

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: P939565

Luminaire Tested: **GALN-SB2B-722-U-T2**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P939565
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB2B-722-U-T2
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(2) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9217 lumens
Efficiency: N/A
Efficacy: 124.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 73.9
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



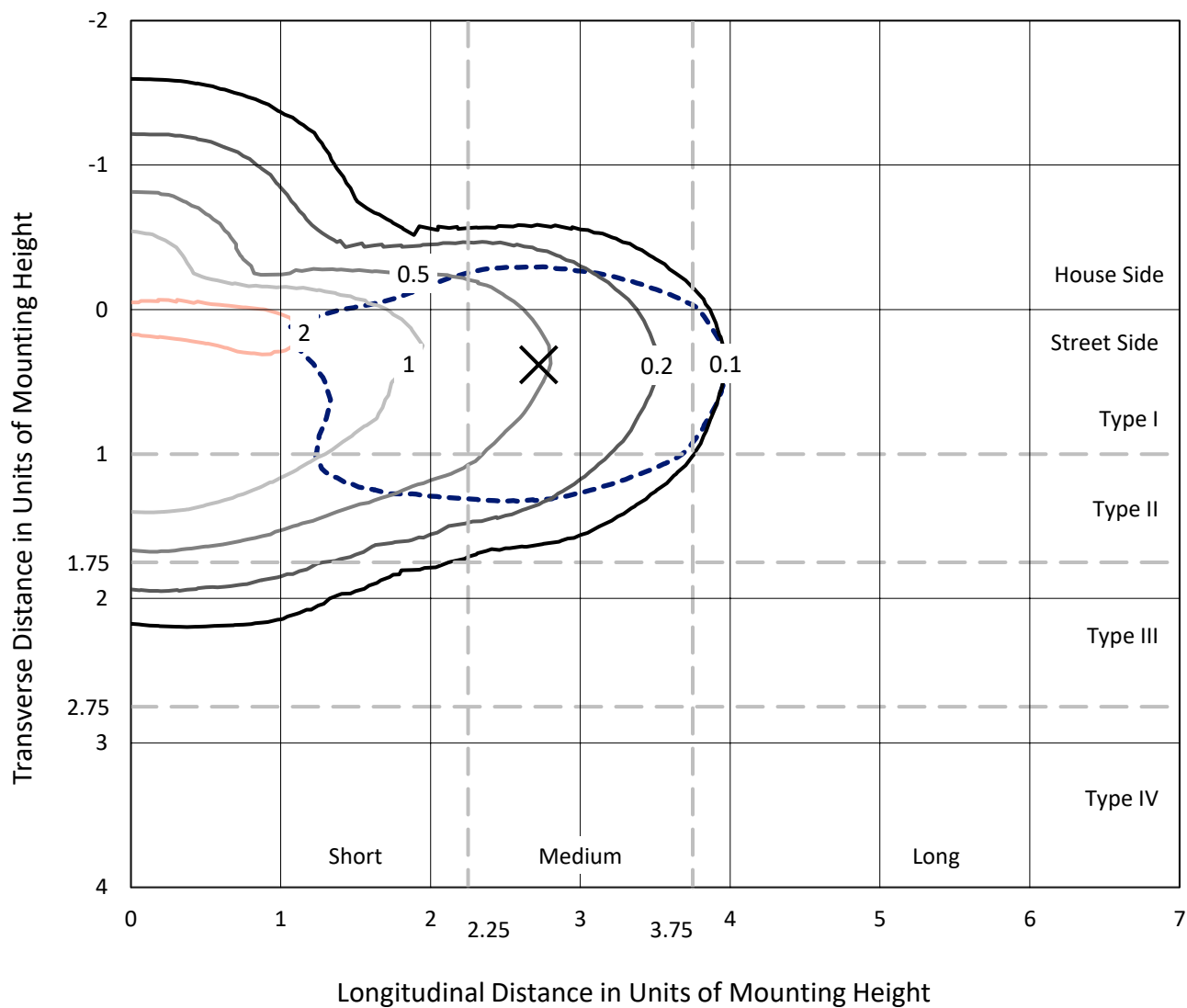
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

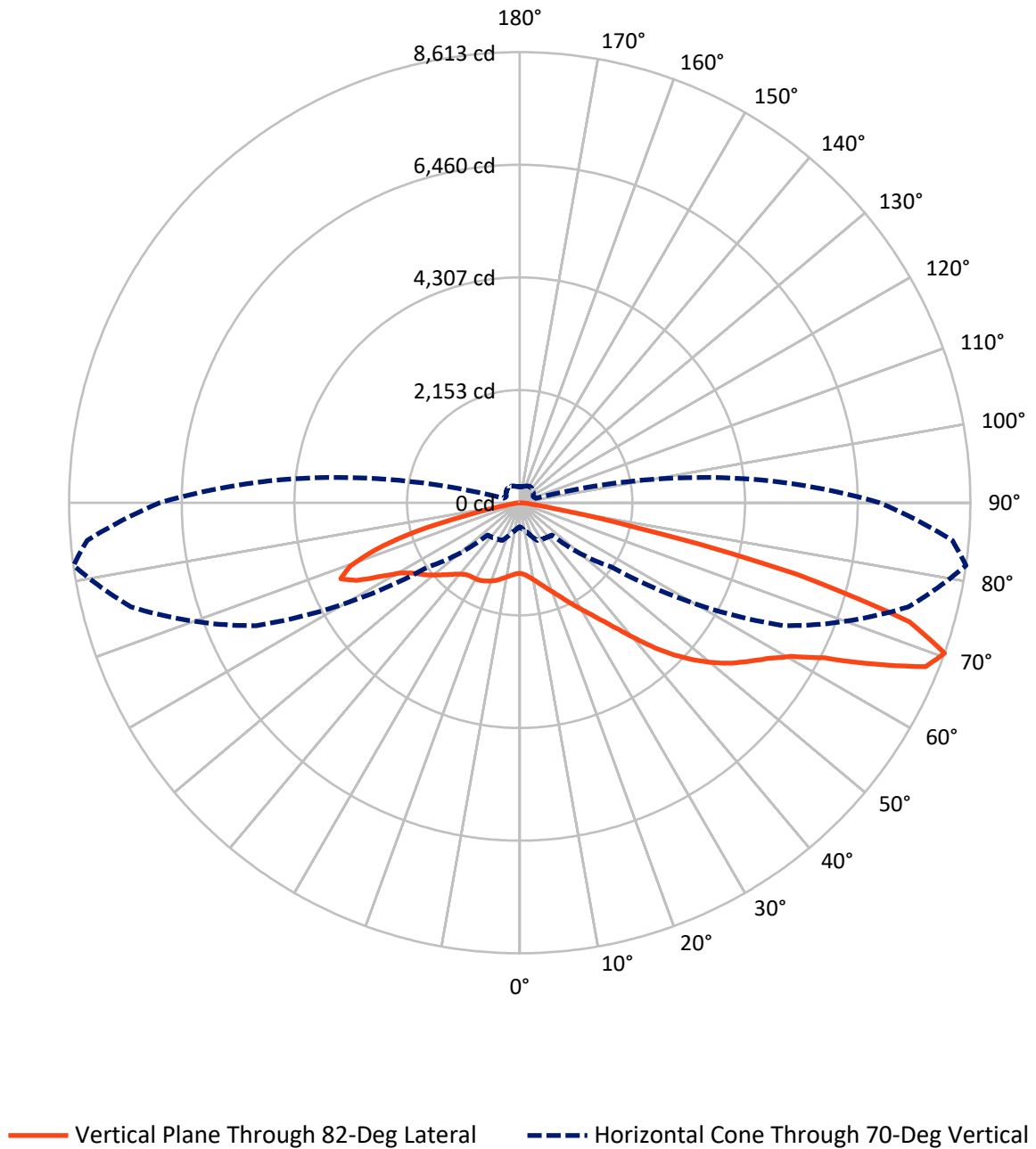


Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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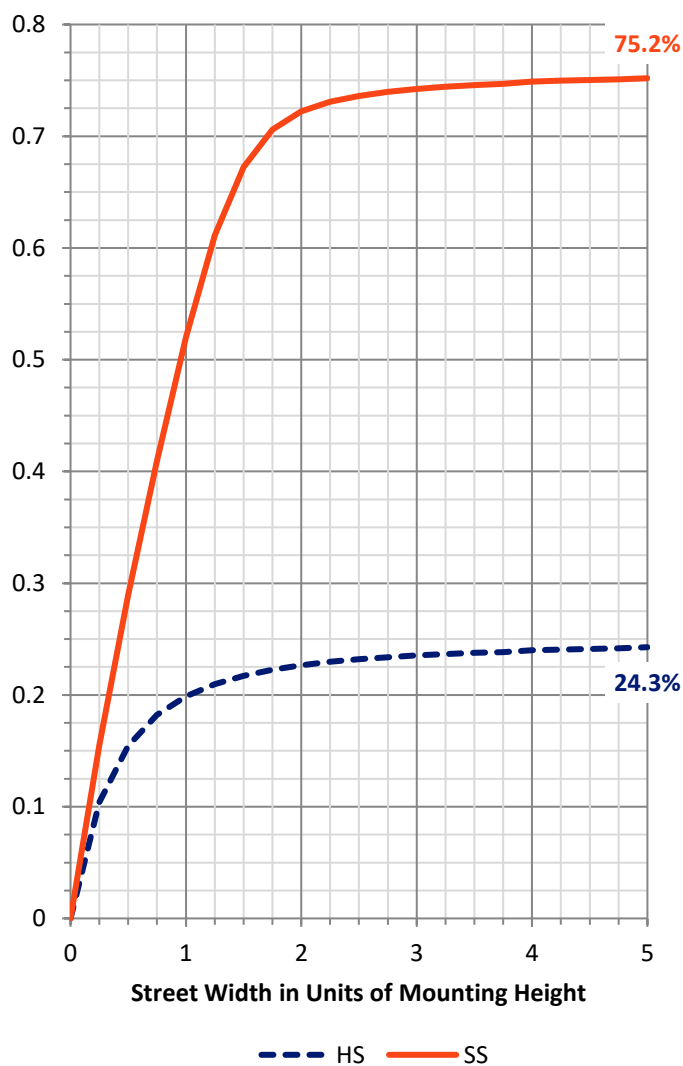
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2272.2	0.0	2272.2
	% Fixture	24.7	0.0	24.7
Street Side	Lumens	6944.8	0.0	6944.8
	% Fixture	75.3	0.0	75.3
Total	Lumens	9217.0	0.0	9217.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.6	1.4
10°-20°	366.6	4.0
20°-30°	613.2	6.7
30°-40°	958.0	10.4
40°-50°	1525.8	16.6
50°-60°	2123.3	23.0
60°-70°	2221.1	24.1
70°-80°	1160.9	12.6
80°-90°	120.5	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°	9217.0	100.0
