

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: P940437

Luminaire Tested: **GALN-SB3C-730-U-T3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P940437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3C-730-U-T3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22485 lumens
Efficiency: N/A
Efficacy: 150.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 149.1
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

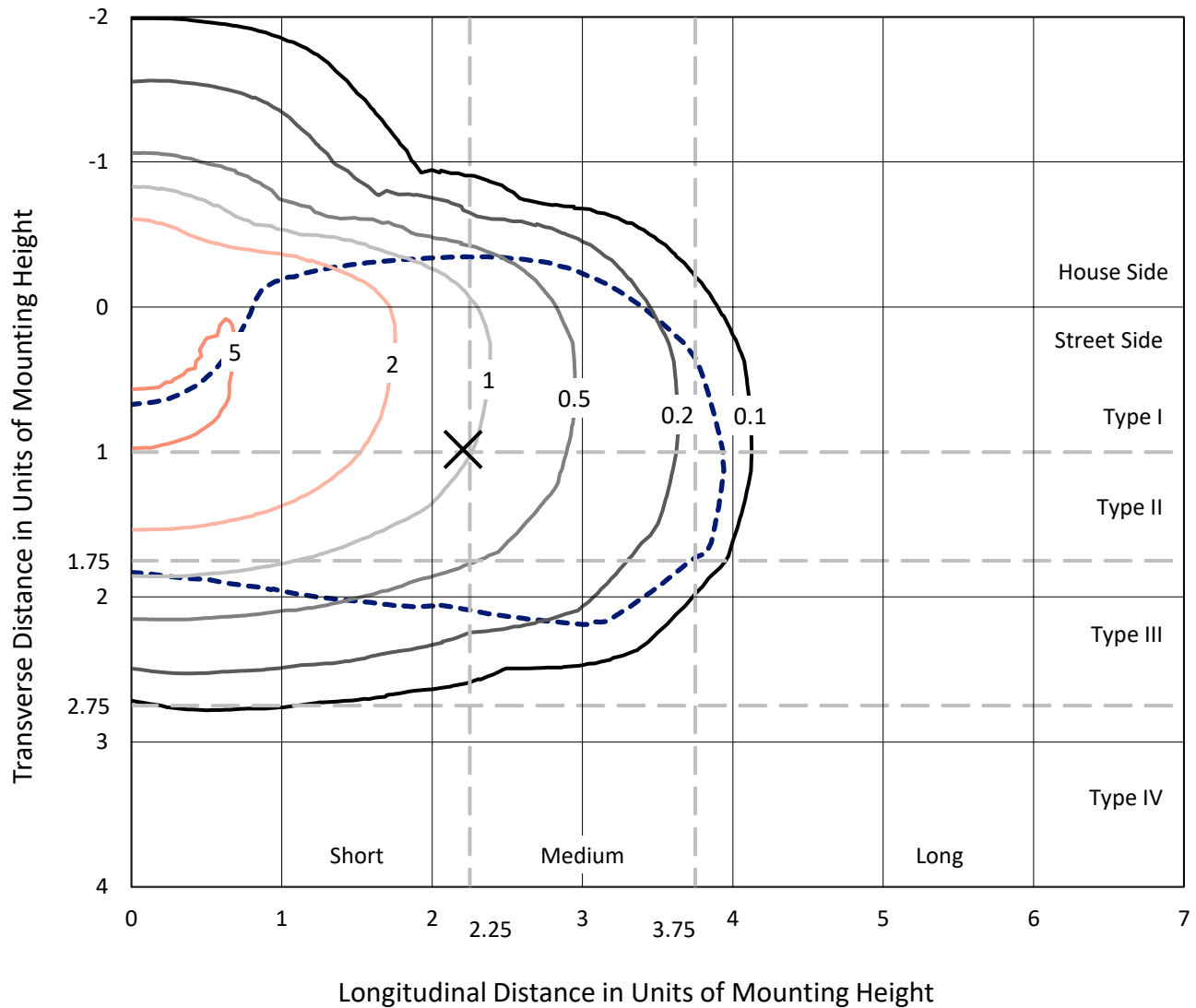


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

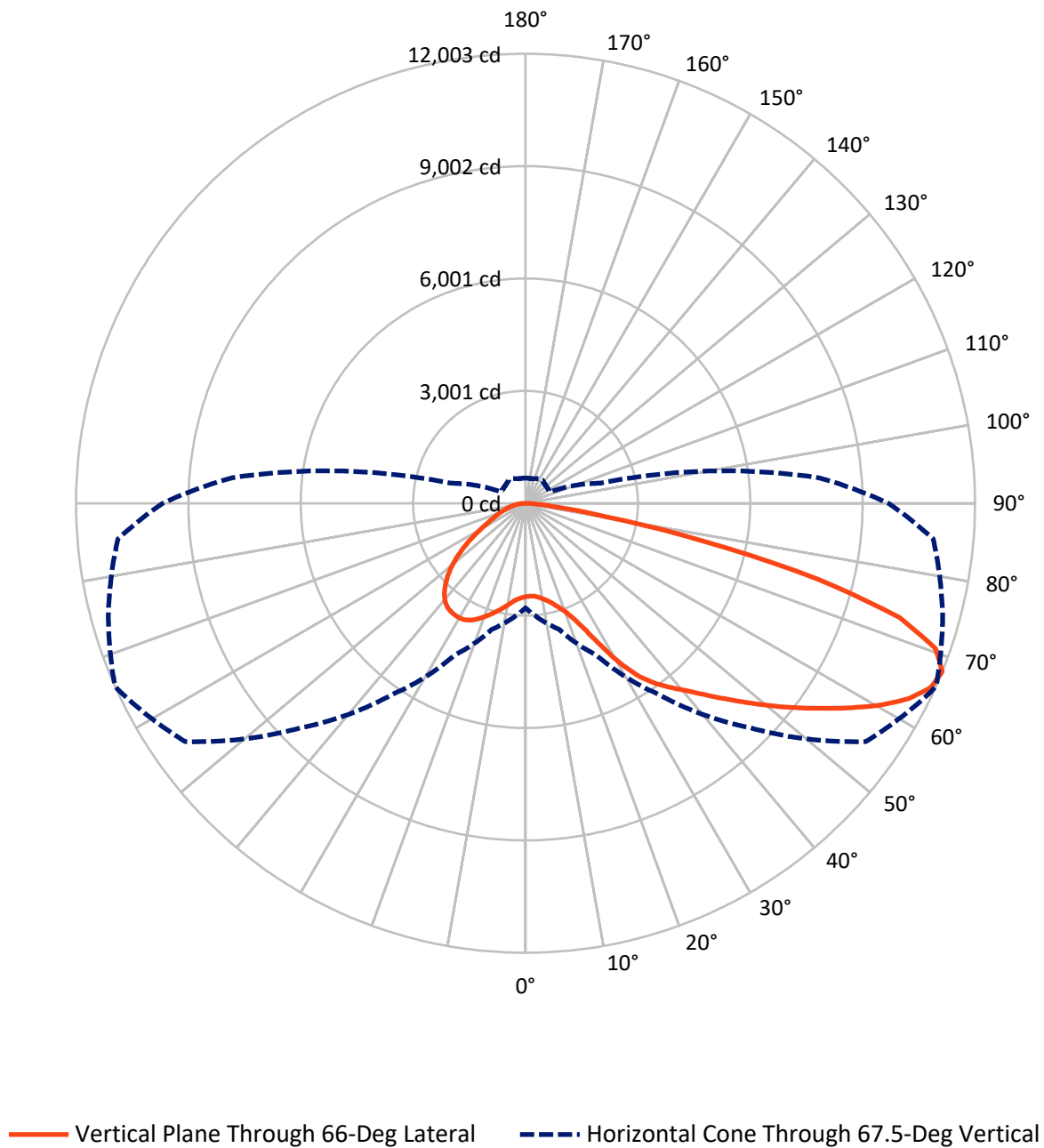


Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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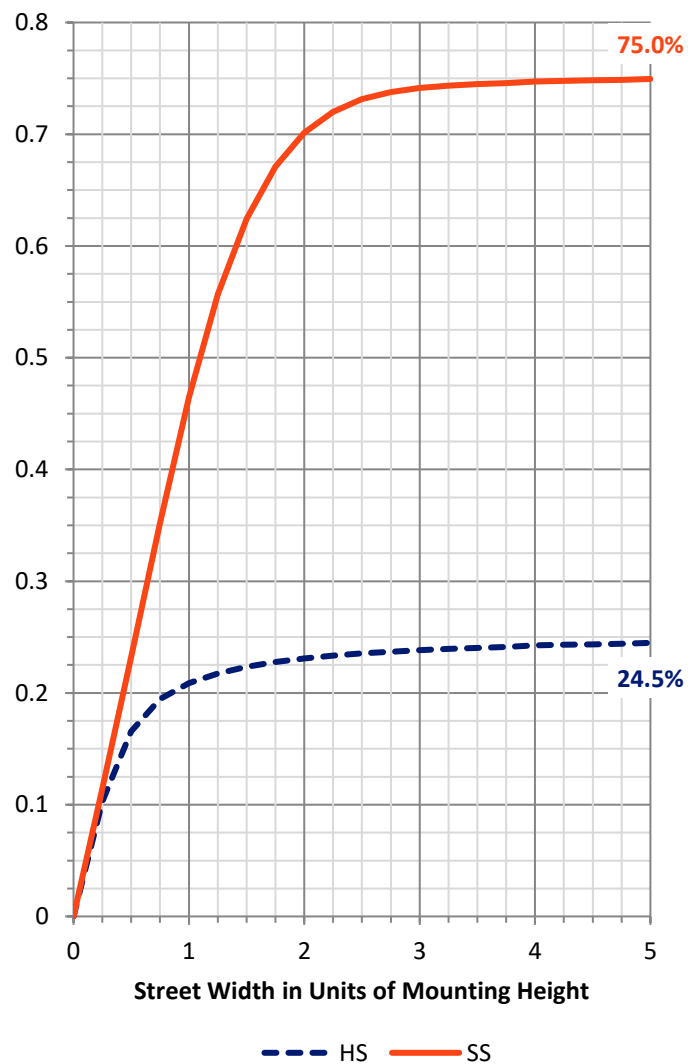
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5590.8	0.0	5590.8
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	16894.2	0.0	16894.2
	% Fixture	75.1	0.0	75.1
Total	Lumens	22485.0	0.0	22485.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.3	1.1
10°-20°	816.9	3.6
20°-30°	1574.5	7.0
30°-40°	2760.8	12.3
40°-50°	4104.4	18.3
50°-60°	5202.7	23.1
60°-70°	5090.7	22.6
70°-80°	2428.3	10.8
80°-90°	259.5	1.2
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°	22485.0	100.0
0°-180°	22485.0	100.0

Coefficient of Utilization



