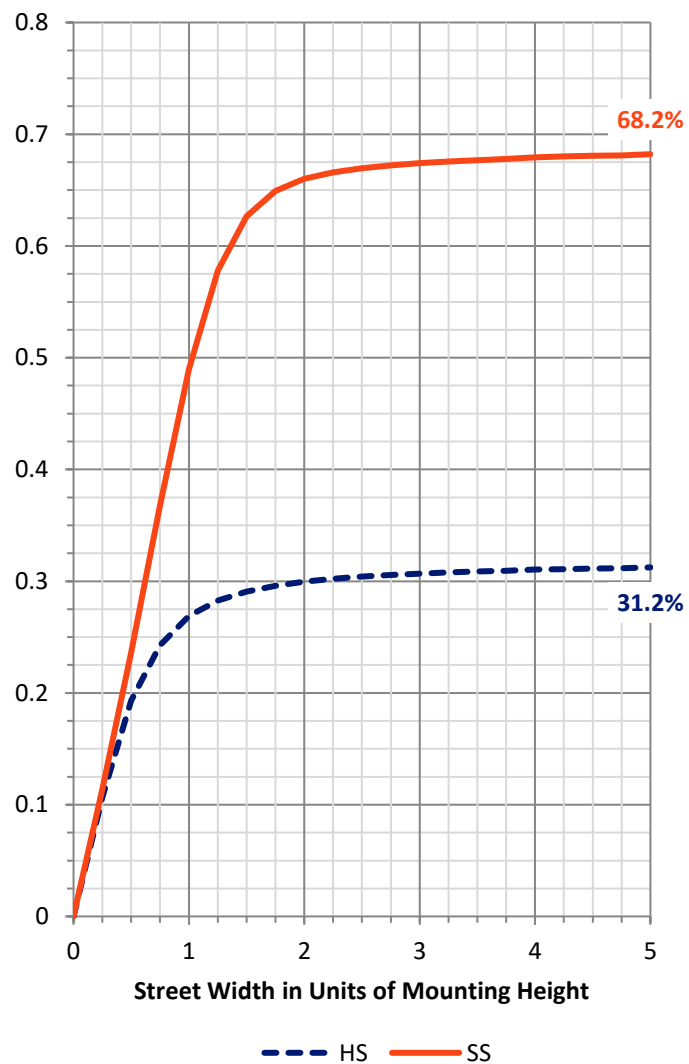
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8065.6	0.0	8065.6
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	17494.4	0.0	17494.4
	% Fixture	68.4	0.0	68.4
Total	Lumens	25560.0	0.0	25560.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.8	1.1
10°-20°	952.3	3.7
20°-30°	1930.8	7.6
30°-40°	3341.2	13.1
40°-50°	5056.3	19.8
50°-60°	5928.2	23.2
60°-70°	4970.1	19.4
70°-80°	2743.9	10.7
80°-90°	356.4	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°	25560.0	100.0
0°-180°	25560.0	100.0

Coefficient of Utilization



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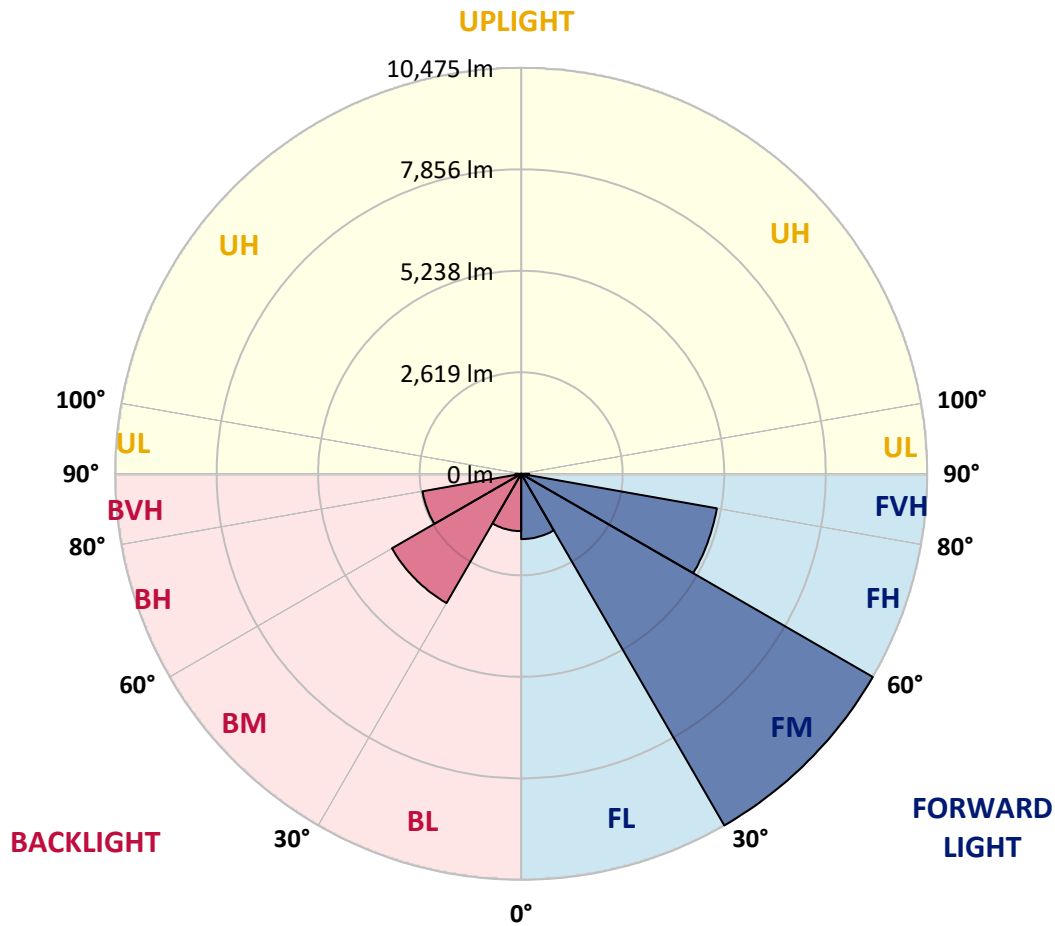
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1684.7	6.6			
FM	(30°-60°)	10475.3	41.0			
FH	(60°-80°)	5126.6	20.1			G3/7500
FVH	(80°-90°)	207.7	0.8			G2/225
BL	(0°-30°)	1479.1	5.8	B3/2500		
BM	(30°-60°)	3850.4	15.1	B3/5000		
BH	(60°-80°)	2587.4	10.1	B4/5000		G4/5000
BVH	(80°-90°)	148.7	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2816.6	2816.6	2816.6	2816.6	2816.6	2816.6	2816.6	2816.6	2816.6	2816.6	2816.6
2.5°	2798.0	2790.1	2796.7	2796.7	2799.4	2798.0	2807.3	2810.0	2813.9	2821.9	2821.9
5°	2770.2	2768.9	2780.8	2791.4	2802.0	2811.3	2823.2	2840.5	2843.1	2852.4	2864.3
7.5°	2760.9	2752.9	2771.5	2784.8	2810.0	2832.5	2864.3	2893.5	2905.4	2909.4	2932.0
10°	2832.5	2819.3	2836.5	2844.4	2865.7	2888.2	2925.3	2971.8	2985.0	3000.9	3026.1
12.5°	2954.5	2939.9	2965.1	2977.1	2996.9	3016.8	3042.0	3087.1	3093.8	3122.9	3146.8
15°	3121.6	3104.4	3120.3	3134.9	3168.0	3186.6	3211.8	3255.5	3255.5	3278.1	3295.3
17.5°	3348.4	3325.8	3337.8	3343.1	3364.3	3392.1	3434.6	3473.0	3492.9	3484.9	3461.1
20°	3686.5	3658.7	3658.7	3632.1	3624.2	3646.7	3702.4	3755.5	3776.7	3735.6	3677.2
