

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: P948416

Luminaire Tested: **GALN-SB3C-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948416
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-SB3C-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18811 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - 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

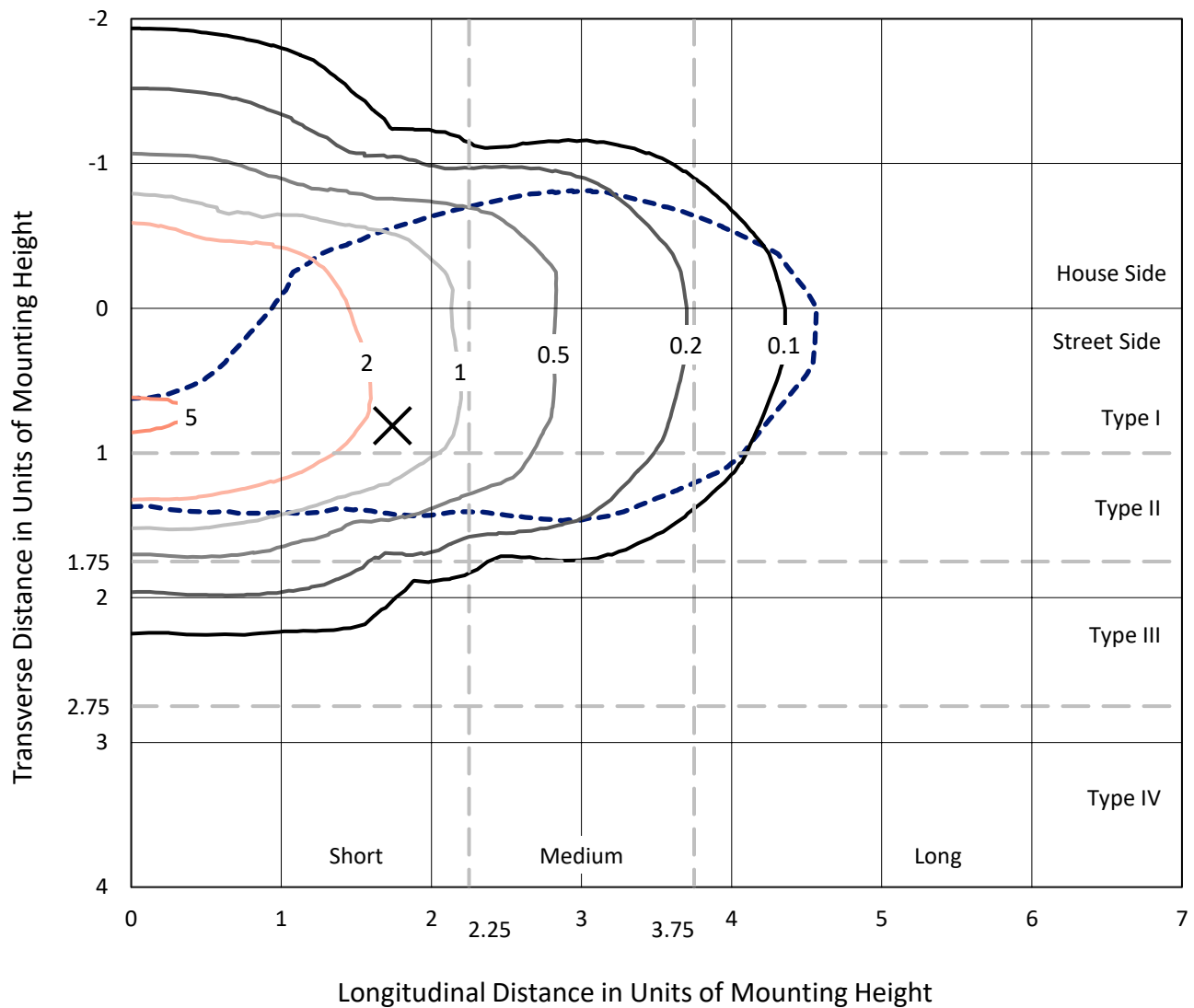


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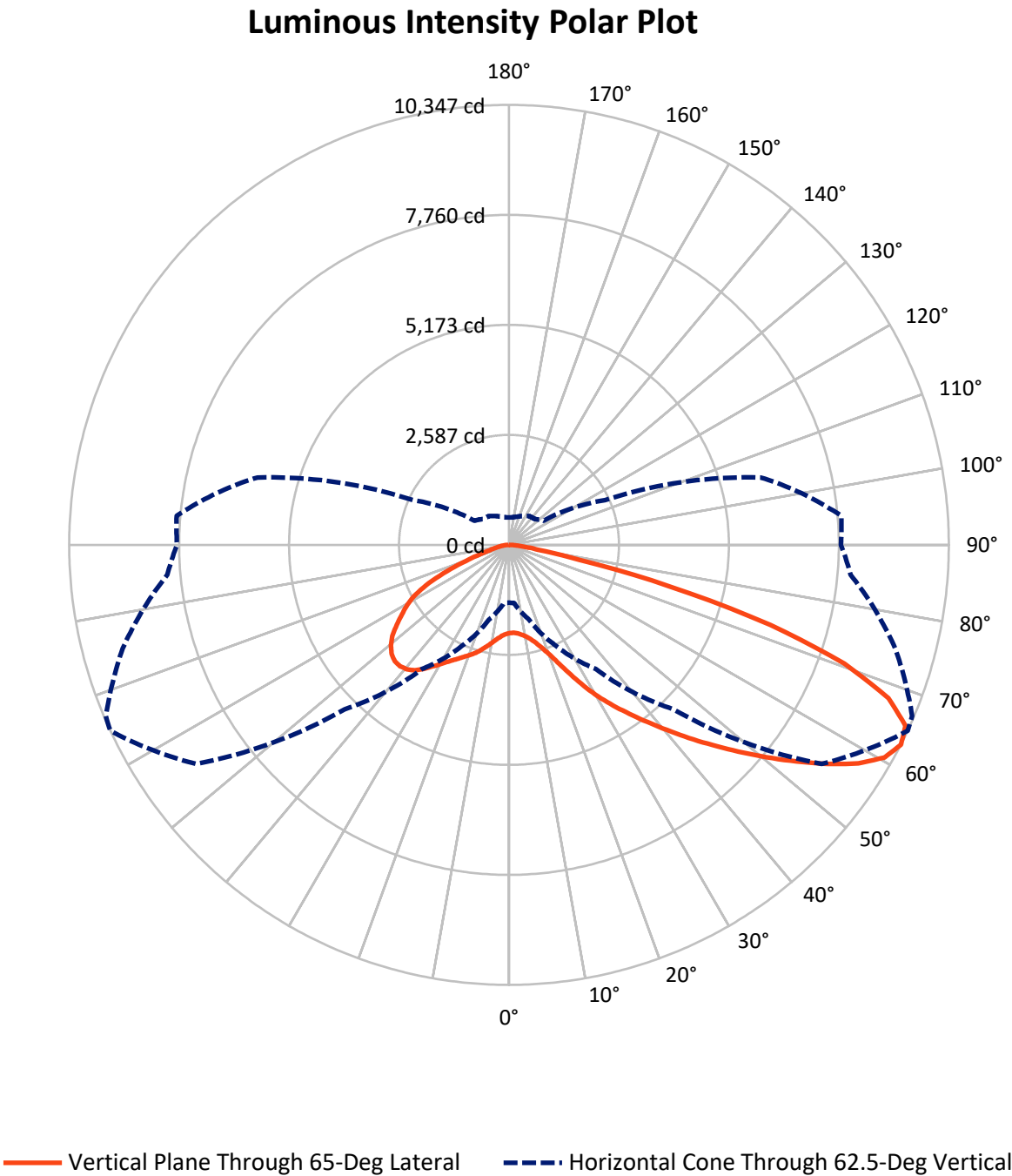
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
Type II - Short - N/A

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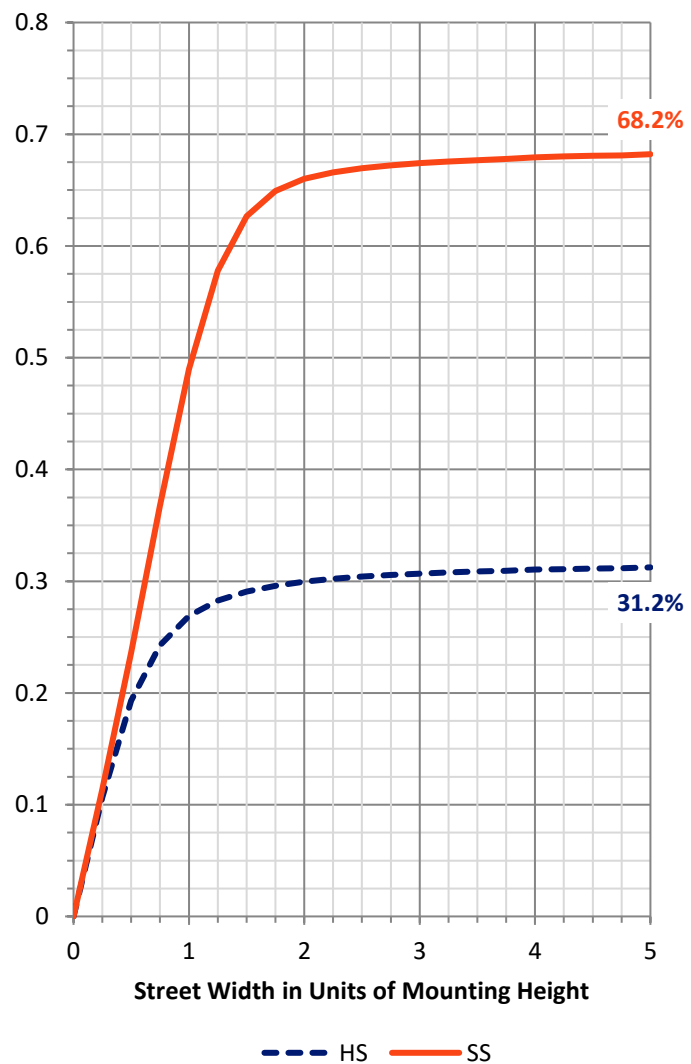
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5935.9	0.0	5935.9
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	12875.1	0.0	12875.1
	% Fixture	68.4	0.0	68.4
Total	Lumens	18811.0	0.0	18811.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.7	1.1
10°-20°	700.8	3.7
20°-30°	1421.0	7.6
30°-40°	2459.0	13.1
40°-50°	3721.2	19.8
50°-60°	4362.9	23.2
60°-70°	3657.8	19.4
70°-80°	2019.4	10.7
80°-90°	262.3	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°	18811.0	100.0
0°-180°	18811.0	100.0

Coefficient of Utilization



