

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: P944156

Luminaire Tested: **GALN-SB9A-722-U-T3-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944156
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-6)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9A-722-U-T3-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26471 lumens
Efficiency: N/A
Efficacy: 103.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 255.5
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

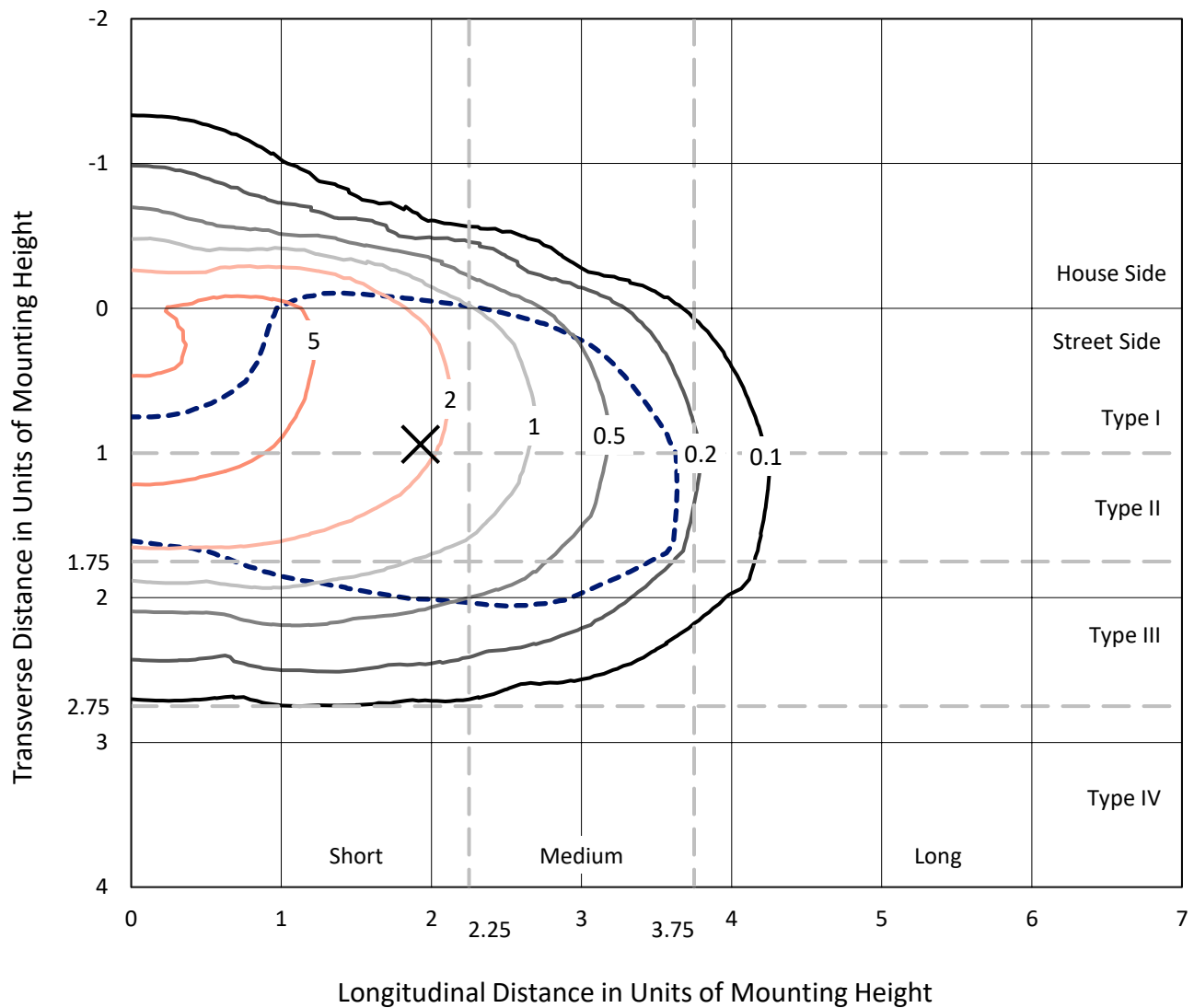


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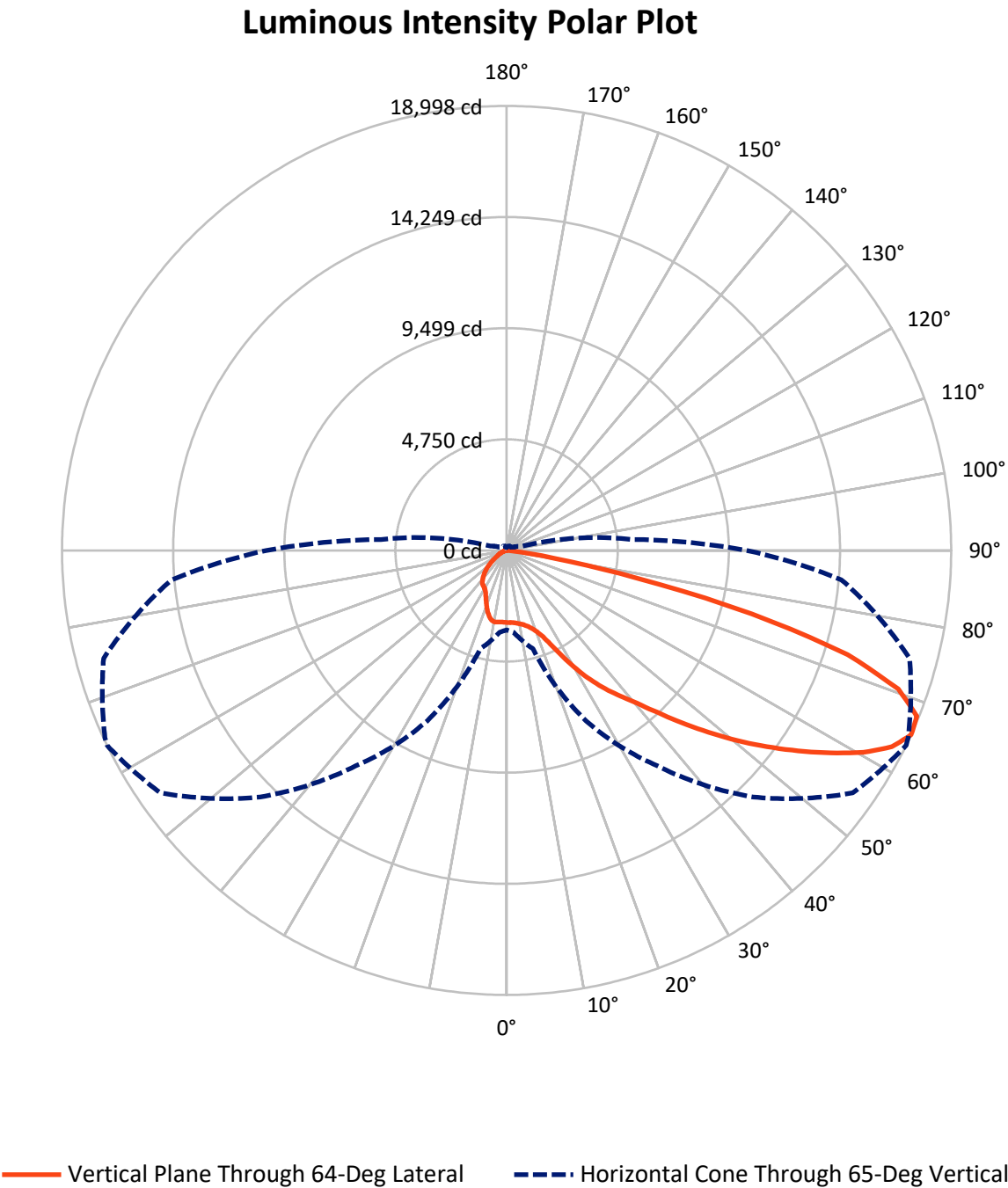
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
Type III - Short - N/A

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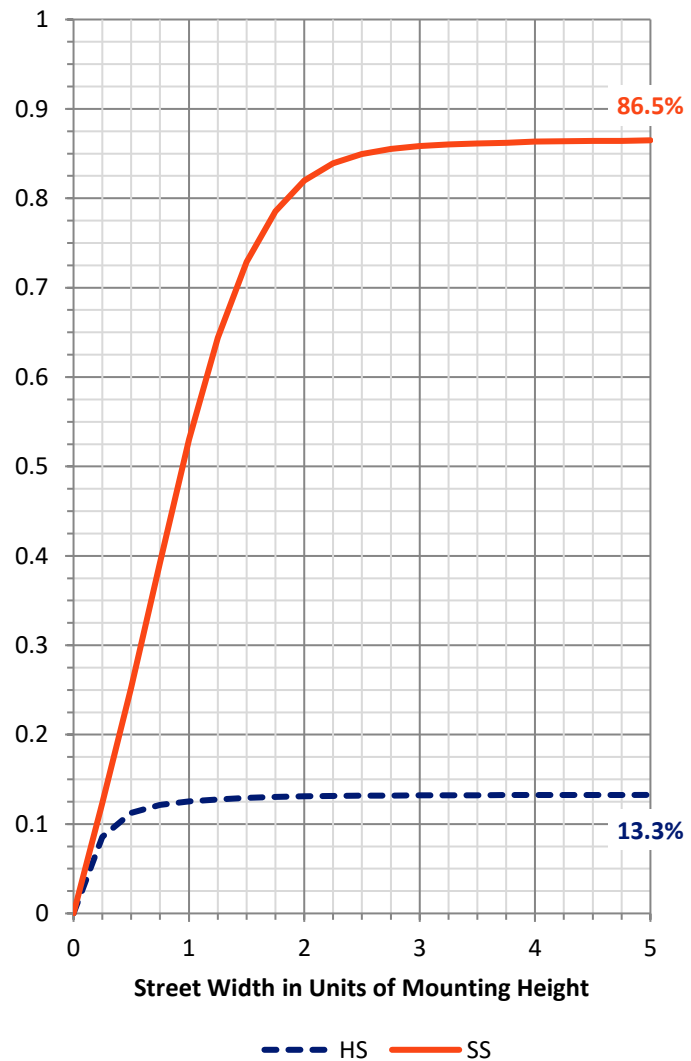
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3540.0	0.0	3540.0
	% Fixture	13.4	0.0	13.4
Street Side	Lumens	22931.0	0.0	22931.0
	% Fixture	86.6	0.0	86.6
Total	Lumens	26471.0	0.0	26471.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.1	1.1
10°-20°	770.4	2.9
20°-30°	1459.9	5.5
30°-40°	2954.2	11.2
40°-50°	5032.5	19.0
50°-60°	6843.8	25.9
60°-70°	6426.6	24.3
70°-80°	2574.8	9.7
80°-90°	124.7	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°	26471.0	100.0