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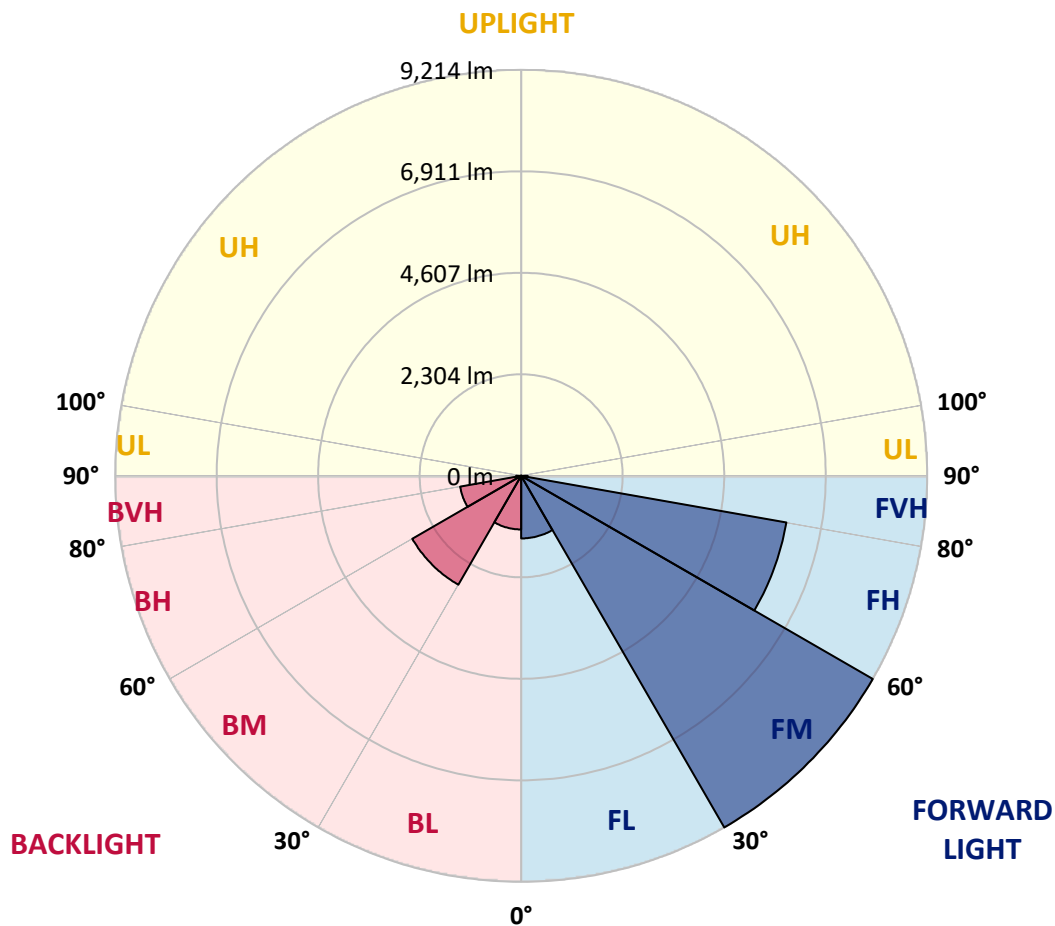
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1420.8	6.3			
FM	(30°-60°)	9214.2	41.0			
FH	(60°-80°)	6112.0	27.2			G3/7500
FVH	(80°-90°)	147.1	0.7			G2/225
BL	(0°-30°)	1217.9	5.4	B3/2500		
BM	(30°-60°)	2853.6	12.7	B3/5000		
BH	(60°-80°)	1406.9	6.3	B3/2500		G3/2500
BVH	(80°-90°)	112.4	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	2493.9	2493.9	2493.9	2493.9	2493.9	2493.9	2493.9	2493.9	2493.9	2493.9	2493.9
2.5°	2467.9	2482.1	2478.5	2472.6	2471.4	2473.8	2477.3	2480.9	2479.7	2485.6	2495.1
5°	2460.8	2475.0	2473.8	2473.8	2478.5	2488.0	2493.9	2499.8	2493.9	2501.0	2514.0
7.5°	2465.5	2476.2	2480.9	2485.6	2497.4	2515.1	2529.3	2542.3	2535.2	2543.5	2560.0
10°	2525.8	2534.1	2538.8	2538.8	2547.0	2567.1	2581.3	2604.9	2599.0	2612.0	2633.3
12.5°	2635.6	2643.9	2643.9	2639.2	2645.1	2658.1	2662.8	2688.8	2678.2	2699.4	2720.7
15°	2770.3	2786.9	2773.9	2765.6	2768.0	2781.0	2779.8	2799.9	2789.2	2806.9	2825.9
17.5°	2919.2	2940.4	2919.2	2918.0	2913.3	2927.4	2928.6	2946.4	2927.4	2940.4	2953.4
20°	3095.2	3124.7	3107.0	3112.9	3102.3	3108.2	3114.1	3140.1	3110.6	3120.0	3116.5
22.5°	3343.3	3378.7	3359.8	3382.3	3375.2	3370.5	3369.3	3415.4	3369.3	3372.8	3338.6