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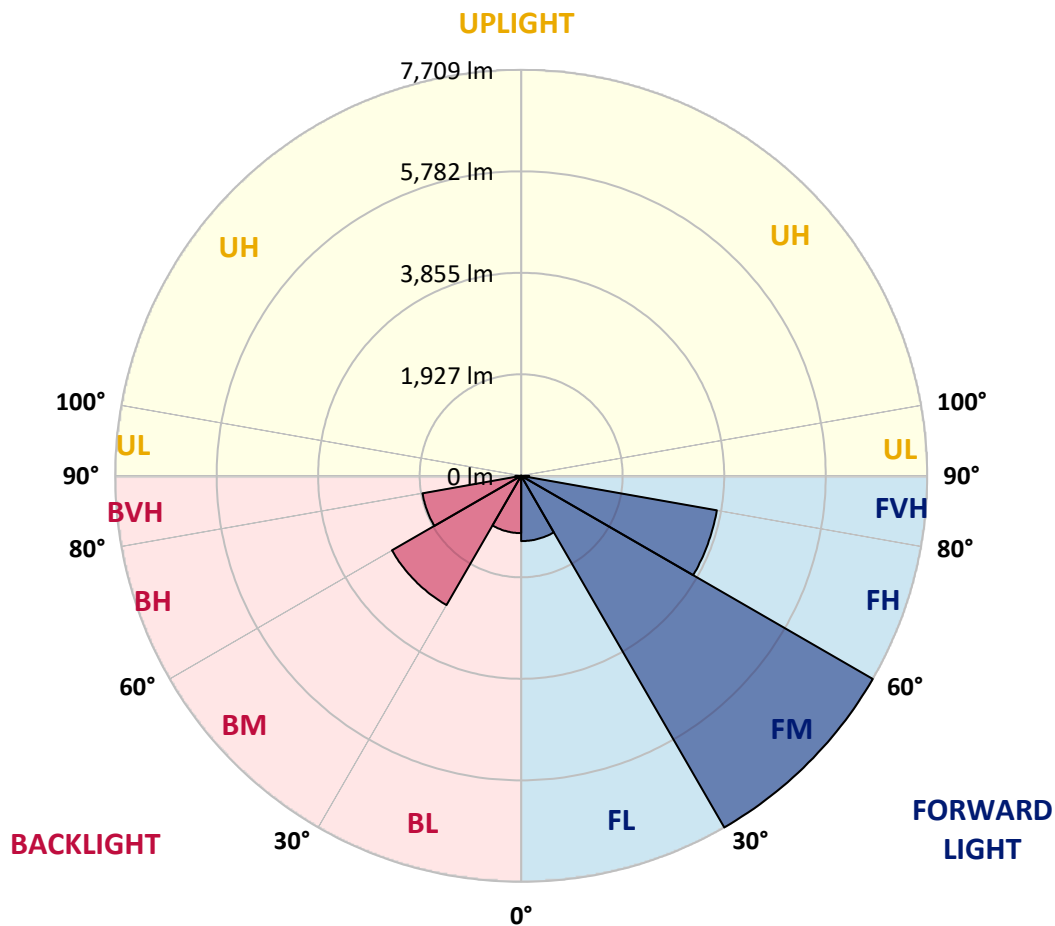
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1239.9	6.6			
FM	(30°-60°)	7709.4	41.0			
FH	(60°-80°)	3772.9	20.1			G2/5000
FVH	(80°-90°)	152.9	0.8			G2/225
BL	(0°-30°)	1088.6	5.8	B3/2500		
BM	(30°-60°)	2833.7	15.1	B3/5000		
BH	(60°-80°)	1904.2	10.1	B3/2500		G3/2500
BVH	(80°-90°)	109.4	0.6			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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	2072.9	2072.9	2072.9	2072.9	2072.9	2072.9	2072.9	2072.9	2072.9	2072.9	2072.9
2.5°	2059.2	2053.4	2058.3	2058.3	2060.2	2059.2	2066.1	2068.0	2070.9	2076.8	2076.8
5°	2038.7	2037.8	2046.5	2054.3	2062.2	2069.0	2077.8	2090.5	2092.4	2099.2	2108.0
7.5°	2031.9	2026.0	2039.7	2049.5	2068.0	2084.6	2108.0	2129.5	2138.3	2141.2	2157.8
10°	2084.6	2074.8	2087.5	2093.4	2109.0	2125.6	2152.9	2187.1	2196.8	2208.5	2227.1
12.5°	2174.4	2163.7	2182.2	2191.0	2205.6	2220.3	2238.8	2272.0	2276.9	2298.3	2315.9
15°	2297.4	2284.7	2296.4	2307.1	2331.5	2345.2	2363.7	2395.9	2395.9	2412.5	2425.2
17.5°	2464.2	2447.7	2456.4	2460.3	2476.0	2496.4	2527.7	2556.0	2570.6	2564.8	2547.2
20°	2713.1	2692.6	2692.6	2673.1	2667.2	2683.8	2724.8	2763.9	2779.5	2749.2	2706.3
22.5°	3086.9	3057.6	3041.0	2974.7	2948.3	2950.3	2991.2	3039.1	3051.8	2998.1	2901.5