0°-180°	26471.0	100.0

Coefficient of Utilization



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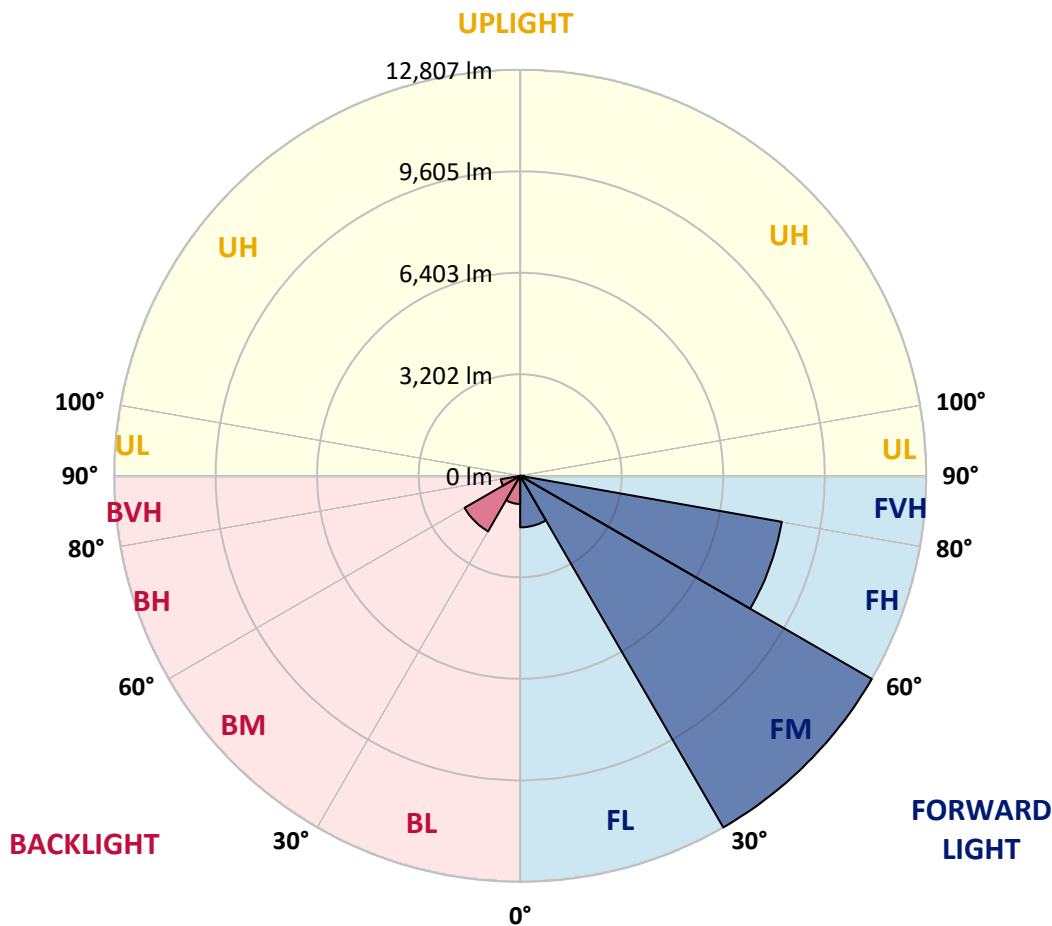
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1625.6	6.1			
FM	(30°-60°)	12806.6	48.4			
FH	(60°-80°)	8380.1	31.7			G4/12000
FVH	(80°-90°)	118.6	0.4			G2/225
BL	(0°-30°)	888.8	3.4	B2/1000		
BM	(30°-60°)	2023.8	7.6	B2/2500		
BH	(60°-80°)	621.3	2.3	B2/1000		G2/1000
BVH	(80°-90°)	6.1	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 Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	3078.9	3078.9	3078.9	3078.9	3078.9	3078.9	3078.9	3078.9	3078.9	3078.9	3078.9
2.5°	3068.2	3089.5	3084.2	3078.9	3077.1	3080.6	3082.4	3080.6	3080.6	3080.6	3082.4
5°	3009.6	3027.4	3027.4	3039.8	3057.6	3078.9	3094.8	3098.4	3101.9	3107.2	3105.5
7.5°	2897.8	2912.0	2922.7	2963.5	3007.9	3064.7	3112.6	3137.4	3141.0	3160.5	3167.6
10°	2821.5	2839.3	2857.0	2899.6	2963.5	3048.7	3130.3	3190.6	3199.5	3245.7	3267.0
12.5°	2818.0	2835.7	2858.8	2904.9	2979.5	3070.0	3169.4	3256.3	3272.3	3339.7	3384.1
15°	2855.3	2876.6	2897.8	2954.6	3034.5	3144.5	3251.0	3359.2	3375.2	3471.0	3518.9
17.5°	2931.6	2960.0	2975.9	3032.7	3117.9	3240.3	3380.5	3504.7	3518.9	3630.7	3691.1
20°	3082.4	3116.1	3121.4	3167.6	3251.0	3382.3	3549.1	3703.5	3721.2	3849.0	3916.4
