

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: P948057

Luminaire Tested: **GALN-SB3B-722-U-T2R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948057
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3B-722-U-T2R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14216 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 109.2
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

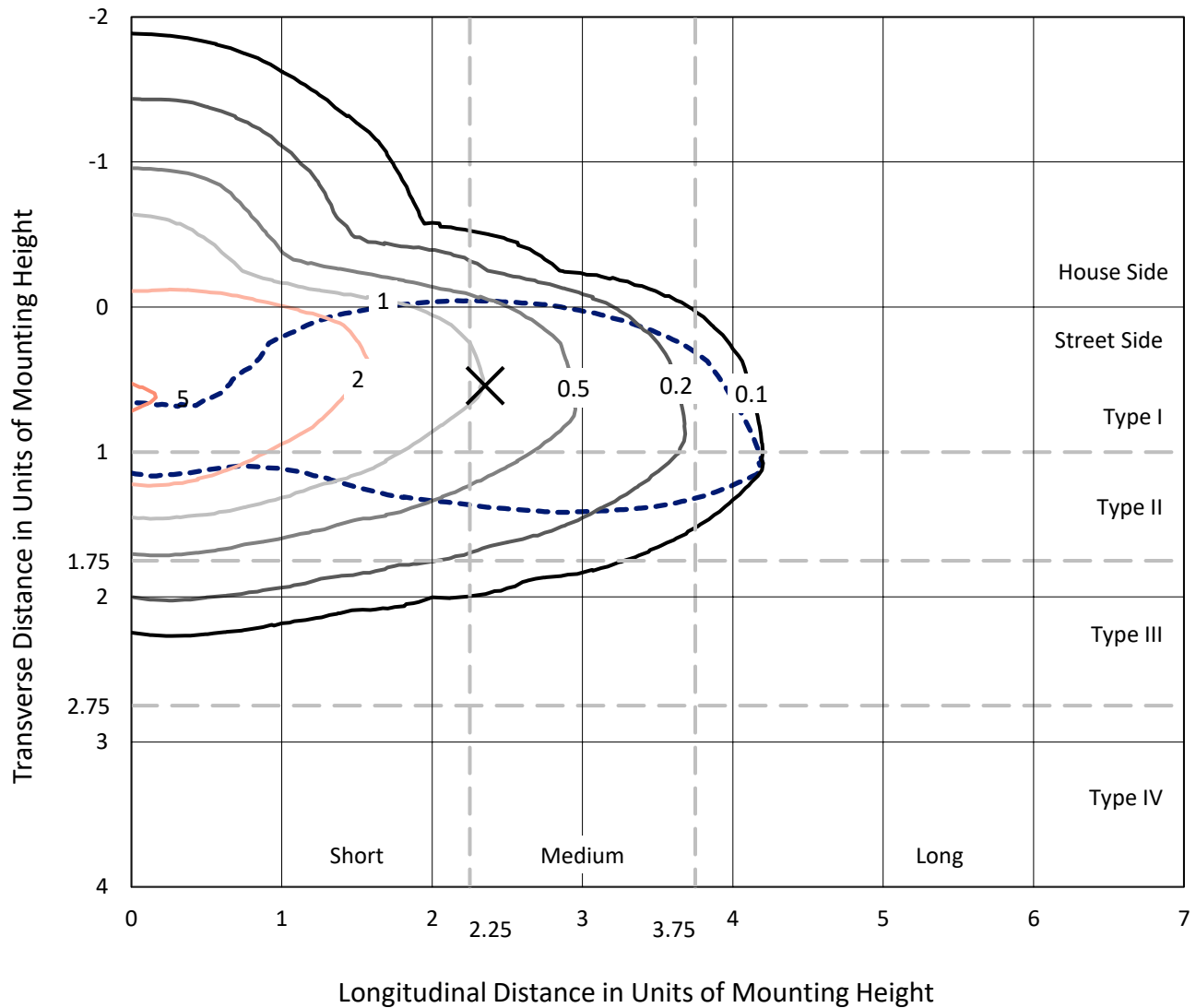


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Iso-Footcandle Lines of Horizontal Illumination

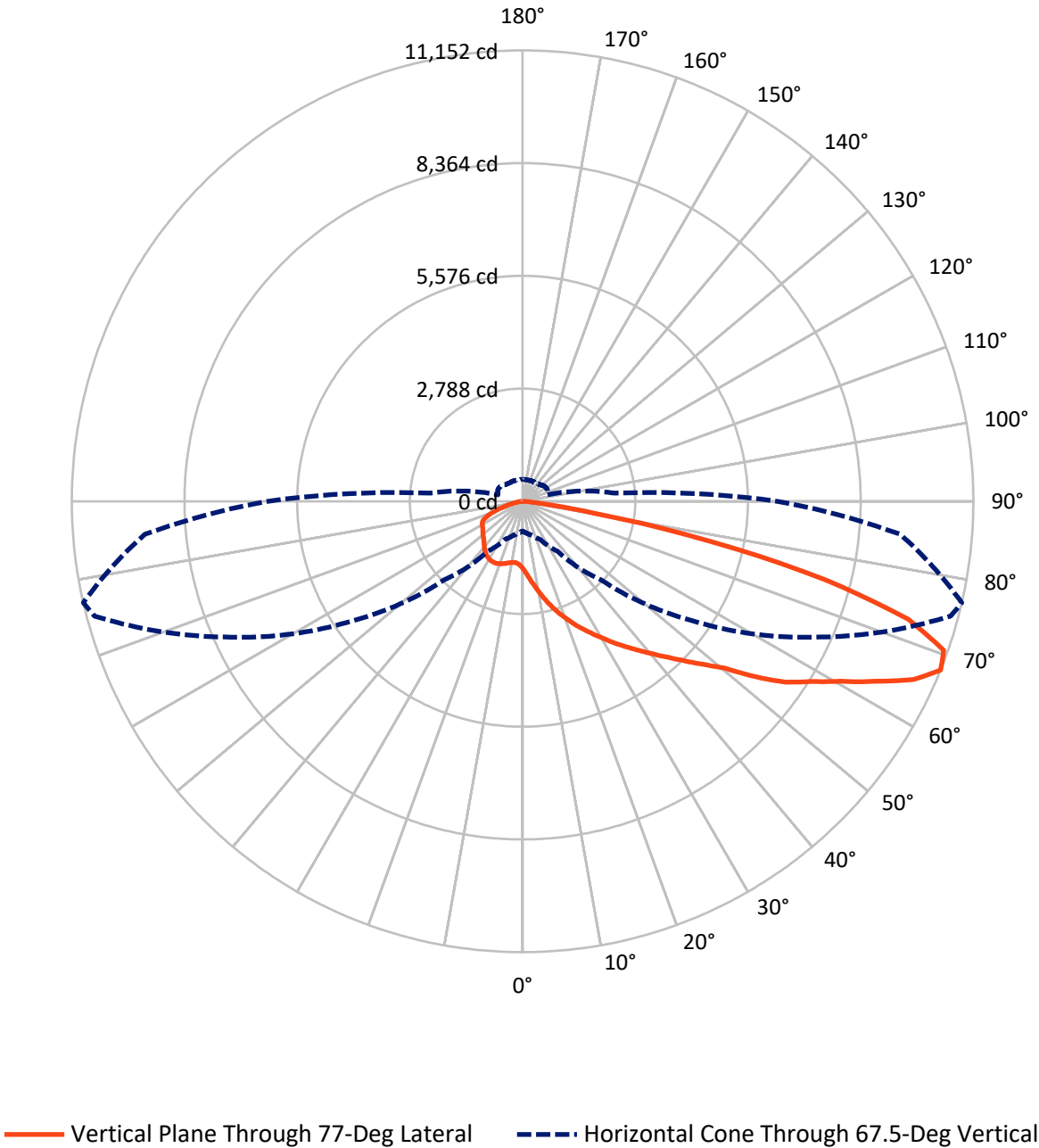
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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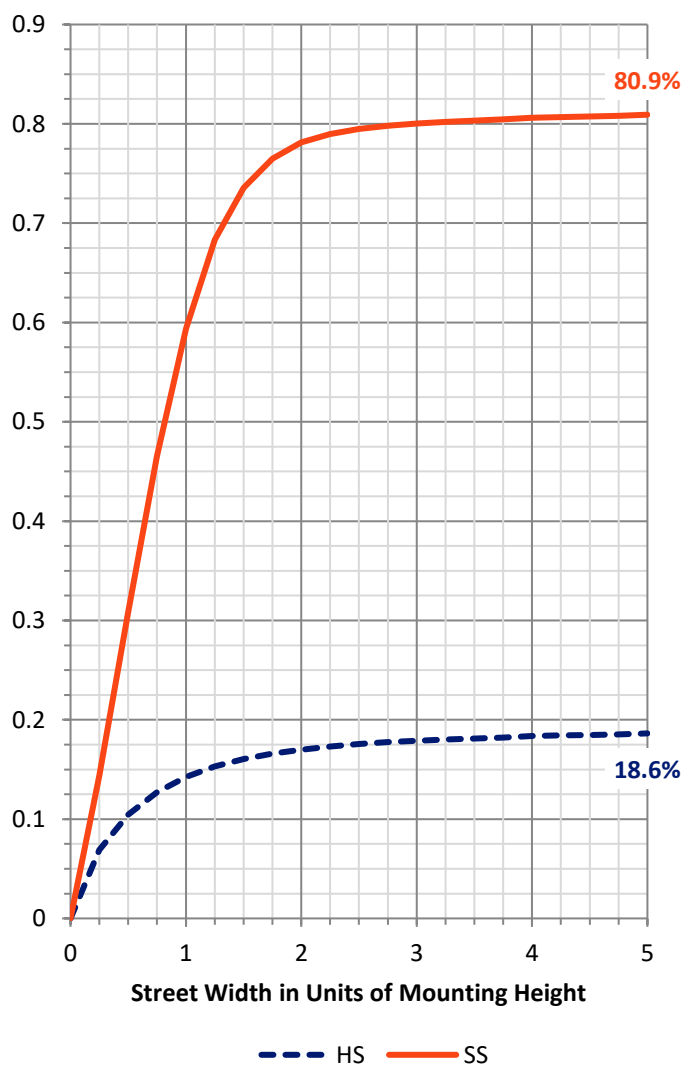
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2689.1	0.0	2689.1
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	11526.9	0.0	11526.9
	% Fixture	81.1	0.0	81.1
Total	Lumens	14216.0	0.0	14216.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.8	1.3
10°-20°	642.3	4.5
20°-30°	1212.7	8.5
30°-40°	1953.7	13.7
40°-50°	2672.3	18.8
50°-60°	3014.4	21.2
60°-70°	2813.5	19.8
70°-80°	1542.3	10.8
80°-90°	186.0	1.3
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°	14216.0	100.0