0°-180°	9217.0	100.0

Coefficient of Utilization



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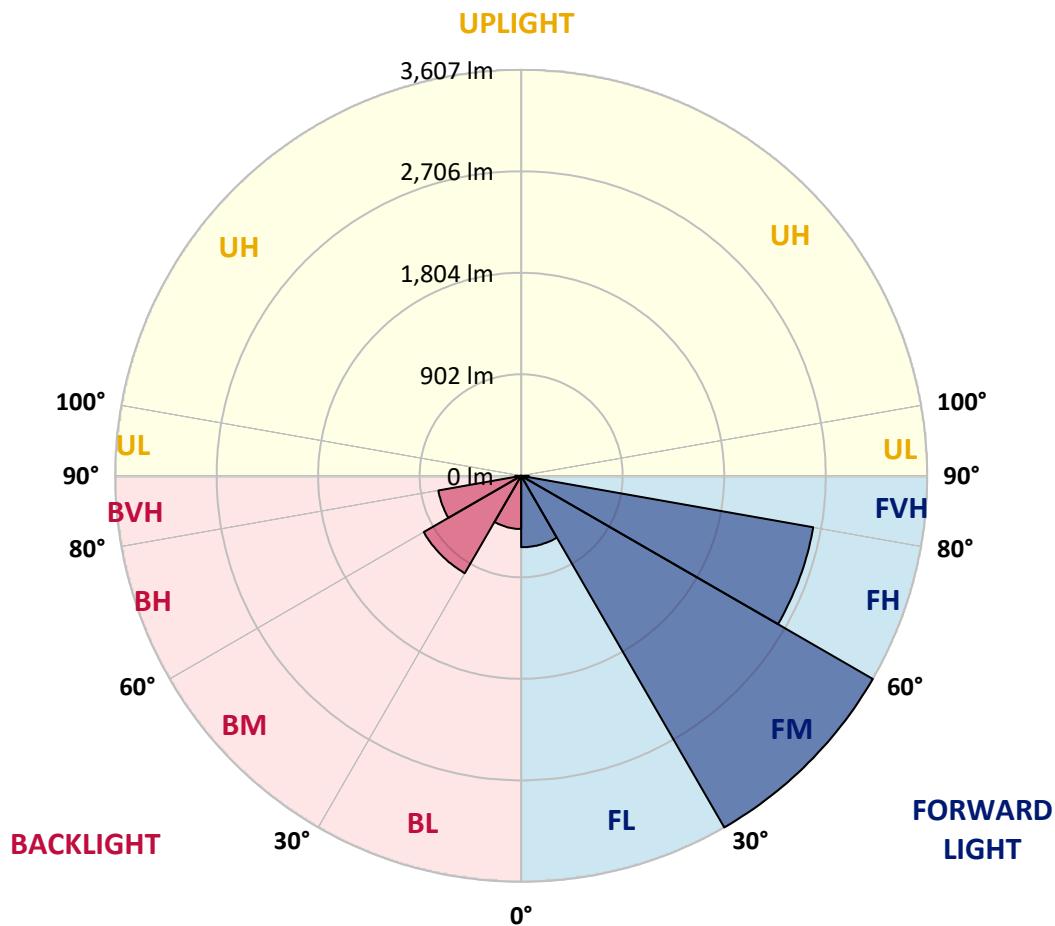
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	634.7	6.9			
FM	(30°-60°)	3607.4	39.1			
FH	(60°-80°)	2635.2	28.6			G2/5000
FVH	(80°-90°)	67.5	0.7			G1/100
BL	(0°-30°)	472.7	5.1	B1/500		
BM	(30°-60°)	999.7	10.8	B1/1000		
BH	(60°-80°)	746.8	8.1	B2/1000		G2/1000
BVH	(80°-90°)	53.1	0.6			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°	82°	85°
0°	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3
2.5°	1383.6	1391.4	1389.0	1386.5	1386.5	1383.1	1382.6	1377.7	1373.8	1367.5	1366.0
5°	1401.2	1409.5	1408.5	1410.5	1416.9	1418.3	1419.8	1416.9	1409.0	1401.2	1397.8
7.5°	1385.6	1394.9	1397.8	1409.5	1429.1	1446.7	1459.9	1465.3	1457.9	1446.7	1441.3
10°	1332.7	1343.0	1353.3	1381.2	1415.9	1457.5	1492.7	1513.7	1512.2	1501.5	1492.2
12.5°	1225.6	1236.4	1258.4	1312.7	1376.3	1449.6	1515.2	1559.2	1574.3	1566.5	1550.4
15°	1140.0	1149.3	1166.0	1221.7	1304.4	1415.9	1523.5	1609.1	1647.7	1643.3	1623.7
17.5°	1137.6	1141.5	1151.8	1178.2	1241.8	1363.1	1514.7	1658.0	1731.8	1731.3	1706.9
20°	1180.6	1182.1	1188.0	1193.4	1229.5	1323.0	1492.2	1698.6	1826.2	1826.2	1799.8