25°	3704.8	3747.3	3714.2	3745.0	3745.0	3760.3	3778.0	3837.1	3760.3	3737.9	3649.3
27.5°	4238.8	4281.3	4216.3	4235.2	4229.3	4267.1	4248.2	4394.7	4312.0	4275.4	4097.0
30°	4881.4	4957.1	4834.2	4829.5	4823.6	4883.8	4911.0	5007.9	4924.0	4887.4	4672.3
32.5°	5576.1	5655.2	5508.8	5466.2	5443.8	5480.4	5458.0	5535.9	5478.0	5421.3	5155.5
35°	6310.9	6388.9	6249.5	6166.8	6077.0	6000.2	5919.9	5940.0	5885.6	5799.4	5524.1
37.5°	7005.6	7148.5	7000.8	6912.2	6746.8	6596.8	6372.3	6279.0	6228.2	6149.1	5871.4
40°	7713.2	7794.7	7682.5	7606.9	7427.3	7192.2	6833.1	6635.8	6567.3	6490.5	6255.4
42.5°	8234.2	8312.2	8251.9	8199.9	8059.3	7786.4	7322.2	7075.3	6976.0	6889.8	6690.1
45°	8647.7	8705.6	8667.8	8686.7	8626.4	8361.8	7829.0	7546.6	7443.8	7338.7	7181.6
47.5°	8814.2	8875.7	8935.9	9048.2	9150.9	8956.0	8373.6	8057.0	7948.3	7840.8	7686.0
50°	8795.3	8858.0	9032.8	9271.4	9590.4	9525.4	8947.7	8600.4	8500.0	8377.1	8234.2
52.5°	8644.1	8715.0	8939.5	9336.4	9844.4	9951.9	9532.5	9161.6	9067.1	8920.6	8777.6
55°	8247.2	8289.7	8626.4	9188.7	9904.7	10249.6	10105.5	9759.3	9664.8	9460.5	9304.5
57.5°	7511.2	7572.6	8062.9	8790.6	9753.4	10451.6	10608.8	10387.8	10296.9	10002.7	9839.7
60°	6550.7	6648.8	7209.9	8122.0	9368.3	10450.4	11065.9	11005.7	10930.1	10536.7	10366.6