22.5°	3394.7	3442.6	3400.0	3423.1	3497.6	3629.0	3810.0	4005.2	4030.0	4175.5	4235.9
25°	3944.8	4012.3	3902.2	3863.2	3895.1	4031.8	4258.9	4505.6	4534.0	4651.1	4681.3
27.5°	5025.5	4938.6	4771.8	4608.5	4512.7	4590.8	4846.3	5151.5	5187.0	5300.6	5265.1
30°	6212.7	6136.4	5911.0	5549.0	5321.9	5309.5	5545.5	5886.2	5927.0	6035.3	5927.0
32.5°	7401.7	7328.9	7084.0	6638.6	6244.7	6049.5	6212.7	6590.7	6612.0	6681.2	6521.5
35°	8571.1	8496.6	8251.7	7795.6	7311.2	6867.5	6835.6	7261.5	7268.6	7341.3	7103.5
37.5°	9747.6	9685.5	9424.7	8977.5	8500.1	7887.9	7591.5	7896.8	7905.6	7976.6	7730.0
40°	10587.0	10613.6	10434.4	10088.3	9678.4	9009.4	8439.8	8572.9	8519.6	8638.5	8491.2
42.5°	11307.5	11360.7	11204.5	11030.6	10792.8	10203.7	9490.3	9467.2	9382.1	9446.0	9293.3
45°	11930.3	11974.7	11834.5	11793.7	11788.4	11374.9	10638.5	10500.0	10381.1	10368.7	10185.9
47.5°	12159.2	12244.4	12304.8	12441.4	12707.6	12533.7	11825.6	11610.9	11477.8	11380.2	11091.0
50°	12246.2	12336.7	12542.6	12940.1	13570.0	13644.6	13007.5	12766.1	12602.9	12425.4	11999.5
52.5°	12129.1	12290.6	12567.4	13236.4	14150.3	14535.4	14141.4	13930.3	13743.9	13454.7	12822.9
55°	11438.8	11600.3	12166.3	13232.9	14439.6	15160.0	15213.3	15119.2	14909.8	14453.7	13488.4