25°	3562.2	3516.3	3493.9	3396.3	3336.7	3285.0	3317.2	3378.7	3396.3	3329.9	3173.7
27.5°	4037.5	4040.4	4018.9	3901.8	3803.2	3708.6	3692.0	3756.4	3774.9	3699.8	3506.5
30°	4704.0	4634.7	4593.7	4453.2	4312.7	4179.9	4111.6	4138.0	4142.9	4053.1	3828.6
32.5°	5278.8	5261.3	5173.4	5050.5	4869.9	4662.1	4547.9	4505.9	4498.1	4370.2	4103.8
35°	5933.7	5923.9	5831.2	5684.8	5489.6	5200.8	4994.8	4874.8	4865.0	4685.5	4376.1
37.5°	6599.3	6599.3	6508.5	6348.5	6146.5	5785.4	5472.1	5281.8	5250.5	5016.3	4653.3
40°	7130.2	7098.0	7114.6	7047.2	6815.9	6432.4	6002.0	5725.8	5683.9	5402.8	4948.0
42.5°	7431.8	7421.0	7520.6	7595.7	7501.1	7194.6	6585.6	6207.0	6148.4	5828.3	5287.6
45°	7499.1	7487.4	7665.0	7940.2	8073.0	7947.1	7220.0	6713.5	6642.2	6273.3	5651.7
47.5°	7343.9	7320.5	7581.1	8015.4	8440.9	8662.4	7907.0	7262.9	7159.5	6706.6	6025.4
50°	6877.4	6855.0	7249.3	7826.0	8564.8	9148.4	8652.7	7845.6	7687.5	7171.2	6403.1
52.5°	5863.4	5874.2	6491.9	7284.4	8401.8	9451.0	9294.8	8459.4	8269.1	7646.5	6757.4
55°	4567.4	4590.8	5350.1	6222.6	7749.9	9405.1	9733.0	9091.8	8902.5	8093.4	7123.4
57.5°	3270.4	3373.8	4085.3	4949.0	6497.8	8678.0	9828.7	9693.0	9509.5	8581.4	7481.5
60°	2119.7	2138.3	2870.2	3740.8	4948.0	7385.9	9634.5	10148.8	10005.3	9079.1	7781.1