62.5°	5463.9	5577.3	6117.2	7176.9	8694.9	10153.9	11351.8	11523.1	11484.2	11029.3	10811.9
65°	4196.2	4274.2	4811.7	5954.1	7647.0	9517.2	11384.9	11876.4	11883.5	11403.8	11044.7
67.5°	2794.0	3018.4	3485.1	4468.0	6243.6	8476.4	11094.3	11934.3	12002.8	11532.6	10927.7
70°	1363.3	1658.7	2115.8	2903.8	4468.0	6880.3	10334.7	11459.3	11611.7	11156.9	10230.7
72.5°	565.9	661.6	910.8	1433.0	2564.8	4642.8	8808.3	10171.6	10454.0	9885.8	8601.6
75°	381.6	413.5	521.0	734.8	1168.4	2289.5	6352.3	7584.4	8039.3	7466.3	6103.0
77.5°	294.2	314.2	379.2	513.9	694.6	865.9	3400.0	4570.7	4805.8	4449.1	3175.5
80°	231.5	246.9	283.5	374.5	492.6	463.1	1158.9	2071.0	2206.8	1851.2	1020.7
82.5°	200.8	206.7	203.2	254.0	327.2	270.5	380.4	764.3	843.5	612.0	333.1
85°	145.3	161.8	168.9	157.1	173.7	137.0	155.9	270.5	297.7	265.8	187.8
87.5°	59.1	87.4	107.5	101.6	63.8	39.0	48.4	79.2	91.0	99.2	61.4
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°	2493.9	2493.9	2493.9	2493.9	2493.9	2493.9	2493.9	2493.9	2493.9	2493.9	2493.9
2.5°	2496.2	2504.5	2510.4	2517.5	2522.2	2529.3	2543.5	2551.8	2553.0	2558.9	2557.7
5°	2518.7	2530.5	2543.5	2562.4	2583.7	2601.4	2628.6	2647.5	2654.6	2660.5	2659.3
7.5°	2567.1	2583.7	2607.3	2640.4	2671.1	2694.7	2727.8	2750.2	2772.7	2781.0	2782.1