0°-180°	14216.0	100.0

Coefficient of Utilization



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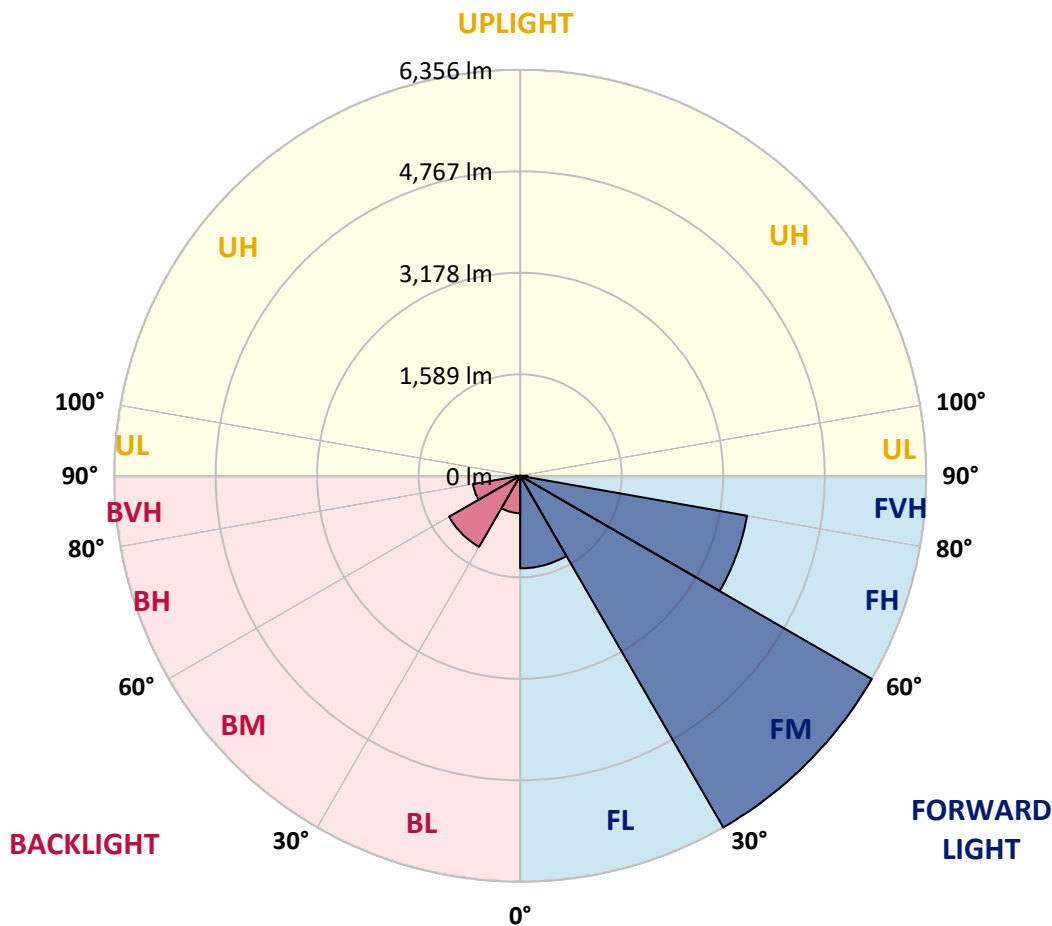
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1449.1	10.2			
FM	(30°-60°)	6355.8	44.7			
FH	(60°-80°)	3605.6	25.4			G2/5000
FVH	(80°-90°)	116.3	0.8			G2/225
BL	(0°-30°)	584.7	4.1	B2/1000		
BM	(30°-60°)	1284.5	9.0	B2/2500		
BH	(60°-80°)	750.2	5.3	B2/1000		G2/1000
BVH	(80°-90°)	69.7	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0
2.5°	2088.5	2103.1	2084.8	2084.8	2023.1	1990.9	1929.2	1882.3	1797.9	1783.2	1727.4
5°	2468.6	2486.9	2461.2	2450.2	2377.6	2310.8	2207.3	2105.3	1954.9	1939.5	1808.1
7.5°	2762.8	2786.3	2763.6	2751.8	2687.3	2612.4	2491.3	2349.0	2136.9	2106.8	1916.7
10°	3002.8	3006.5	2999.1	3003.5	2952.9	2891.3	2767.2	2601.4	2336.5	2295.4	2048.1
12.5°	3138.6	3155.4	3170.1	3196.5	3187.7	3149.6	3038.0	2839.9	2547.8	2495.0	2191.2
15°	3202.4	3231.8	3264.8	3325.7	3374.8	3384.4	3299.3	3096.0	2762.8	2699.0	2335.8
17.5°	3225.1	3253.0	3305.1	3393.2	3498.9	3570.0	3531.9	3344.8	2975.7	2902.3	2487.7
20°	3340.4	3348.4	3380.0	3463.6	3578.1	3696.3	3724.9	3584.0	3186.3	3103.3	2644.7
22.5°	3586.9	3570.8	3579.6	3617.7	3699.9	3814.4	3879.7	3795.3	3402.7	3307.3	2803.2