62.5°	1358.5	1371.2	1817.2	2616.5	3561.2	5464.3	8980.6	10346.9	10303.0	9408.0	8069.0
65°	998.4	988.6	1220.9	1729.4	2398.9	3369.9	7710.9	10251.2	10338.1	9614.0	8307.2
67.5°	833.5	819.8	934.0	1197.5	1767.4	1913.8	5705.3	9629.6	9947.7	9590.5	8481.9
70°	759.3	747.6	816.9	889.1	1379.0	1281.4	2876.1	8371.6	8861.5	9324.1	8453.6
72.5°	643.1	622.6	717.3	789.5	1072.6	982.8	1188.7	6430.5	7027.7	8470.2	8055.4
75°	498.7	485.0	566.0	694.9	806.1	767.1	751.5	3904.7	4556.7	6550.5	7047.2
77.5°	395.3	376.7	450.9	541.6	725.1	578.7	547.5	1681.5	2327.6	4181.9	5273.0
80°	297.7	281.1	342.6	428.4	557.3	436.2	354.3	686.1	877.4	2118.8	2651.6
82.5°	211.8	197.1	239.1	314.3	374.8	391.4	217.6	384.5	432.3	816.9	592.4
85°	135.7	126.9	160.1	197.1	238.1	251.8	132.7	201.0	220.6	336.7	246.9
87.5°	74.2	60.5	85.9	91.7	110.3	100.5	63.4	73.2	79.1	122.0	104.4
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°	2072.9	2072.9	2072.9	2072.9	2072.9	2072.9	2072.9	2072.9	2072.9	2072.9	2072.9
2.5°	2080.7	2083.6	2093.4	2096.3	2103.1	2111.9	2117.8	2123.6	2123.6	2129.5	2129.5
5°	2109.0	2115.8	2136.3	2147.1	2164.6	2182.2	2192.9	2205.6	2213.4	2217.3	2219.3
7.5°	2163.7	2174.4	2203.7	2222.2	2252.5	2276.9	2293.5	2311.0	2314.9	2325.7	2321.8
10°	2237.8	2250.5	2283.7	2318.8	2354.9	2385.2	2400.8	2413.5	2418.4	2420.3	2415.4