22.5°	1240.3	1239.3	1245.2	1240.3	1257.9	1319.5	1478.0	1734.3	1931.4	1939.2	1905.9
25°	1329.8	1324.9	1323.4	1312.2	1315.6	1351.3	1493.6	1774.9	2056.1	2072.2	2030.7
27.5°	1449.1	1441.3	1435.9	1410.0	1401.2	1416.9	1541.6	1823.8	2195.0	2222.9	2170.0
30°	1604.7	1590.5	1582.7	1537.7	1505.9	1508.3	1614.0	1888.8	2340.2	2385.2	2318.2
32.5°	1816.9	1794.9	1773.9	1700.0	1641.8	1622.8	1707.4	1978.8	2497.7	2569.6	2483.5
35°	2054.6	2037.0	2014.5	1900.6	1811.1	1767.0	1833.6	2104.5	2682.1	2796.1	2684.1
37.5°	2283.5	2268.4	2279.1	2125.5	2010.1	1946.0	1998.9	2273.2	2909.5	3077.8	2935.5
40°	2520.2	2508.5	2510.0	2363.2	2228.7	2156.8	2199.4	2485.0	3170.2	3412.8	3237.7
42.5°	2777.5	2768.7	2739.3	2609.2	2458.1	2391.1	2430.2	2729.6	3450.0	3794.3	3569.3
45°	3065.6	3060.2	3032.8	2883.6	2710.5	2635.2	2688.0	2999.5	3731.2	4153.3	3902.4
47.5°	3314.5	3318.9	3315.5	3189.8	3010.3	2899.8	2962.8	3281.2	3992.8	4490.7	4221.7
50°	3434.3	3457.3	3491.1	3451.9	3340.4	3227.9	3240.2	3553.2	4242.3	4807.2	4527.9
52.5°	3371.7	3415.2	3507.2	3569.8	3612.8	3589.4	3556.6	3823.1	4477.0	5092.8	4817.4
55°	3138.4	3199.6	3352.2	3503.3	3722.9	3893.6	3936.6	4122.5	4705.9	5344.2	5091.3
57.5°	2713.4	2812.7	2949.6	3255.3	3625.1	4040.8	4379.7	4537.7	4948.5	5612.7	5377.9