22.5°	4194.4	4154.6	4132.1	4041.9	4006.1	4008.8	4064.4	4129.4	4146.7	4073.7	3942.4
25°	4840.2	4777.9	4747.4	4614.8	4533.9	4463.6	4507.4	4590.9	4614.8	4524.6	4312.4
27.5°	5486.0	5490.0	5460.8	5301.7	5167.7	5039.1	5016.6	5104.1	5129.3	5027.2	4764.6
30°	6391.7	6297.6	6241.9	6050.9	5860.0	5679.6	5586.8	5622.6	5629.2	5507.2	5202.2
32.5°	7172.8	7148.9	7029.6	6862.5	6617.2	6334.7	6179.5	6122.5	6111.9	5938.2	5576.2
35°	8062.6	8049.3	7923.3	7724.4	7459.2	7066.7	6786.9	6623.8	6610.5	6366.5	5946.2
37.5°	8967.0	8967.0	8843.7	8626.2	8351.7	7861.0	7435.3	7176.8	7134.3	6816.1	6322.8
40°	9688.4	9644.6	9667.1	9575.6	9261.4	8740.2	8155.4	7780.1	7723.1	7341.2	6723.2
42.5°	10098.1	10083.5	10218.8	10320.9	10192.3	9775.9	8948.4	8433.9	8354.3	7919.4	7184.7
45°	10189.6	10173.7	10415.1	10789.0	10969.4	10798.3	9810.4	9122.1	9025.3	8524.1	7679.3
47.5°	9978.8	9947.0	10301.0	10891.1	11469.3	11770.3	10743.9	9868.7	9728.1	9112.8	8187.2
50°	9344.9	9314.4	9850.1	10633.9	11637.7	12430.7	11757.1	10660.4	10445.6	9744.1	8700.4
52.5°	7967.1	7981.7	8821.1	9897.9	11416.3	12841.8	12629.6	11494.5	11235.9	10389.9	9181.8
55°	6206.1	6237.9	7269.6	8455.1	10530.4	12779.5	13225.0	12353.8	12096.5	10997.2	9679.1
57.5°	4443.7	4584.3	5551.0	6724.6	8829.1	11791.5	13355.0	13170.7	12921.4	11660.3	10165.8
60°	2880.3	2905.4	3900.0	5082.9	6723.2	10035.8	13091.1	13789.9	13595.0	12336.6	10572.9
62.5°	1845.9	1863.1	2469.2	3555.2	4838.9	7424.7	12202.6	14059.1	13999.5	12783.4	10964.1
65°	1356.6	1343.3	1658.9	2349.8	3259.5	4579.0	10477.4	13929.2	14047.2	13063.2	11287.6
67.5°	1132.5	1113.9	1269.1	1627.1	2401.5	2600.4	7752.3	13084.5	13516.8	13031.4	11525.0
70°	1031.7	1015.8	1109.9	1208.1	1873.8	1741.1	3908.0	11375.1	12040.8	12669.4	11486.5