25°	3994.2	3947.2	3900.3	3856.2	3898.1	3962.6	4036.8	4006.7	3629.5	3508.4	2963.2
27.5°	4508.6	4451.4	4347.9	4203.3	4152.7	4175.4	4208.5	4202.6	3839.4	3716.8	3128.3
30°	5014.9	4948.2	4824.9	4615.7	4482.2	4422.0	4397.1	4380.2	4067.6	3937.0	3294.9
32.5°	5419.3	5366.4	5245.4	5011.3	4817.5	4714.8	4631.9	4571.7	4306.1	4175.4	3471.0
35°	5773.0	5723.8	5585.1	5329.8	5119.1	5009.8	4901.2	4772.8	4554.1	4422.0	3660.3
37.5°	6095.9	6046.7	5856.6	5591.0	5378.9	5303.3	5206.5	4988.5	4802.9	4678.1	3860.6
40°	6299.9	6288.9	6111.3	5810.4	5590.3	5552.8	5520.5	5238.8	5078.8	4962.8	4080.8
42.5°	6352.0	6376.2	6235.3	5988.0	5778.1	5748.0	5823.6	5522.0	5388.5	5277.7	4330.3
45°	6226.5	6296.2	6203.7	6035.7	5911.7	5895.5	6092.2	5831.7	5731.2	5629.9	4631.2
47.5°	5908.7	6026.9	5988.7	5965.2	5947.6	6017.3	6328.5	6160.4	6119.3	6031.3	4974.6
50°	5267.4	5491.2	5558.0	5706.2	5876.5	6112.0	6543.5	6519.3	6572.8	6484.1	5392.9
52.5°	4158.6	4466.8	4854.2	5225.5	5657.8	6080.5	6779.8	7034.4	7260.4	7212.0	6057.7
55°	3432.8	3571.5	3869.4	4550.4	5233.6	5947.6	6886.2	7450.5	7942.9	7899.6	6561.8
57.5°	2875.1	2999.1	3182.6	3751.3	4592.3	5646.0	6952.2	7704.4	8410.3	8405.9	7059.4
60°	2277.1	2408.4	2596.3	2999.1	3843.0	5125.0	6937.6	7993.5	9006.9	9043.6	7666.2