10°	2639.2	2662.8	2697.1	2742.0	2775.1	2805.8	2840.0	2858.9	2881.4	2890.8	2895.6
12.5°	2729.0	2753.8	2798.7	2861.3	2892.0	2913.3	2925.1	2920.4	2925.1	2933.4	2935.7
15°	2831.8	2858.9	2909.7	2977.1	2998.3	2979.4	2953.4	2929.8	2926.3	2928.6	2936.9
17.5°	2953.4	2973.5	3032.6	3089.3	3073.9	2996.0	2939.3	2901.5	2882.6	2876.6	2884.9
20°	3123.6	3123.6	3172.0	3207.4	3104.7	2972.3	2883.7	2822.3	2783.3	2766.8	2763.2
22.5°	3330.3	3311.4	3342.1	3317.3	3098.7	2906.2	2783.3	2677.0	2617.9	2594.3	2590.8
25°	3592.6	3570.1	3561.8	3408.3	3056.2	2801.0	2601.4	2472.6	2420.6	2407.6	2410.0
27.5°	3988.3	3931.6	3824.1	3457.9	2978.2	2635.6	2388.7	2269.4	2239.9	2241.1	2244.6
30°	4515.2	4401.8	4138.4	3466.2	2850.7	2401.7	2171.4	2086.3	2072.1	2078.0	2098.1
32.5°	5003.1	4895.6	4459.7	3428.4	2654.6	2172.5	1976.4	1919.7	1898.5	1905.6	1915.0
35°	5385.9	5356.4	4757.4	3375.2	2413.6	1957.5	1801.6	1753.2	1711.8	1702.4	1709.5
37.5°	5747.4	5735.6	4980.7	3300.8	2174.9	1805.1	1661.0	1597.2	1537.0	1503.9	1505.1
40°	6144.3	6132.5	5127.2	3186.2	1963.4	1672.8	1534.6	1450.7	1376.3	1316.1	1322.0
42.5°	6590.9	6521.2	5196.9	3022.0	1783.9	1560.6	1431.8	1318.4	1220.4	1164.8	1168.4
45°	7078.8	6921.7	5195.7	2812.9	1632.7	1457.8	1322.0	1161.3	1070.3	1018.3	1016.0
47.5°	7596.2	7304.4	5131.9	2581.3	1486.2	1344.4	1151.8	1029.0	968.7	936.8	929.7