72.5°	873.9	846.0	974.7	1072.8	1457.4	1335.4	1615.2	8737.6	9549.1	11509.1	10945.5
75°	677.6	659.1	769.1	944.2	1095.3	1042.3	1021.1	5305.7	6191.5	8900.7	9575.6
77.5°	537.1	511.9	612.7	736.0	985.3	786.4	743.9	2284.8	3162.7	5682.3	7164.8
80°	404.5	381.9	465.5	582.2	757.2	592.8	481.4	932.2	1192.1	2878.9	3603.0
82.5°	287.8	267.9	324.9	427.0	509.2	531.8	295.7	522.5	587.5	1109.9	804.9
85°	184.3	172.4	217.5	267.9	323.6	342.1	180.3	273.2	299.7	457.5	335.5
87.5°	100.8	82.2	116.7	124.7	149.8	136.6	86.2	99.5	107.4	165.8	141.9
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°	2816.6	2816.6	2816.6	2816.6	2816.6	2816.6	2816.6	2816.6	2816.6	2816.6	2816.6
2.5°	2827.2	2831.2	2844.4	2848.4	2857.7	2869.6	2877.6	2885.6	2885.6	2893.5	2893.5
5°	2865.7	2874.9	2902.8	2917.4	2941.3	2965.1	2979.7	2996.9	3007.6	3012.9	3015.5
7.5°	2939.9	2954.5	2994.3	3019.5	3060.6	3093.8	3116.3	3140.2	3145.5	3160.1	3154.8
10°	3040.7	3057.9	3103.0	3150.8	3199.8	3240.9	3262.2	3279.4	3286.0	3288.7	3282.1
12.5°	3156.1	3181.3	3239.6	3298.0	3349.7	3385.5	3390.8	3386.8	3368.3	3352.3	3352.3
15°	3298.0	3320.5	3385.5	3449.1	3499.5	3506.2	3473.0	3451.8	3429.3	3425.3	3425.3
17.5°	3467.7	3479.6	3539.3	3601.6	3605.6	3583.1	3534.0	3514.1	3492.9	3478.3	3479.6
20°	3665.3	3661.3	3703.8	3730.3	3702.4	3633.5	3559.2	3526.1	3504.8	3487.6	3488.9
22.5°	3901.3	3870.8	3865.5	3858.9	3784.6	3640.1	3539.3	3496.9	3463.7	3439.9	3447.8
25°	4244.8	4128.1	4047.2	4002.1	3835.0	3604.3	3475.7	3381.5	3319.2	3278.1	3294.0
27.5°	4674.4	4478.2	4274.0	4163.9	3835.0	3531.4	3321.8	3169.3	3067.2	3024.8	3046.0
30°	5084.2	4878.7	4577.6	4358.8	3825.8	3412.0	3073.9	2861.7	2742.3	2699.9	2725.1
32.5°	5434.3	5210.2	4899.9	4572.3	3803.2	3218.4	2766.2	2531.5	2416.1	2365.7	2390.9