62.5°	1601.9	1746.5	1954.9	2330.6	3077.7	4449.9	6638.2	8202.7	9709.2	9809.0	8396.4
65°	1053.0	1148.4	1305.5	1629.8	2293.2	3581.8	6066.5	8229.8	10460.6	10629.4	9081.8
67.5°	738.2	774.9	867.4	1043.5	1511.7	2746.7	5155.8	7948.8	10961.8	11151.9	9379.0
70°	576.1	594.4	641.4	711.8	949.6	1847.0	3950.9	7217.9	10854.7	11052.8	9068.6
72.5°	497.5	515.1	532.8	541.6	637.0	1140.4	2676.3	6035.0	9845.7	9980.0	7884.9
75°	451.3	455.7	470.4	467.4	485.8	739.7	1544.7	4397.1	7768.2	7722.0	5820.7
77.5°	379.4	385.3	409.5	405.8	431.5	505.6	802.1	2837.7	5036.2	4722.1	3239.8
80°	321.4	324.3	350.8	346.4	375.0	366.2	409.5	1446.4	2136.2	1809.6	934.2
82.5°	111.5	138.0	267.8	275.9	286.2	221.6	236.3	590.0	652.4	499.7	195.9
85°	54.3	58.0	136.5	193.7	193.0	111.5	115.2	210.6	205.5	161.4	65.3
87.5°	8.8	11.0	16.1	75.6	60.2	29.4	39.6	41.1	42.6	36.7	14.7
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°	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0	1668.0
2.5°	1686.3	1649.6	1572.6	1501.4	1445.6	1392.1	1362.0	1336.3	1321.6	1318.7	1318.7
5°	1731.8	1656.2	1516.1	1397.9	1320.9	1263.6	1233.6	1214.5	1204.9	1199.1	1198.3
7.5°	1797.1	1686.3	1486.7	1352.4	1271.7	1230.6	1215.2	1212.3	1211.5	1212.3	1214.5