12.5°	2322.7	2341.3	2384.2	2427.2	2465.2	2491.6	2495.5	2492.5	2478.9	2467.2	2467.2
15°	2427.2	2443.7	2491.6	2538.4	2575.5	2580.4	2556.0	2540.4	2523.8	2520.8	2520.8
17.5°	2552.1	2560.9	2604.8	2650.6	2653.6	2637.0	2600.9	2586.2	2570.6	2559.9	2560.9
20°	2697.5	2694.6	2725.8	2745.3	2724.8	2674.1	2619.4	2595.0	2579.4	2566.7	2567.7
22.5°	2871.2	2848.8	2844.9	2840.0	2785.3	2678.9	2604.8	2573.5	2549.1	2531.6	2537.4
25°	3124.0	3038.1	2978.6	2945.4	2822.4	2652.6	2557.9	2488.6	2442.8	2412.5	2424.2
27.5°	3440.2	3295.7	3145.4	3064.4	2822.4	2598.9	2444.7	2332.5	2257.3	2226.1	2241.7
30°	3741.7	3590.5	3368.9	3207.9	2815.6	2511.1	2262.2	2106.1	2018.2	1987.0	2005.6
32.5°	3999.4	3834.5	3606.1	3365.0	2799.0	2368.6	2035.8	1863.1	1778.2	1741.1	1759.6
35°	4238.5	4062.8	3844.2	3537.8	2755.1	2159.7	1786.9	1655.2	1560.5	1501.0	1520.5
37.5°	4483.5	4274.6	4069.7	3693.9	2676.0	1915.8	1595.7	1483.4	1372.2	1292.1	1313.6
40°	4749.9	4500.0	4310.7	3786.6	2546.2	1683.5	1447.3	1344.8	1226.8	1141.8	1158.4
42.5°	5061.2	4770.4	4579.1	3834.5	2368.6	1518.6	1350.7	1250.2	1138.9	1069.6	1083.3
45°	5386.2	5068.0	4824.1	3833.5	2170.5	1441.5	1319.5	1219.9	1097.0	1024.7	1036.4
47.5°	5726.8	5379.4	5035.8	3771.0	1998.7	1452.2	1301.9	1154.5	1018.9	948.6	958.4