60°	1984.7	2117.7	2287.9	2742.8	3282.7	3962.0	4756.8	5175.4	5293.3	5960.4	5751.1
62.5°	1270.1	1352.3	1508.8	1937.2	2557.9	3558.5	4872.2	5972.6	5877.8	6530.7	6310.6
65°	869.6	922.4	1065.7	1306.3	1653.6	2648.9	4563.1	6570.3	6806.0	7434.5	7267.2
67.5°	631.9	672.0	794.3	1005.1	1077.4	1567.5	3540.9	6542.9	7708.4	8365.7	8105.5
70°	460.7	489.1	591.8	794.3	829.0	872.0	2145.1	5561.8	7688.8	8613.2	8301.6
72.5°	341.4	360.9	429.9	616.2	671.0	588.9	1061.8	4042.2	6607.0	7790.6	7540.6
75°	247.0	261.7	312.5	471.5	537.0	448.5	529.7	2362.3	4608.6	5480.1	5524.2
77.5°	188.8	200.0	233.3	345.3	429.9	336.5	328.7	1086.7	2185.2	2196.0	2319.2
80°	151.6	159.0	177.0	243.1	329.6	251.9	214.2	438.7	690.6	584.5	613.3
82.5°	111.5	123.7	149.7	170.7	235.7	173.6	130.6	221.6	262.6	226.0	227.9
85°	63.6	71.9	90.5	122.3	150.6	106.1	74.8	98.3	122.3	100.3	89.5
87.5°	22.5	29.3	31.8	47.9	65.5	44.0	28.9	28.4	40.1	29.8	24.9
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°	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3	1351.3
2.5°	1361.1	1358.7	1348.9	1335.7	1322.0	1308.8	1304.4	1295.1	1288.7	1285.3	1289.2
5°	1388.5	1380.7	1357.7	1328.3	1297.5	1264.3	1240.8	1219.3	1203.6	1189.0	1194.8
7.5°	1427.6	1413.9	1374.3	1323.0	1268.2	1212.9	1171.8	1140.5	1119.5	1105.8	1108.7