50°	8130.2	7662.4	5023.2	2315.5	1336.1	1215.6	1045.5	961.6	915.6	886.0	875.4
52.5°	8632.3	7987.3	4892.1	2014.2	1183.7	1090.4	998.3	933.3	884.9	851.8	837.6
55°	9099.0	8267.3	4706.6	1705.9	1059.7	1006.5	975.8	921.5	865.9	827.0	811.6
57.5°	9513.6	8449.2	4386.4	1416.5	971.1	948.6	952.2	901.4	837.6	804.5	783.3
60°	9858.6	8582.7	3912.7	1148.3	899.0	891.9	915.6	863.6	789.2	751.4	734.8
62.5°	10065.3	8580.3	3331.5	940.4	837.6	840.0	867.1	816.3	740.7	705.3	694.6
65°	10047.6	8370.0	2693.5	804.5	778.5	780.9	816.3	764.3	700.6	679.3	678.1
67.5°	9692.0	7857.3	2066.2	715.9	713.6	724.2	765.5	728.9	675.7	673.4	676.9
70°	8729.2	6792.9	1488.5	645.0	646.2	661.6	715.9	706.5	662.8	667.5	666.3
72.5°	6999.6	5179.2	999.4	570.6	571.8	596.6	668.7	688.7	649.8	712.4	721.8
75°	4661.7	3229.9	642.7	491.5	492.6	524.5	627.3	654.5	614.3	710.0	715.9
77.5°	2239.9	1451.9	465.5	413.5	413.5	443.0	542.3	586.0	523.3	551.7	505.6
80°	773.8	545.8	366.2	333.1	326.1	346.1	457.2	508.0	451.3	415.8	389.9
82.5°	304.8	283.5	294.2	258.7	235.1	248.1	355.6	419.4	332.0	300.1	298.9
85°	174.8	184.3	207.9	171.3	135.9	152.4	261.1	301.3	250.5	220.9	225.6
87.5°	47.3	65.0	95.7	88.6	61.4	65.0	124.0	166.6	144.1	111.0	114.6
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)