57.5°	9983.6	10223.2	11119.4	12782.1	14434.2	15697.7	16263.8	16331.2	16097.0	15443.9	14011.9
60°	7967.7	8292.5	9385.6	11783.0	13988.8	15988.7	17184.8	17522.0	17273.5	16420.0	14436.0
62.5°	5559.7	5935.9	6970.5	10217.9	12970.2	15779.3	17857.3	18480.2	18292.1	17293.0	14599.3
65°	3391.2	3511.8	4345.9	8040.5	11238.3	14902.7	18065.0	18998.4	18936.3	17827.2	14357.9
67.5°	2259.0	2360.2	2599.7	5513.5	8723.7	13151.2	17568.1	18907.9	18925.6	17740.2	13474.2
70°	1361.1	1448.0	1604.2	3206.6	5653.7	10409.5	16029.6	17754.4	17857.3	16577.9	11799.0
72.5°	560.8	619.3	761.3	1453.4	2928.0	6606.7	12764.4	15243.4	15483.0	13939.1	9055.6
75°	317.6	347.8	447.2	729.3	1270.6	3078.9	7731.7	10821.2	11174.4	9607.4	5447.9
77.5°	211.2	225.4	289.3	472.0	715.1	1050.5	3304.2	5637.8	6312.1	5247.4	2358.4
80°	142.0	154.4	198.8	315.9	464.9	450.7	1052.3	2088.7	2569.6	1802.9	575.0
82.5°	95.8	97.6	142.0	207.6	294.6	218.3	310.5	649.5	816.3	521.7	218.3
85°	55.0	53.2	104.7	120.7	131.3	90.5	94.1	195.2	255.5	220.0	124.2
87.5°	7.1	10.6	40.8	31.9	17.7	19.5	19.5	33.7	49.7	53.2	26.6
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°	3078.9	3078.9	3078.9	3078.9	3078.9	3078.9	3078.9	3078.9	3078.9	3078.9	3078.9
2.5°	3082.4	3080.6	3075.3	3070.0	3057.6	3050.5	3054.0	3050.5	3048.7	3050.5	3057.6