10°	1473.1	1452.1	1391.4	1314.6	1230.0	1150.8	1102.4	1075.5	1062.3	1054.9	1056.9
12.5°	1525.4	1495.6	1409.0	1295.6	1171.8	1081.4	1048.1	1040.3	1040.8	1041.3	1042.2
15°	1590.0	1548.4	1423.2	1254.0	1096.0	1028.0	1022.2	1034.9	1048.1	1054.5	1054.0
17.5°	1662.9	1604.2	1425.7	1185.5	1021.7	993.8	1012.4	1039.8	1059.8	1068.6	1070.6
20°	1741.1	1660.9	1408.1	1088.7	960.6	965.9	999.2	1034.4	1056.4	1067.7	1070.6
22.5°	1830.6	1721.6	1366.0	987.0	910.7	935.6	974.7	1009.0	1032.0	1043.2	1046.1
25°	1932.8	1789.5	1300.0	901.4	867.6	901.4	940.5	968.9	987.5	997.7	1000.7
27.5°	2046.3	1860.5	1211.9	833.4	830.0	866.2	898.4	920.4	930.2	938.1	941.0
30°	2160.3	1925.0	1105.3	782.0	797.2	831.4	854.4	864.2	867.1	868.6	872.0
32.5°	2283.5	1980.8	993.3	739.5	765.9	797.7	811.4	815.8	802.1	792.8	795.7
35°	2432.7	2040.4	883.8	705.7	735.1	762.5	766.9	763.0	746.8	727.8	728.7
37.5°	2617.1	2114.8	796.2	681.8	706.2	724.3	718.9	718.0	719.4	696.9	698.4
40°	2843.0	2211.6	732.2	663.2	682.8	686.7	671.5	679.8	687.2	652.9	653.9
42.5°	3093.9	2328.5	691.6	650.5	663.2	653.9	630.4	639.7	638.7	593.7	593.3
45°	3349.7	2455.7	677.4	641.2	645.1	626.5	600.6	603.0	582.5	541.9	543.4
47.5°	3604.0	2592.1	686.2	633.4	622.6	601.6	581.5	570.8	540.4	510.1	510.1