35°	5759.2	5520.5	5223.4	4807.1	3743.5	2934.6	2428.1	2249.0	2120.4	2039.5	2066.0
37.5°	6092.0	5808.2	5529.8	5019.2	3636.1	2603.1	2168.1	2015.6	1864.5	1755.7	1784.9
40°	6454.0	6114.6	5857.3	5145.2	3459.8	2287.5	1966.6	1827.3	1666.9	1551.5	1574.1
42.5°	6877.1	6481.9	6222.0	5210.2	3218.4	2063.4	1835.3	1698.7	1547.5	1453.4	1472.0
45°	7318.7	6886.4	6554.8	5208.9	2949.2	1958.6	1792.9	1657.6	1490.5	1392.4	1408.3
47.5°	7781.5	7309.4	6842.6	5124.0	2715.8	1973.2	1769.0	1568.8	1384.4	1289.0	1302.2
50°	8245.6	7772.2	7121.1	4964.9	2616.4	1941.4	1680.1	1444.1	1226.6	1140.4	1145.7
52.5°	8705.7	8264.2	7361.1	4738.1	2515.6	1823.4	1566.1	1282.3	1161.6	1102.0	1102.0
55°	9168.5	8750.8	7622.3	4407.9	2263.6	1685.5	1375.1	1221.3	1109.9	1055.6	1050.3
57.5°	9632.7	9313.1	7870.3	4077.7	1946.7	1515.7	1270.4	1147.1	1058.2	1011.8	1003.8
60°	10115.4	9956.2	8126.2	3774.0	1633.7	1298.2	1193.5	1087.4	997.2	945.5	941.5
62.5°	10612.6	10664.4	8326.5	3382.8	1346.0	1165.6	1124.5	1015.8	928.3	879.2	877.9
65°	11113.9	11347.3	8457.8	2840.5	1091.4	1039.6	1050.3	937.5	848.7	806.3	804.9
67.5°	11491.8	11839.3	8420.6	2149.6	895.1	920.3	957.4	855.3	771.8	738.6	740.0
70°	11534.3	11780.9	8054.6	1472.0	749.2	803.6	854.0	774.4	688.2	664.4	665.7
72.5°	10969.4	10985.3	7034.9	961.4	633.9	705.5	745.3	692.2	608.7	584.8	583.5
75°	9488.1	9085.0	5165.1	633.9	530.4	606.0	643.2	606.0	525.1	530.4	511.9
77.5°	7188.7	6434.2	3136.2	450.9	442.9	509.2	559.6	533.1	464.1	521.2	458.8
80°	3703.8	3481.0	1399.0	336.8	350.1	407.1	460.2	425.7	367.3	350.1	319.6
82.5°	848.7	986.6	551.7	241.3	253.3	293.1	351.4	319.6	263.9	222.8	220.1
85°	297.0	324.9	244.0	151.2	148.5	183.0	238.7	213.5	179.0	143.2	151.2
87.5°	94.2	123.3	91.5	61.0	63.7	82.2	110.1	100.8	83.5	54.4	57.0
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)