50°	6068.4	5720.0	5240.8	3653.9	1925.5	1428.8	1236.5	1062.8	902.7	839.3	843.2
52.5°	6407.0	6082.0	5417.4	3487.0	1851.4	1341.9	1152.6	943.7	854.9	811.0	811.0
55°	6747.6	6440.2	5609.7	3244.0	1665.9	1240.4	1012.0	898.8	816.9	776.8	772.9
57.5°	7089.2	6854.0	5792.2	3001.0	1432.7	1115.5	934.9	844.2	778.8	744.6	738.8
60°	7444.4	7327.3	5980.5	2777.5	1202.4	955.4	878.3	800.3	733.9	695.8	692.9
62.5°	7810.4	7848.5	6127.9	2489.6	990.6	857.8	827.6	747.6	683.2	647.0	646.1
65°	8179.3	8351.1	6224.5	2090.5	803.2	765.1	772.9	690.0	624.6	593.4	592.4
67.5°	8457.5	8713.2	6197.2	1582.0	658.8	677.3	704.6	629.5	568.0	543.6	544.6
70°	8488.7	8670.2	5927.8	1083.3	551.4	591.4	628.5	569.9	506.5	488.9	489.9
72.5°	8073.0	8084.7	5177.3	707.6	466.5	519.2	548.5	509.4	448.0	430.4	429.4
75°	6982.8	6686.1	3801.3	466.5	390.4	446.0	473.3	446.0	386.5	390.4	376.7
77.5°	5290.6	4735.2	2308.1	331.8	326.0	374.8	411.8	392.3	341.6	383.5	337.7
80°	2725.8	2561.8	1029.6	247.9	257.6	299.6	338.7	313.3	270.3	257.6	235.2
82.5°	624.6	726.1	406.0	177.6	186.4	215.7	258.6	235.2	194.2	164.0	162.0
85°	218.6	239.1	179.6	111.3	109.3	134.7	175.7	157.1	131.8	105.4	111.3
87.5°	69.3	90.8	67.3	44.9	46.8	60.5	81.0	74.2	61.5	40.0	42.0
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)