50°	3853.5	2735.4	718.5	617.7	591.8	579.6	564.9	545.8	513.5	487.6	485.7
52.5°	4084.8	2879.7	754.7	591.8	553.1	560.5	551.2	529.2	497.4	471.0	471.5
55°	4303.9	3024.0	768.8	556.1	517.0	543.9	538.5	497.9	459.7	438.2	436.3
57.5°	4542.6	3197.6	753.2	510.6	487.6	524.8	504.2	459.2	437.2	421.1	419.6
60°	4873.2	3470.0	719.4	454.4	459.7	496.4	461.2	442.6	418.7	400.6	399.6
62.5°	5422.4	3978.2	665.1	398.6	427.0	454.4	440.7	422.1	397.6	380.0	380.0
65°	6234.3	4684.4	562.9	355.1	390.3	413.3	418.7	400.1	374.6	356.1	357.0
67.5°	6919.0	5127.5	426.0	318.9	352.6	380.0	395.2	377.1	350.2	332.1	332.6
70°	6881.4	4805.7	325.2	283.2	319.4	347.2	366.8	352.6	323.8	306.7	308.1
72.5°	6112.0	4020.2	263.1	247.0	285.6	313.0	336.5	325.7	296.4	279.8	279.8
75°	4490.2	2853.8	210.3	210.3	243.6	277.3	303.2	296.4	269.5	257.7	254.3
77.5°	1892.7	1197.3	164.8	174.6	202.5	238.2	270.5	272.9	249.4	264.1	239.6
80°	503.3	330.1	125.7	137.4	159.0	196.6	235.2	234.3	208.8	195.1	181.4
82.5°	191.7	130.1	89.5	96.8	114.9	150.6	186.3	192.2	166.8	144.3	144.3
85°	73.9	55.8	55.3	58.2	67.0	99.8	140.9	145.7	125.7	106.6	110.0
87.5°	19.1	16.6	20.5	19.6	30.8	53.3	80.7	83.6	76.8	44.5	63.6
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)