10°	1887.4	1735.5	1483.8	1341.4	1273.9	1251.2	1250.4	1251.2	1254.1	1254.8	1255.6
12.5°	1985.0	1786.1	1495.5	1351.0	1301.8	1289.3	1287.1	1286.4	1288.6	1290.1	1290.8
15°	2091.4	1852.9	1515.3	1371.5	1332.6	1319.4	1317.2	1312.8	1312.1	1311.3	1310.6
17.5°	2200.7	1918.9	1537.4	1393.5	1352.4	1334.1	1326.0	1315.7	1307.7	1305.5	1307.7
20°	2311.5	1984.3	1552.8	1404.5	1353.9	1328.2	1312.1	1294.5	1280.5	1272.4	1275.4
22.5°	2429.7	2052.5	1562.3	1401.6	1340.7	1305.5	1276.1	1255.6	1234.3	1220.3	1221.1
25°	2544.9	2111.9	1561.6	1386.2	1315.0	1270.2	1232.8	1206.4	1177.1	1162.4	1162.4
27.5°	2655.7	2165.5	1543.2	1359.0	1278.3	1228.4	1183.7	1152.1	1123.5	1109.5	1108.8
30°	2770.2	2210.3	1514.6	1319.4	1235.0	1180.0	1130.8	1103.7	1078.0	1064.8	1064.0
32.5°	2883.9	2251.4	1474.2	1270.2	1185.1	1132.3	1083.9	1058.9	1043.5	1043.5	1044.2
35°	3004.3	2280.0	1420.7	1213.0	1132.3	1081.7	1043.5	1028.8	1027.4	1018.5	1016.3
37.5°	3131.2	2298.3	1355.4	1154.3	1080.2	1032.5	1020.7	1003.1	988.5	969.4	966.4
40°	3264.8	2316.7	1276.9	1093.4	1025.1	998.7	993.6	970.1	928.3	881.3	874.7
42.5°	3427.0	2329.2	1195.4	1032.5	967.2	958.4	965.7	925.4	858.6	823.3	824.1
45°	3614.8	2349.7	1120.5	972.3	907.7	907.7	938.6	885.7	830.7	808.7	812.3
47.5°	3858.4	2397.4	1050.8	906.3	852.7	867.4	878.4	838.0	807.2	780.1	779.3