5°	3105.5	3100.1	3086.0	3068.2	3043.4	3013.2	2993.7	2965.3	2938.7	2922.7	2926.2
7.5°	3167.6	3162.3	3142.7	3093.0	3013.2	2887.2	2771.9	2670.7	2594.4	2550.0	2551.8
10°	3267.0	3258.1	3227.9	3117.9	2908.5	2633.4	2404.5	2214.6	2090.4	2031.9	2026.5
12.5°	3384.1	3373.4	3320.2	3094.8	2709.7	2280.3	1964.4	1753.3	1637.9	1586.5	1581.1
15°	3522.5	3508.3	3403.6	2984.8	2420.5	1889.9	1600.6	1442.7	1368.2	1322.0	1323.8
17.5°	3694.6	3669.8	3465.7	2819.8	2106.4	1591.8	1377.1	1258.2	1192.5	1148.1	1144.6
20°	3918.2	3877.4	3515.4	2622.8	1817.1	1403.7	1226.2	1126.8	1077.2	1038.1	1031.0
22.5°	4230.5	4172.0	3575.7	2409.8	1613.1	1274.1	1114.4	1041.7	1000.8	956.5	949.4
25°	4617.4	4548.2	3650.3	2212.9	1472.9	1162.3	1032.8	972.5	924.5	873.1	867.8
27.5°	5158.6	5034.4	3739.0	2051.4	1352.2	1066.5	958.3	890.8	835.8	793.2	784.4
30°	5762.0	5557.9	3817.1	1953.8	1242.2	977.8	860.7	793.2	741.8	711.6	706.3
32.5°	6333.4	6056.6	3868.5	1911.2	1142.8	876.6	754.2	681.4	642.4	633.5	638.8
35°	6872.8	6507.3	3863.2	1870.4	1054.1	775.5	649.5	575.0	544.8	550.1	550.1
37.5°	7493.9	6988.2	3825.9	1806.5	981.3	683.2	559.0	493.3	466.7	468.5	475.6
40°	8216.2	7543.6	3802.9	1685.8	901.5	598.0	484.5	431.2	411.7	404.6	402.8
42.5°	8986.3	8081.3	3806.4	1549.2	802.1	521.7	433.0	388.6	370.9	365.6	363.8
45°	9760.1	8594.2	3811.7	1407.2	697.4	463.2	395.7	358.5	347.8	340.7	340.7
47.5°	10487.6	9030.7	3712.4	1254.6	594.5	418.8	365.6	340.7	331.8	323.0	323.0
50°	11165.5	9321.7	3472.8	1077.2	512.8	383.3	342.5	324.7	315.9	307.0	307.0
52.5°	11692.5	9367.9	3077.1	894.4	456.1	356.7	328.3	312.3	301.7	292.8	291.0
55°	11926.8	9078.6	2514.5	724.0	411.7	333.6	314.1	298.1	285.7	276.8	275.1
57.5°	11866.4	8469.9	1960.9	582.1	369.1	310.5	296.4	285.7	271.5	257.3	255.5
60°	11570.1	7655.4	1478.2	484.5	330.1	285.7	276.8	268.0	248.4	227.1	223.6
62.5°	11057.2	6631.5	1054.1	401.0	287.5	257.3	253.8	246.7	218.3	179.2	175.7
65°	10272.9	5387.5	709.8	333.6	246.7	225.4	227.1	214.7	177.5	133.1	129.5
67.5°	9126.5	3939.5	454.3	273.3	205.8	188.1	189.9	182.8	150.8	113.6	108.2
70°	7666.1	2608.6	296.4	207.6	165.0	145.5	156.2	157.9	127.8	92.3	88.7
72.5°	5620.0	1540.3	207.6	154.4	120.7	101.1	127.8	131.3	102.9	69.2	65.7
75°	3203.1	731.1	156.2	111.8	74.5	71.0	99.4	99.4	71.0	46.1	42.6
77.5°	1345.1	305.2	110.0	72.8	42.6	40.8	67.4	62.1	35.5	21.3	21.3
80°	388.6	136.6	58.6	35.5	17.7	16.0	26.6	19.5	8.9	3.5	3.5
82.5°	152.6	60.3	23.1	14.2	7.1	7.1	3.5	0.0	0.0	0.0	0.0
85°	90.5	24.8	10.6	5.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	23.1	5.3	3.5	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)