50°	4210.7	2511.9	978.9	839.5	810.9	840.2	824.8	801.3	765.4	743.4	741.2
52.5°	4648.0	2579.4	915.1	779.3	774.9	804.3	782.3	760.2	733.1	703.7	697.9
55°	4946.0	2591.9	861.5	735.3	750.7	747.8	739.7	719.9	705.2	666.3	667.0
57.5°	5279.1	2616.8	817.5	708.9	735.3	703.0	700.1	683.2	664.1	637.7	628.9
60°	5677.6	2655.7	779.3	698.6	722.1	673.6	659.0	652.4	633.3	620.1	623.7
62.5°	6112.0	2690.9	740.4	700.1	706.7	645.0	623.0	620.8	609.1	604.7	604.7
65°	6408.5	2594.8	692.0	698.6	682.5	615.7	587.8	587.1	577.5	576.1	575.3
67.5°	6305.0	2290.3	626.7	678.1	657.5	586.3	555.5	552.6	540.1	540.8	540.8
70°	5786.9	1855.8	536.4	627.4	626.7	559.9	521.7	512.2	495.3	498.3	501.2
72.5°	4815.3	1375.2	415.3	543.0	577.5	535.7	482.9	467.4	446.2	449.1	448.4
75°	3477.6	934.9	302.3	413.1	502.7	507.1	444.7	418.3	392.6	397.0	398.5
77.5°	1779.5	529.8	222.3	284.7	394.8	460.8	410.2	375.0	369.1	410.2	404.3
80°	580.5	265.6	154.1	199.6	259.0	377.2	359.6	319.2	317.7	327.3	281.1
82.5°	173.2	112.3	99.1	131.4	143.1	289.1	310.4	241.4	207.7	218.7	226.0
85°	59.4	54.3	56.5	65.3	68.2	169.5	217.2	160.0	151.2	166.6	164.4
87.5°	13.9	19.1	16.1	14.7	14.7	41.1	84.4	66.8	92.5	61.6	59.4
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)